79258 The Little Data Book (

Information and Communication
Technology

Economic and social context

Structure

Efficiency and capacity

Performance

Access

Usage

Quality

Affordability

Trade

Applications





2013 | THE LITTLE DATA BOOK ON INFORMATION AND COMMUNICATION TECHNOLOGY





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Contents

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Preface

Since the late 1990s access to information and communication technologies (ICTs) has seen tremendous growth—driven primarily by the wireless technologies and liberalization of telecommunications markets. Mobile communications have evolved from simple voice and text services to diversified innovative applications and mobile broadband Internet. By the end of 2013, there will be an estimated 6.8 billion mobile-cellular subscriptions globally. The number of individuals using the Internet has risen constantly and will reach an estimated 2.7 billion while the number of fixed (wired)-broadband subscriptions will reach almost 700 million at the end of 2013.

The impacts of ICTs cross all sectors. Research has shown that investment in information and communication technologies is associated with such economic benefits as higher productivity, lower costs, new economic opportunities, job creation, innovation, and increased trade. ICTs also help provide better services in health and education, and strengthen social cohesion.

The Little Data Book on Information and Communication Technology 2013 illustrates the progress of this revolution for 214 economies around the world. It provides comparable statistics on the sector for 2005 and 2011 across a range of indicators, enabling readers to readily compare economies.

This book includes indicators covering the economic and social context, the structure of the information and communication technology sector, sector efficiency and capacity, and sector performance related to access, usage, quality, affordability, trade, and applications. The glossary contains definitions of the terms used in the tables.

For more information and other World Bank data publications, visit our data Web site at data.worldbank.org or the Web site of the Information and Communication Technologies Department at www.worldbank.org/ict.

For more statistics on information and communication technology infrastructure, access and usage, as well as analytical reports such as the annual *Measuring the Information Society* report, visit ITU's Web site at www.itu.int/en/ITU-D/Statistics/Pages/default.aspx and the ITU ICT Eye at www.itu.int/icteye.

Data notes

The data in this book are for 2005 and 2011 or the most recent year unless otherwise noted in the table or the glossary.

- Growth rates are proportional changes from the previous year unless otherwise noted.
- Regional aggregates include data for low- and middle-income economies only.
- · Italics indicate data for years or periods other than those specified.

Symbols used:

- indicates that data are not available or that aggregates cannot be calculated because of missing data.
- 0 or 0.0 indicates zero or small enough that the number would round to zero at the displayed number of decimal places.
 - \$ indicates current U.S. dollars.

Lettered notes on some country tables can be found in the notes on page 232.

Data are shown for economies with populations greater than 30,000 or for smaller economies if they are members of the World Bank or the ITU. The term *country* (used interchangeably with *economy*) does not imply political independence or official recognition by the World Bank or the ITU but refers to any economy for which the authorities report separate social or economic statistics.

Regional tables

The country composition of regions is based on the World Bank's analytical regions and may differ from common geographic usage. These regions include low- and middle-income economies only.

East Asia and Pacific

American Samoa, Cambodia, China, Fiji, Indonesia, Kiribati, Democratic People's Republic of Korea, Lao People's Democratic Republic, Malaysia, Marshall Islands, Federated States of Micronesia, Mongolia, Myanmar, Palau, Papua New Guinea, the Philippines, Samoa, Solomon Islands, Thailand, Timor-Leste, Tonga, Tuvalu, Vanuatu, Vietnam

Europe and Central Asia

Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Georgia, Kazakhstan, Kosovo, Kyrgyz Republic, Latvia, Lithuania, Former Yugoslav Republic of Macedonia, Moldova, Montenegro, Romania, Russian Federation, Serbia, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan

Latin America and the Caribbean

Antigua and Barbuda, Argentina, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Grenada, Guatemala, Guyana, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, St. Lucia, St. Vincent and the Grenadines, Suriname, Uruguay, República Bolivariana de Venezuela

Middle East and North Africa

Algeria, Djibouti, Arab Republic of Egypt, Islamic Republic of Iran, Iraq, Jordan, Lebanon, Libya, Morocco, Syrian Arab Republic, Tunisia, West Bank and Gaza, Republic of Yemen

South Asia

Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka

Sub-Saharan Africa

Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Chad, Comoros, Democratic Republic of Congo, Republic of Congo, Côte d'Ivoire, Eritrea, Ethiopia, Gabon, The Gambia, Ghana, Guinea, Guinea-Bissau, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mauritania, Mauritius, Mozambique, Namibia, Niger, Nigeria, Rwanda, São Tomé and Príncipe, Senegal, Seychelles, Sierra Leone, Somalia, South Africa, South Sudan, Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia, Zimbabwe

World

	2005	2011
Economic and social context		
Population (millions)	6,503	6,974
Urban population (% of total)	49	52
GNI per capita, World Bank Atlas method (\$)	7,110	,
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.8	2.0
Adult literacy rate (% ages 15 and older)	82	
Gross primary, secondary, tertiary school enrollment (%)	67	70
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly) International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Scator officionay and canacity		
Sector efficiency and capacity Telecommunications revenue (% of GDP)	3.1	2.6
Telecommunications investment (% of revenue)	18.9	2.0
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	19.5	
Mobile-cellular telephone subscriptions (per 100 people)	33.9	
Fixed (wired)-broadband subscriptions (per 100 people)	3.45	
Households with a computer (%)		37.9
Households with Internet access at home (%)		32.8
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		7.1
Domestic mobile traffic (minutes/subscription/month)		
Individuals using the Internet (%) Quality	15.8	32.7
Population covered by a mobile-cellular network (%)	67	93
Fixed (wired)-broadband subscriptions (% of total Internet)	49.6	86.2
International Internet bandwidth (bit/s per Internet user)	4.859	33,503
Affordability	,	, , , , , ,
Fixed-telephone sub-basket (\$ a month)		11.3
Mobile-cellular sub-basket (\$ a month)		14.7
Fixed-broadband sub-basket (\$ a month)		24.3
Trade		
ICT goods exports (% of total goods exports)	13.8	10.1
ICT goods imports (% of total goods imports)	14.0	11.4
ICT service exports (% of total service exports)	28.7	31.1
Applications		
Online service index (0-1, 1=highest presence)	0.45	0.41
Secure Internet servers (per million people)	64.7	183.9

East Asia & Pacific

Economic and social context		
Population (millions)	1,893	1,974
Urban population (% of total)	42	49
GNI per capita, World Bank Atlas method (\$)	1,618	4,248
GDP growth, 2000-05 and 2005-11 (avg. annual %)	8.5	9.4
Adult literacy rate (% ages 15 and older)	91	94
Gross primary, secondary, tertiary school enrollment (%)	67	71

Sector structure

Separate telecommunications/ICT regulator

Status of main fixed-line operator

Level of competition (competition, partial comp., monopoly)

International gateway(s)

Mobile telephone service

Internet service

Foreign ownership (not allowed, restricted, allowed)

Reg. treatment of VoIP (banned, closed, no framework, allowed)

Sector efficiency and capacity Telecommunications revenue (% of GDP)	3.2	2.2
Telecommunications investment (% of revenue)		
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	21.0	17.8
Mobile-cellular telephone subscriptions (per 100 people)	28.3	80.9
Fixed (wired)-broadband subscriptions (per 100 people)	2.05	8.74
Households with a computer (%)		30.5
Households with Internet access at home (%)		20.4
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)	132	321
Individuals using the Internet (%)	8.3	33.5
Quality		
Population covered by a mobile-cellular network (%)	93	99
Fixed (wired)-broadband subscriptions (% of total Internet)	45.9	88.8
International Internet bandwidth (bit/s per Internet user)	980	4,571
Affordability		
Fixed-telephone sub-basket (\$ a month)		5.1
Mobile-cellular sub-basket (\$ a month)		8.1
Fixed-broadband sub-basket (\$ a month)		21.6
Trade		
ICT goods exports (% of total goods exports)	29.9	22.7
ICT goods imports (% of total goods imports)	25.8	17.3
ICT service exports (% of total service exports)	24.1	32.2
Applications		
Online service index (0-1, 1=highest presence)	0.29	0.22
Secure Internet servers (per million people)	0.8	4.2

Europe & Central Asia

	2005	2011
Economic and social context		
Population (millions)	399	408
Urban population (% of total)	63	65
GNI per capita, World Bank Atlas method (\$)	3,711	7,734
GDP growth, 2000–05 and 2005–11 (avg. annual %)	6.1	3.2
Adult literacy rate (% ages 15 and older)	97	98
Gross primary, secondary, tertiary school enrollment (%)	79	80
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly) International gateway(s)		
Mobile telephone service		
Internet service Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity	3.2	2.4
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	22.1	26.9
Castas masfassasas		
Sector performance Access		
Fixed-telephone subscriptions (per 100 people)	24.0	25.1
Mobile-cellular telephone subscriptions (per 100 people)	61.6	132.5
Fixed (wired)-broadband subscriptions (per 100 people)	1.10	10.42
Households with a computer (%)	27.8	44.9
Households with Internet access at home (%)	19.9	37.0
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)		113
Individuals using the Internet (%)	12.9	42.1
Quality		
Population covered by a mobile-cellular network (%)	91	
Fixed (wired)-broadband subscriptions (% of total Internet)	15.0	93.9
International Internet bandwidth (bit/s per Internet user) Affordability	1,409	35,793
Fixed-telephone sub-basket (\$ a month)		6.6
Mobile-cellular sub-basket (\$ a month)		10.2
Fixed-broadband sub-basket (\$ a month)		12.8
Trade		
ICT goods exports (% of total goods exports)	1.1	1.1
ICT goods imports (% of total goods imports)	6.0	
ICT service exports (% of total service exports)	12.9	20.1
Applications Online convice index (0.1.1-highest presence)	0.47	0.48
Online service index (0-1, 1=highest presence) Secure Internet servers (per million people)	5.5	48.0
secure interner servers (her minion heahie)	ე.ე	40.0

Latin America & Caribbean

Economic and social context		
Population (millions)	550	589
Urban population (% of total)	77	79
GNI per capita, World Bank Atlas method (\$)	4,427	8,574
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.6	3.9
Adult literacy rate (% ages 15 and older)	90	91
Gross primary, secondary, tertiary school enrollment (%)	81	83

Sector structure

Separate telecommunications/ICT regulator

Status of main fixed-line operator

Level of competition (competition, partial comp., monopoly)

International gateway(s)

Mobile telephone service

Internet service

Foreign ownership (not allowed, restricted, allowed)

Reg. treatment of VoIP (banned, closed, no framework, allowed)

Telecommunications revenue (% of GDP)	3.4	3.0
Telecommunications investment (% of revenue)		23.1
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	17.6	18.5
Mobile-cellular telephone subscriptions (per 100 people)	43.1	107.2
Fixed (wired)-broadband subscriptions (per 100 people)	1.50	7.66
Households with a computer (%)	16.4	37.9
Households with Internet access at home (%)	9.9	30.3
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)	43	94
Individuals using the Internet (%)	16.5	39.2
Quality		
Population covered by a mobile-cellular network (%)	90	98
Fixed (wired)-broadband subscriptions (% of total Internet)	55.0	85.3
International Internet bandwidth (bit/s per Internet user)	1,258	20,010
Affordability		
Fixed-telephone sub-basket (\$ a month)		7.0
Mobile-cellular sub-basket (\$ a month)		17.0
Fixed-broadband sub-basket (\$ a month)		19.5
Trade		
ICT goods exports (% of total goods exports)	9.6	8.8
ICT goods imports (% of total goods imports)	13.7	12.9
ICT service exports (% of total service exports)	22.8	32.4
Applications		
Online service index (0-1, 1=highest presence)	0.47	0.46
Secure Internet servers (per million people)	10.5	36.1

Middle East & North Africa

	2005	2011
Economic and social context		
Population (millions)	303	337
Urban population (% of total)	57	59
GNI per capita, World Bank Atlas method (\$)	2,197	3,866
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.1	4.8
Adult literacy rate (% ages 15 and older)	68	76
Gross primary, secondary, tertiary school enrollment (%)	69	72
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly) International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.2	3.4
Telecommunications investment (% of revenue)	23.6	16.5
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	14.3	16.2
Mobile-cellular telephone subscriptions (per 100 people)	22.2	88.9
Fixed (wired)-broadband subscriptions (per 100 people)	0.40	2.16
Households with a computer (%)		31.0
Households with Internet access at home (%)		23.5
Usage		
Int'l. voice traffic, total (minutes/subscription/month)	8.5	
Domestic mobile traffic (minutes/subscription/month)		
Individuals using the Internet (%)	8.6	26.9
Quality		
Population covered by a mobile-cellular network (%)	80	
Fixed (wired)-broadband subscriptions (% of total Internet)		
International Internet bandwidth (bit/s per Internet user)	638	5,187
Affordability		
Fixed-telephone sub-basket (\$ a month)		3.1
Mobile-cellular sub-basket (\$ a month)		12.5
Fixed-broadband sub-basket (\$ a month)		17.6
Trade		
ICT goods exports (% of total goods exports)	0.8	
ICT goods imports (% of total goods imports)	5.2	
ICT service exports (% of total service exports)	21.1	25.3
Applications		
Online service index (0–1, 1=highest presence)	0.35	
Secure Internet servers (per million people)	0.6	3.2

South Asia

Economic and social context		
Population (millions)	1,517	1,656
Urban population (% of total)	29	31
GNI per capita, World Bank Atlas method (\$)	692	1,313
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.4	7.3
Adult literacy rate (% ages 15 and older)	58	62
Gross primary, secondary, tertiary school enrollment (%)	57	61
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		

International gateway(s)

Mobile telephone service

Internet service

Foreign ownership (not allowed, restricted, allowed)

Reg. treatment of VoIP (banned, closed, no framework, allowed)

Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) CIT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications Online service index (0-1, 1=highest presence) O.31 O.3	Sector efficiency and capacity Telecommunications revenue (% of GDP)	2.4	2.4
Access Fixed-telephone subscriptions (per 100 people) 3.9 2 Mobile-cellular telephone subscriptions (per 100 people) 7.7 68 Fixed (wired)-broadband subscriptions (per 100 people) 7.8 68 Fixed (wired)-broadband subscriptions (per 100 people) 8. 5 Households with a computer (%) 8. 6 Households with Internet access at home (%) 8. 7 8. 8 8. 9 8. 11'I. voice traffic, total (minutes/subscription/month) 9. 10 10 10 10 10 10 10 10 10 10	Telecommunications investment (% of revenue)	=	25.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobil	Sector performance		
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications Online service index (0-1, 1=highest presence) O.31 O.3	Access		
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) International sub-basket (\$ a month) Interde ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications Online service index (0-1, 1=highest presence) 0.31 0.31	Fixed-telephone subscriptions (per 100 people)	3.9	2.7
Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) Applications Online service index (0-1, 1=highest presence) 0.31 0.53	Mobile-cellular telephone subscriptions (per 100 people)	7.7	68.8
Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) Applications Online service index (0-1, 1=highest presence) 0.31 0.33	Fixed (wired)-broadband subscriptions (per 100 people)	0.09	0.93
Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Domestic mobile cellular network (%) Domestic mobile cellular network (%) Domestic mobile cellular network (%) Domestic mobile cellular sub-basket (\$ a month) Domestic mobi	Households with a computer (%)		5.9
Int'l. voice traffic, total (minutes/subscription/month) 5.3 6 Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) CIT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) CIT service exports (% of total service exports) Applications Online service index (0-1, 1=highest presence) 3 6 7 8 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	Households with Internet access at home (%)		4.1
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) International sub-basket (\$ a month) Internati	Usage		
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) International sub-bask	Int'l. voice traffic, total (minutes/subscription/month)	5.3	6.0
Quality Population covered by a mobile-cellular network (%) 37 Fixed (wired)-broadband subscriptions (% of total Internet) 14.9 International Internet bandwidth (bit/s per Internet user) 555 Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) 0.9 ICT goods imports (% of total goods imports) 7.4 ICT service exports (% of total service exports) 61.6 Applications Online service index (0-1, 1=highest presence) 0.31	Domestic mobile traffic (minutes/subscription/month)		
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT goods exports (% of total service exports) Applications Online service index (0-1, 1=highest presence) 37 38 38 39 30 30 30 30 30 30 30 30 30	Individuals using the Internet (%)	2.5	9.4
Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports) Applications Online service index (0-1, 1=highest presence) 14.9 55 6,13 3 6,13 3 6,13 6,	Quality		
International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports) Applications Online service index (0-1, 1=highest presence) 555 6,13 361 361 361 361 362 363 363 3	Population covered by a mobile-cellular network (%)	37	85
Affordability Fixed-telephone sub-basket (\$ a month) 3 Mobile-cellular sub-basket (\$ a month) 8 Fixed-broadband sub-basket (\$ a month) 8 Trade ICT goods exports (% of total goods exports) 0.9 1 ICT goods imports (% of total goods imports) 7.4 5 ICT service exports (% of total service exports) 61.6 58 Applications Online service index (0-1, 1=highest presence) 0.31 0.3	Fixed (wired)-broadband subscriptions (% of total Internet)	14.9	55.1
Fixed-telephone sub-basket (\$ a month) 3 Mobile-cellular sub-basket (\$ a month) 3 Fixed-broadband sub-basket (\$ a month) 8 Trade ICT goods exports (% of total goods exports) 0.9 1 ICT goods imports (% of total goods imports) 7.4 5 ICT service exports (% of total service exports) 61.6 58 Applications Online service index (0-1, 1=highest presence) 0.31 0.3	International Internet bandwidth (bit/s per Internet user)	555	6,132
Mobile-cellular sub-basket (\$ a month) 3 Fixed-broadband sub-basket (\$ a month) 8 Trade ICT goods exports (% of total goods exports) 0.9 1 ICT goods imports (% of total goods imports) 7.4 5 ICT service exports (% of total service exports) 61.6 58 Applications Online service index (0-1, 1=highest presence) 0.31 0.3	Affordability		
Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports) Applications Online service index (0-1, 1=highest presence) 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Fixed-telephone sub-basket (\$ a month)		3.4
Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports) Applications Online service index (0-1, 1=highest presence) O.31 O.31 O.31	Mobile-cellular sub-basket (\$ a month)		3.2
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports) Applications Online service index (0-1, 1=highest presence) 0.31 0.33	Fixed-broadband sub-basket (\$ a month)		8.3
ICT goods imports (% of total goods imports) 7.4 ICT goods imports (% of total goods imports) 7.4 58 Applications Online service index (0-1, 1=highest presence) 7.4 58 0.31 0.31 0.31	Trade		
ICT service exports (% of total service exports) 61.6 58 Applications Online service index (0-1, 1=highest presence) 0.31 0.3	ICT goods exports (% of total goods exports)	0.9	1.7
Applications Online service index (0-1, 1=highest presence) 0.31 0.	ICT goods imports (% of total goods imports)	7.4	5.3
Online service index (0-1, 1=highest presence) 0.31 0.31	ICT service exports (% of total service exports)	61.6	58.9
, S,	Applications		
Secure Internet servers (per million people) 0.5 2	Online service index (0-1, 1=highest presence)	0.31	0.36
	Secure Internet servers (per million people)	0.5	2.5

Sub-Saharan Africa

	2005	2011
Economic and social context		
Population (millions)	754	875
Urban population (% of total)	34	36
GNI per capita, World Bank Atlas method (\$)	767	1,258
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.4	4.7
Adult literacy rate (% ages 15 and older)	57	63
Gross primary, secondary, tertiary school enrollment (%)	51	57
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly) International gateway(s)		
Mobile telephone service Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	4.7	4.2
Telecommunications investment (% of revenue)		
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	1.5	1.4
Mobile-cellular telephone subscriptions (per 100 people)	12.0	53.3
Fixed (wired)-broadband subscriptions (per 100 people)	0.03	0.21
Households with a computer (%)		6.2
Households with Internet access at home (%)		
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		5.1
Domestic mobile traffic (minutes/subscription/month)		317
Individuals using the Internet (%) Quality	2.3	12.7
Population covered by a mobile-cellular network (%)	51	
Fixed (wired)-broadband subscriptions (% of total Internet)		26.1
International Internet bandwidth (bit/s per Internet user)	216	3,299
Affordability	210	0,200
Fixed-telephone sub-basket (\$ a month)		11.4
Mobile-cellular sub-basket (\$ a month)		15.1
Fixed-broadband sub-basket (\$ a month)		48.5
Trade		
ICT goods exports (% of total goods exports)	0.7	0.4
ICT goods imports (% of total goods imports)	7.6	5.9
ICT service exports (% of total service exports)	12.5	13.1
Applications		
Online service index (0-1, 1=highest presence)	0.25	0.27
Secure Internet servers (per million people)	2.1	5.9
W L Y		

Income group tables

For operational and analytical purposes the World Bank's main criterion for classifying economies is gross national income (GNI) per capita. Every economy in *The Little Data Book on Information and Communication Technology* is classified as low income, middle income, or high income. Low- and middle-income economies are sometimes referred to as developing economies. The use of the term is convenient; it is not intended to imply that all economies in the group are experiencing similar development or that other economies have reached a preferred or final stage of development. Classification by income does not necessarily reflect development status. Note: Classifications are fixed during the World Bank's fiscal year (ending on June 30), thus countries remain in the categories in which they are classified irrespective of any revisions to their per capita income data.

Low-income economies are those with a GNI per capita of \$1,025 or less in 2011.

Middle-income economies are those with a GNI per capita of more than \$1,025 but less than \$12,476. Lower-middle-income and upper-middle-income economies are separated at a GNI per capita of \$4,035.

High-income economies are those with a GNI per capita of \$12,476 or more.

Euro area includes the member states of the Economic and Monetary Union of the European Union that have adopted the euro as their currency: Austria, Belgium, Cyprus, Estonia, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Malta, the Netherlands, Portugal, Slovak Republic, Slovenia, and Spain.

Low income

	2005	2011
Economic and social context		
Population (millions)	721	817
Urban population (% of total)	26	28
GNI per capita, World Bank Atlas method (\$)	342	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.7	5.8
Adult literacy rate (% ages 15 and older)	58	63
Gross primary, secondary, tertiary school enrollment (%)	51	58
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	2.5	
Telecommunications investment (% of revenue)		
Sector performance		
Access	0.0	
Fixed-telephone subscriptions (per 100 people)	0.9	1.1
Mobile-cellular telephone subscriptions (per 100 people)	4.7	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.12
Households with a computer (%)		
Households with Internet access at home (%)		
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)		86
Individuals using the Internet (%) Quality	1.1	6.0
Population covered by a mobile-cellular network (%)	51	
Fixed (wired)-broadband subscriptions (% of total Internet)	4.5	24.5
International Internet bandwidth (bit/s per Internet user)	177	2,941
Affordability		
Fixed-telephone sub-basket (\$ a month)		9.6
Mobile-cellular sub-basket (\$ a month)		11.9
Fixed-broadband sub-basket (\$ a month)		42.8
Trade		
ICT goods exports (% of total goods exports)	0.2	
ICT goods imports (% of total goods imports)	4.8	
ICT service exports (% of total service exports)	14.9	18.6
Applications		
Online service index (0-1, 1=highest presence)	0.21	0.20
Secure Internet servers (per million people)	0.1	0.8

Middle income

Economic and social context		
Population (millions)	4,695	5,022
Urban population (% of total)	46	50
GNI per capita, World Bank Atlas method (\$)	1,924	4,148
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.5	6.3
Adult literacy rate (% ages 15 and older)	80	83
Gross primary, secondary, tertiary school enrollment (%)	66	69

Separate telecommunications/ICT regulator

Status of main fixed-line operator

Level of competition (competition, partial comp., monopoly)

International gateway(s)

Mobile telephone service

Internet service

Foreign ownership (not allowed, restricted, allowed)

Reg. treatment of VoIP (banned, closed, no framework, allowed)

Sector efficiency and capacity Telecommunications revenue (% of GDP)	3.3	2.7
Telecommunications investment (% of revenue)		21.5
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	14.7	13.2
Mobile-cellular telephone subscriptions (per 100 people)	26.8	86.2
Fixed (wired)-broadband subscriptions (per 100 people)	1.17	5.62
Households with a computer (%)		26.0
Households with Internet access at home (%)		18.6
Usage		
Int'l. voice traffic, total (minutes/subscription/month)	3.9	4.0
Domestic mobile traffic (minutes/subscription/month)		
Individuals using the Internet (%)	8.0	27.1
Quality		
Population covered by a mobile-cellular network (%)	86	92
Fixed (wired)-broadband subscriptions (% of total Internet)	37.7	78.0
International Internet bandwidth (bit/s per Internet user)	1,017	11,211
Affordability		
Fixed-telephone sub-basket (\$ a month)		6.7
Mobile-cellular sub-basket (\$ a month)		13.0
Fixed-broadband sub-basket (\$ a month)		19.5
Trade		
ICT goods exports (% of total goods exports)	15.6	12.5
ICT goods imports (% of total goods imports)	16.1	12.3
ICT service exports (% of total service exports)	25.8	33.4
Applications		
Online service index (0-1, 1=highest presence)	0.43	0.37
Secure Internet servers (per million people)	2.5	11.6

Lower middle income

	2005	2011
Economic and social context	0.000	0.500
Population (millions)	2,308	2,533
Urban population (% of total)	36	1 770
GNI per capita, World Bank Atlas method (\$)	898	1,772
GDP growth, 2000–05 and 2005–11 (avg. annual %)	5.3	6.2 71
Adult literacy rate (% ages 15 and older)	68 60	63
Gross primary, secondary, tertiary school enrollment (%)	60	03
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.1	2.5
Telecommunications investment (% of revenue)		29.0
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	5.1	5.6
Mobile-cellular telephone subscriptions (per 100 people)	13.6	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.11	1.25
Households with a computer (%)		10.7
Households with Internet access at home (%)		7.7
Usage		
Int'l. voice traffic, total (minutes/subscription/month)	7.0	6.5
Domestic mobile traffic (minutes/subscription/month)		
Individuals using the Internet (%)	4.0	16.2
Quality		
Population covered by a mobile-cellular network (%)	50	86
Fixed (wired)-broadband subscriptions (% of total Internet)	10.8	58.8
International Internet bandwidth (bit/s per Internet user)	511	6,560
Affordability		
Fixed-telephone sub-basket (\$ a month)		5.1
Mobile-cellular sub-basket (\$ a month)		11.3
Fixed-broadband sub-basket (\$ a month)		21.6
Trade		
ICT goods exports (% of total goods exports)	11.0	5.7
ICT goods imports (% of total goods imports)	11.9	6.7
ICT service exports (% of total service exports)	36.2	43.4
Applications		
Online service index (0-1, 1=highest presence)	0.37	0.32
Secure Internet servers (per million people)	0.7	3.5

Upper middle income

Economic and social context		
Population (millions)	2,386	2,490
Urban population (% of total)	55	61
GNI per capita, World Bank Atlas method (\$)	2,916	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.5	6.3
Adult literacy rate (% ages 15 and older)	91	94
Gross primary, secondary, tertiary school enrollment (%)	73	75

Sector structure

Separate telecommunications/ICT regulator

Status of main fixed-line operator

Level of competition (competition, partial comp., monopoly)

International gateway(s)

Mobile telephone service

Internet service

Foreign ownership (not allowed, restricted, allowed)

Reg. treatment of VoIP (banned, closed, no framework, allowed)

Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.3	2.7
Telecommunications investment (% of revenue)	21.2	17.8
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	23.6	20.9
Mobile-cellular telephone subscriptions (per 100 people)	39.6	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	2.22	9.96
Households with a computer (%)		35.9
Households with Internet access at home (%)		25.5
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		2.6
Domestic mobile traffic (minutes/subscription/month)	97	145
Individuals using the Internet (%)	11.8	38.2
Quality		
Population covered by a mobile-cellular network (%)	94	98
Fixed (wired)-broadband subscriptions (% of total Internet)	43.0	84.6
International Internet bandwidth (bit/s per Internet user)	1,180	13,200
Affordability		
Fixed-telephone sub-basket (\$ a month)		10.0
Mobile-cellular sub-basket (\$ a month)		16.0
Fixed-broadband sub-basket (\$ a month)		18.2
Trade		
ICT goods exports (% of total goods exports)	16.6	13.9
ICT goods imports (% of total goods imports)	17.1	13.5
ICT service exports (% of total service exports)	21.0	28.3
Applications		
Online service index (0-1, 1=highest presence)	0.48	0.46
Secure Internet servers (per million people)	4.1	19.9

Low and middle income

	2005	0044
Francis and code control	2005	2011
Economic and social context	E 410	F 020
Population (millions)	5,416 43	5,839 47
Urban population (% of total)	1.714	3,652
GNI per capita, World Bank Atlas method (\$)	5.5	6.3
GDP growth, 2000–05 and 2005–11 (avg. annual %)	78	81
Adult literacy rate (% ages 15 and older)	64	67
Gross primary, secondary, tertiary school enrollment (%)	04	01
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	3.3	2.7
Telecommunications investment (% of revenue)		
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	12.9	11.5
Mobile-cellular telephone subscriptions (per 100 people)	23.9	80.0
Fixed (wired)-broadband subscriptions (per 100 people)	1.01	4.91
Households with a computer (%)		24.3
Households with Internet access at home (%)		17.9
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		4.3
Domestic mobile traffic (minutes/subscription/month)		
Individuals using the Internet (%)	7.0	24.3
Quality		
Population covered by a mobile-cellular network (%)	84	91
Fixed (wired)-broadband subscriptions (% of total Internet)	37.5	77.5
International Internet bandwidth (bit/s per Internet user)	1,001	10,946
Affordability		
Fixed-telephone sub-basket (\$ a month)		7.1
Mobile-cellular sub-basket (\$ a month)		12.8
Fixed-broadband sub-basket (\$ a month)		21.9
Trade		
ICT goods exports (% of total goods exports)	15.4	12.4
ICT goods imports (% of total goods imports)	15.8	12.2
ICT service exports (% of total service exports)	25.6	33.1
Applications		
Online service index (0-1, 1=highest presence)	0.36	0.33
Secure Internet servers (per million people)	2.2	10.2
31 F 1 F 17		

High income

Economic and social context		
Population (millions)	1,087	1,135
Urban population (% of total)	79	80
GNI per capita, World Bank Atlas method (\$)	34,027	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.2	0.7
Adult literacy rate (% ages 15 and older)	98	98
Gross primary, secondary, tertiary school enrollment (%)	92	94

Sector structure

Separate telecommunications/ICT regulator

Status of main fixed-line operator

Level of competition (competition, partial comp., monopoly)

International gateway(s)

Mobile telephone service

Internet service

Foreign ownership (not allowed, restricted, allowed)

Reg. treatment of VoIP (banned, closed, no framework, allowed)

Sector efficiency and capacity	2.0	0.0
Telecommunications revenue (% of GDP)	3.0	2.6
Telecommunications investment (% of revenue)	14.9	15.8
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	51.5	47.3
Mobile-cellular telephone subscriptions (per 100 people)	84.1	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	15.37	27.30
Households with a computer (%)	65.3	77.3
Households with Internet access at home (%)	54.6	74.3
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)		185
Individuals using the Internet (%)	59.3	75.8
Quality		
Population covered by a mobile-cellular network (%)	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	87.3	95.0
International Internet bandwidth (bit/s per Internet user)	7,384	70,726
Affordability		
Fixed-telephone sub-basket (\$ a month)		23.8
Mobile-cellular sub-basket (\$ a month)		23.9
Fixed-broadband sub-basket (\$ a month)		26.6
Trade		
ICT goods exports (% of total goods exports)	13.4	9.6
ICT goods imports (% of total goods imports)	13.6	11.2
ICT service exports (% of total service exports)	29.5	30.6
Applications		
Online service index (0-1, 1=highest presence)	0.67	0.67
Secure Internet servers (per million people)	358.9	1,067.1

Euro area

	2005	2011
Economic and social context		
Population (millions)	324	333
Urban population (% of total)	74	76
GNI per capita, World Bank Atlas method (\$)	,	38,661
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.4	0.5
Adult literacy rate (% ages 15 and older)		99
Gross primary, secondary, tertiary school enrollment (%)	92	94
Sector structure		
Separate telecommunications/ICT regulator		
Status of main fixed-line operator		
Level of competition (competition, partial comp., monopoly)		
International gateway(s)		
Mobile telephone service		
Internet service		
Foreign ownership (not allowed, restricted, allowed)		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity		
Telecommunications revenue (% of GDP)	2.8	2.0
Telecommunications investment (% of revenue)	12.7	15.8
Sector performance		
Access		
Fixed-telephone subscriptions (per 100 people)	51.9	
Mobile-cellular telephone subscriptions (per 100 people)	98.1	
Fixed (wired)-broadband subscriptions (per 100 people)	13.32	
Households with a computer (%)	58.4	
Households with Internet access at home (%)	46.5	73.9
Usage		
Int'l. voice traffic, total (minutes/subscription/month)		
Domestic mobile traffic (minutes/subscription/month)	84	108
Individuals using the Internet (%) Quality	51.4	73.4
Population covered by a mobile-cellular network (%)	99	99
Fixed (wired)-broadband subscriptions (% of total Internet)	58.6	97.6
International Internet bandwidth (bit/s per Internet user)		79,582
Affordability	0,111	10,002
Fixed-telephone sub-basket (\$ a month)		25.5
Mobile-cellular sub-basket (\$ a month)		31.5
Fixed-broadband sub-basket (\$ a month)		30.9
Trade		00.0
ICT goods exports (% of total goods exports)	8.3	4.8
ICT goods imports (% of total goods imports)	10.3	
ICT service exports (% of total service exports)	30.1	
Applications		
Online service index (0-1, 1=highest presence)	0.71	0.67
Secure Internet servers (per million people)	144.9	
(por minor poopio)	1.1.0	0.0.0

Country tables

China

Data for China do not include data for Hong Kong SAR, China; Macao SAR, China; or Taiwan, China.

Cyprus

GNI and GDP data and data calculated using GNI and GDP refer to the area controlled by the government of the Republic of Cyprus.

France

Data for Mayotte, to which a reference appeared in previous editions, are included in data for France.

Georgia

GNI, GDP, and population data and data calculated using GNI, GDP, and population exclude Abkhazia and South Ossetia.

Kosovo, Montenegro, and Serbia

Montenegro declared independence from Serbia and Montenegro on June 3, 2006. Where available, data for each country are shown separately. However, some indicators for Serbia prior to 2006 include data for Montenegro. Moreover, data for most indicators for Serbia from 1999 onward exclude data for Kosovo, which in 1999 became a territory under international administration pursuant to UN Security Council Resolution 1244 (1999). Kosovo became a member of the World Bank on June 29, 2009, and its data are shown where available.

Moldova

GNI, GDP, and population data and data calculated using GNI, GDP, and population exclude Transnistria.

Morocco

GNI and GDP data and data calculated using GNI and GDP include Former Spanish Sahara.

South Sudan and Sudan

South Sudan declared its independence on July 9, 2011. Data are shown separately for South Sudan where available. However, data reported for Sudan include South Sudan unless otherwise noted.

Tanzania

GNI and GDP data and data calculated using GNI and GDP refer to mainland Tanzania only.

For more information, see World Development Indicators 2013 or data .worldbank.org.

Afghanistan

South Asia Low income

	Countr	Country data		Country data	
•	2005	2011	group 2011		
Economic and social context					
Population (millions)	30	35	817		
Urban population (% of total)	22	24	28		
GNI per capita, World Bank Atlas method (\$)	210	470	571		
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.2	10.3	5.8		
Adult literacy rate (% ages 15 and older)			63		
Gross primary, secondary, tertiary school enrollment (%)	45	54	58		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Public	Public			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	Р	P	•		
Mobile telephone service	Р	P	•		
Internet service	Р	P	•		
Foreign ownership (not allowed, restricted, allowed)	Α	Α			
Reg. treatment of VoIP (banned, closed, no framework, allowed)		C			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	6.0				
Telecommunications investment (% of revenue)	37.8				
Sector performance Access Fixed-telephone subscriptions (per 100 people)	0.1	0.0	1.1		
Mobile-cellular telephone subscriptions (per 100 people)	4.3	54.3			
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00			
Households with a computer (%)					
Households with Internet access at home (%)					
Usage					
Int'l. voice traffic, total (minutes/subscription/month)					
Domestic mobile traffic (minutes/subscription/month)	28.8		00.0		
Individuals using the Internet (%)	1.2	5.0			
Quality		0.0	0.0		
Population covered by a mobile-cellular network (%)	72	85			
Fixed (wired)-broadband subscriptions (% of total Internet)	18.3	50.0			
International Internet bandwidth (bit/s per Internet user)	12	1,236	a 2,941		
Affordability		,	,-		
Fixed-telephone sub-basket (\$ a month)			9.6		
Mobile-cellular sub-basket (\$ a month)			11.0		
Fixed-broadband sub-basket (\$ a month)			40.0		
Trade					
ICT goods exports (% of total goods exports)					
ICT goods imports (% of total goods imports)		0.4			
ICT service exports (% of total service exports)		37.3			
Applications					
Online service index (0-1, 1=highest presence)	0.20	0.24	0.20		
Secure Internet servers (per million people)	0.0	1.0	0.8		



Europe & Central Asia	Lower m	iddle i	ncome
	Country	v doto	Lower middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	3	3	2,533
Urban population (% of total)	47	53	,
GNI per capita, World Bank Atlas method (\$)	2,580	3,980	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.3	4.9	6.2
Adult literacy rate (% ages 15 and older)	99	96	71
Gross primary, secondary, tertiary school enrollment (%)	68		63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	P	1
Mobile telephone service	Р	P	1
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.1	4.3	
Telecommunications investment (% of revenue)	11.2	28.4	29.0
Sector performance			
Access	0.0	40.5	F 0
Fixed-telephone subscriptions (per 100 people)	8.9 48.7	10.5	
Mobile-cellular telephone subscriptions (per 100 people)	48.7 0.01a	96.4 3.99	
Fixed (wired)-broadband subscriptions (per 100 people)		3.99 15.6	
Households with laterant access at home (%)		13.7	
Households with Internet access at home (%) Usage		13.7	u 7.7
Int'l. voice traffic, total (minutes/subscription/month)	41.0	21.1	6.5
Domestic mobile traffic (minutes/subscription/month)	21.5	129.4	
Individuals using the Internet (%)	6.0	49.0	a 16.2
Quality			
Population covered by a mobile-cellular network (%)	91	99	
Fixed (wired)-broadband subscriptions (% of total Internet)	25.0	91.8	
International Internet bandwidth (bit/s per Internet user)	63a	19,038	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)		7.6	
Mobile-cellular sub-basket (\$ a month)		25.8	
Fixed-broadband sub-basket (\$ a month) Trade	••	11.7	21.6
ICT goods exports (% of total goods exports)	0.6	0.5	5.7
ICT goods exports (% of total goods exports)	3.8	3.6	
ICT service exports (% of total service exports)	10.3	10.5	
Applications	10.5	10.5	40.4
Online service index (0-1, 1=highest presence)	0.47	0.42	0.32
Secure Internet servers (per million people)	0.47	18.3	
(per million people)	0.0	10.0	0.0

Algeria

Middle East & North Africa	Upper m	iddle i	ncome
			Upper middle-
	Country	y data	income group
	2005	2011	2011
Economic and social context			
Population (millions)	33	36	2,490
Urban population (% of total)	67	73	61
GNI per capita, World Bank Atlas method (\$)	2,720	4,470	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.1	2.6	6.3
Adult literacy rate (% ages 15 and older)	73		94
Gross primary, secondary, tertiary school enrollment (%)	73	78	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	Р	
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	3.0	2.7
Telecommunications investment (% of revenue)	36.0		17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	7.8 41.5	8.5 99.0	
Fixed (wired)-broadband subscriptions (per 100 people)	0.41	2.78	a 9.96
Households with a computer (%)	7.1	20.0	a 35.9
Households with Internet access at home (%) Usage	1.2	10.0	a 25.5
Int'l. voice traffic, total (minutes/subscription/month)	8.1a	6.8	2.6
Domestic mobile traffic (minutes/subscription/month)	12.4	191.1	
Individuals using the Internet (%)	5.8	14.0	
Quality	5.0	14.0	30.2
Population covered by a mobile-cellular network (%)	42		98
Fixed (wired)-broadband subscriptions (% of total Internet)	71.1		84.6
International Internet bandwidth (bit/s per Internet user)	81a	8,933	
Affordability	01	0,000	10,200
Fixed-telephone sub-basket (\$ a month)		6.3	10.0
Mobile-cellular sub-basket (\$ a month)		13.8	
Fixed-broadband sub-basket (\$ a month)		17.8	
Trade		11.0	10.2
ICT goods exports (% of total goods exports)	0.0	0.0	13.9
ICT goods imports (% of total goods imports)	7.9	3.4	
ICT service exports (% of total service exports)	29.2	61.7	
Applications	23.2	01.7	20.0
Online service index (0–1, 1=highest presence)	0.35	0.25	0.46
Secure Internet servers (per million people)	0.55	1.4	
ocours internet servers (per million people)	0.1	1.4	13.3

American Samoa

	pper m	iddle i	ncome
			Upper middle
	Countr	y data	group
	2005	2011	2011
Economic and social context			
Population (millions)	0.06	0.07	,
Urban population (% of total)	91	93	6
GNI per capita, World Bank Atlas method (\$)			6,56
GDP growth, 2000-05 and 2005-11 (avg. annual %)			6.
Adult literacy rate (% ages 15 and older)			9
Gross primary, secondary, tertiary school enrollment (%)			7.
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.
Telecommunications investment (% of revenue)			17.
Sector performance Access Fixed-telephone subscriptions (per 100 people)	16.5ª	15.2	a 20.
Access	16.5 ^a 3.6	15.2 ⁻	a 20. 92.
Access Fixed-telephone subscriptions (per 100 people)			92.
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	3.6		92. 9.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	3.6		92 9.9 35.
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	3.6		92 9.9 35.
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	3.6		92. 9.9 35. 25.
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	3.6		92. 9.9 35. 25.
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	3.6		92. 9.9 35. 25. 2.
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	3.6		92. 9.9 35. 25. 2.
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	3.6		92. 9.9 35. 25. 2. 144. 38.
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	3.6		92. 9.9 35. 25. 2. 144. 38.
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	3.6		92. 9.9 35. 25. 244. 38.
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	3.6		92. 9.9 35. 25. 244. 38.
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	3.6		
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	3.6		92. 9.9 35. 25. 244. 38. 9 84. 13,20
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	3.6		92. 9.9 35. 25. 244. 38. 9 84. 13,20
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	3.6		92. 9.9 35. 25. 2. 144. 38. 9 84. 13,20 10. 16.
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-CT goods exports (% of total goods exports)	3.6		92. 9.9 35. 25. 2. 144. 38. 9 84. 13,20 16. 18.
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade CT goods exports (% of total goods exports) CT goods imports (% of total goods imports)	3.6		92 9.9 35. 25. 244 38. 9 84. 13,20 10 16 18.
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	3.6		92. 9.9 35. 25. 2. 144. 38. 9 84. 13,20 10. 16.
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade CT goods exports (% of total goods exports) CT goods imports (% of total goods imports)	3.6		92. 9.9. 35. 25. 24. 13.20 10. 16. 18.

Andorra

High income

	Country data		High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	0.08	0.09	1,135
Urban population (% of total)	90	87	80
GNI per capita, World Bank Atlas method (\$)	32,650	41,750	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	7.1	3.7	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	62	69	94
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		M	
Mobile telephone service	М	M	
Internet service		М	
Foreign ownership (not allowed, restricted, allowed)	No	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)		
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	3.6	2.6
Telecommunications investment (% of revenue)			15.8
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	45.5	44.6	47.3
Mobile-cellular telephone subscriptions (per 100 people)	82.9	75.5	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	13.28	29.90	27.30
Households with a computer (%)	15.20	25.50	77.3
Households with Internet access at home (%)			74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	112.6	84.8	
Domestic mobile traffic (minutes/subscription/month)	65.4	56.4	184.6
Individuals using the Internet (%)	37.6	81.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	91	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	60.7	99.1	95.0
International Internet bandwidth (bit/s per Internet user) Affordability	14,339	37,253	70,726
Fixed-telephone sub-basket (\$ a month)			23.8
Mobile-cellular sub-basket (\$ a month)			23.9
Fixed-broadband sub-basket (\$ a month)			26.6
Trade			
ICT goods exports (% of total goods exports)	18.8		9.6
ICT goods imports (% of total goods imports)	14.0		11.2
ICT service exports (% of total service exports)			30.6
Applications			
Online service index (0-1, 1=highest presence)	0.52	0.31	0.67
Secure Internet servers (per million people)	436.5	868.4	1,067.1

Angola

Sub-Saharan Africa U	pper m	iddle i	ncome
	Countr		Upper middle- income group
-	2005	2011	2011
Economic and social context			
Population (millions)	16	20	2,490
Urban population (% of total)	54	59	61
GNI per capita, World Bank Atlas method (\$)	1,240	3,830	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	9.6	10.5	6.3
Adult literacy rate (% ages 15 and older)	67	70	94
Gross primary, secondary, tertiary school enrollment (%)	58	65	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	М	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.0		2.7
Telecommunications investment (% of revenue)	25.3		17.8
Telecommunications investment (% of revenue) Sector performance Access			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	0.6	1.5	20.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	0.6 9.8	1.5 ⁴	20.9 92.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.6 9.8 0.00	1.5 ⁶ 48.4 ⁸ 0.13 ⁸	20.9 92.4 9.96
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	0.6 9.8 0.00 5.0	1.5 ⁴ 48.4 ⁴ 0.13 ⁴ 7.1 ⁵	20.9 92.4 9.96 35.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	0.6 9.8 0.00	1.5 ⁶ 48.4 ⁸ 0.13 ⁸	20.9 92.4 9.96 35.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	0.6 9.8 0.00 5.0	1.5 ² 48.4 ² 0.13 ³ 7.1 ² 5.7 ³	20.9 92.4 9.96 35.9 25.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	0.6 9.8 0.00 5.0	1.5 ⁴ 48.4 ⁴ 0.13 ⁴ 7.1 ⁵	20.9 92.4 9.96 35.9 25.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	0.6 9.8 0.00 5.0	1.5 ⁶ 48.4 ⁴ 0.13 ⁶ 7.1 ⁶ 5.7 ⁶	20.9 92.4 9.96 35.9 25.5 2.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	0.6 9.8 0.00 5.0	1.5°48.4°4 0.13°5 7.1°5 5.7°6	20.9 92.4 9.96 35.9 25.5 2.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	0.6 9.8 0.00 5.0	1.5°48.4°4 0.13°5 7.1°5 5.7°6	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	0.6 9.8 0.00 5.0 	1.5 ³ 48.4 ³ 0.13 ³ 7.1 ³ 5.7 ³ 14.8 ³	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	0.6 9.8 0.00 5.0 	1.5° 48.4° 0.13° 7.1° 5.7° 14.8°	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	0.6 9.8 0.00 5.0 1.1 40 0.0	1.5°48.4°4 0.13°4 7.1°4 5.7°5 14.8°6 6.3	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	0.6 9.8 0.00 5.0 1.1 40 0.0	1.5°48.4°4 0.13°4 7.1°4 5.7°5 14.8°6 6.3	20.9 92.4 99.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	0.6 9.8 0.00 5.0 1.1 40 0.0 361	1.5 ⁶ 48.4 ⁶ 0.13 ⁶ 7.1 ⁶ 5.7 ⁶ 14.8 ⁶ 6.3	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	0.6 9.8 0.00 5.0 1.1 40 0.0 361	1.55 48.44 0.133 7.11 5.77 14.87 6.33 517	20.9 92.4 92.4 93.5 25.5 26.6 144.6 38.2 98.8 84.6 13,200 10.0 16.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	0.6 9.8 0.00 5.0 1.1 40 0.0 361	1.5 ⁵ 48.4 ⁴ 0.13 ³ 7.1 ⁴ 5.7 ⁷ 14.8 ⁶ 6.3 517 17.3 20.7	20.9 92.4 92.4 93.5 25.5 26.6 144.6 38.2 98.8 84.6 13,200 10.0 16.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	0.6 9.8 0.00 5.0 1.1 40 0.0 361	1.5 ⁵ 48.4 ⁴ 0.13 ³ 7.1 ⁴ 5.7 ⁷ 14.8 ⁶ 6.3 517 17.3 20.7	20.9 92.4 99.6 3 35.9 25.5 26 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	0.6 9.8 0.00 5.0 1.1 40 0.0 361	1.5 ¹ 48.4 ⁴ 0.13 ³ 7.1 ⁴ 5.7 ⁴ 14.8 ⁶ 6.3 517 17.3 20.7 54.3	20.9 92.4 92.4 93.5 25.5 26.6 144.6 13,200 10.0 16.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	0.6 9.8 0.00 5.0 1.1 40 0.0 361	1.5 ² 48.4 ⁴ 0.13 ³ 7.1 ⁴ 5.7 ⁴ 14.8 ⁴ 6.3 517 17.3 20.7 54.3	20.9 92.4 99.4 99.9 135.5 25.5 144.6 13,200 10.0 18.2 13.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	0.6 9.8 0.00 5.0 1.1 40 0.0 361 	1.5 ⁶ 48.4 ⁴ 0.13 ⁴ 7.1 ¹ 5.7 ⁴ 14.8 ⁴ 6.3 517 17.3 20.7 54.3	20.9 92.4 99.4 99.9 135.5 25.5 144.6 13,200 10.0 18.2 13.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT service exports (% of total service exports)	0.6 9.8 0.00 5.0 1.1 40 0.0 361 	1.5 ⁶ 48.4 ⁴ 0.13 ⁴ 7.1 ¹ 5.7 ⁴ 14.8 ⁴ 6.3 517 17.3 20.7 54.3	20.9 92.4 9.96 35.9 25.5 2.6 144.6

Antigua and Barbuda

Latin America & Caribbean	Upper m	iddle i	ncome
			Upper middle-
	Countr	y data	income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.08	0.09	2,490
Urban population (% of total)	31	30	61
GNI per capita, World Bank Atlas method (\$)	11,810	11,940	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.9	-1.7	6.3
Adult literacy rate (% ages 15 and older)	99	99	94
Gross primary, secondary, tertiary school enrollment (%)		81	75
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	С	Р	
Internet service	С	Р	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) B	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.7
Telecommunications investment (% of revenue)			17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people)	43.5	39.6	20.9
Mobile-cellular telephone subscriptions (per 100 people)	102.5	196.4	
Fixed (wired)-broadband subscriptions (per 100 people)	0.94a	6.70	
Households with a computer (%)		50.9	
Households with Internet access at home (%)		40.0	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		19.0	2.6
Domestic mobile traffic (minutes/subscription/month)		126.7	144.6
Individuals using the Internet (%)	34.7	82.0	
Quality			
Population covered by a mobile-cellular network (%)	100	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	8.8	41.0	
International Internet bandwidth (bit/s per Internet user)	19,051	56,545	
Affordability	10,001	00,010	10,200
Fixed-telephone sub-basket (\$ a month)		12.8	10.0
Mobile-cellular sub-basket (\$ a month)		25.3	
Fixed-broadband sub-basket (\$ a month)		54.9	
Trade		5 1.5	10.2
ICT goods exports (% of total goods exports)	4.6	12.1	13.9
ICT goods imports (% of total goods imports)	3.9	3.8	
ICT service exports (% of total service exports)	9.6	6.0	
Applications	5.0	0.0	20.0
Online service index (0-1, 1=highest presence)	0.45	0.31	0.46
Secure Internet servers (per million people)	846.1	1,071.3	
Goodie internet servers (per million people)	070.1	1,011.0	13.3

Argentina

Latin America & Caribbean	Upper n	niddle i	ncome
	Counti	ny data	Upper middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	39	41	2.490
Urban population (% of total)	91	92	61
GNI per capita, World Bank Atlas method (\$)	4,480		6,563
GDP growth, 2000–05 and 2005–11 (avg. annual %)	2.2		6.3
Adult literacy rate (% ages 15 and older)	97	98	
Gross primary, secondary, tertiary school enrollment (%)	89	95	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	C	
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed		A	
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	3.1	3.2	2.7 17.8
Sector performance			
Access	24.4	24.9	a 20.9
Fixed-telephone subscriptions (per 100 people)			
Mobile-cellular telephone subscriptions (per 100 people)	57.3	134.9	
Fixed (wired)-broadband subscriptions (per 100 people)	2.40	10.53	
Households with Internet access at home (%)		47.0 34.0	
Households with Internet access at home (%)		34.0	20.0
Usage			2.6
Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)		 24.4	
Individuals using the Internet (%)	 17.7	47.7	
Quality	17.7	41.1	30.2
Population covered by a mobile-cellular network (%)	94		98
	38.3	96.7	
Fixed (wired)-broadband subscriptions (% of total Internet)	1,787		
International Internet bandwidth (bit/s per Internet user)	1,707	23,712	13,200
Affordability		4.6	10.0
Fixed-telephone sub-basket (\$ a month)		41.1	
Mobile-cellular sub-basket (\$ a month)		24.3	
Fixed-broadband sub-basket (\$ a month)		24.3	10.2
Trade	0.2	0.1	12.0
ICT goods exports (% of total goods exports)	0.2	0.1	13.9
ICT goods imports (% of total goods imports)	11.6	8.7	13.5
ICT service exports (% of total service exports)	31.1	45.4	28.3
Applications	0.50	0.50	0.40

0.46

19.9

0.58

10.8

0.53

42.3

Online service index (0-1, 1=highest presence)

Secure Internet servers (per million people)

Armenia

Europe & Central Asia L	ower m	iddle i	ncome
	Country	/ data	Lower middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	3	3	2,533
Urban population (% of total)	64	64	39
GNI per capita, World Bank Atlas method (\$)	1,470	3,360	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	12.3	2.7	6.2
Adult literacy rate (% ages 15 and older)	99	100	71
Gross primary, secondary, tertiary school enrollment (%)	71	72	63
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	4.1	2.5
	00.0		00.0
Telecommunications investment (% of revenue)	23.6	26.9	29.0
Sector performance Access	23.6	26.9	
Sector performance	19.4	18.6	5.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	19.4 10.4	18.6 103.6	5.6 80.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	19.4 10.4 0.06 a	18.6 103.6 4.98	5.6 80.1 1.25
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	19.4 10.4 0.06 a 5.5 a	18.6 103.6 4.98 20.0	5.6 80.1 1.25 10.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	19.4 10.4 0.06 a	18.6 103.6 4.98	5.6 80.1 1.25 10.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	19.4 10.4 0.06 a 5.5 a 2.9 a	18.6 103.6 4.98 20.0 13.6	5.6 80.1 1.25 10.7 7.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month)	19.4 10.4 0.06a 5.5a 2.9a	18.6 103.6 4.98 20.0 13.6	5.6 80.1 1.25 10.7 7.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	19.4 10.4 0.06a 5.5a 2.9a	18.6 103.6 4.98 20.0 13.6 23.1 149.4	5.6 80.1 1.25 10.7 7.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	19.4 10.4 0.06a 5.5a 2.9a	18.6 103.6 4.98 20.0 13.6	5.6 80.1 1.25 10.7 7.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	19.4 10.4 0.06a 5.5a 2.9a 58.0 5.3	18.6 103.6 4.98 20.0 13.6 23.1 149.4 32.0	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	19.4 10.4 0.06a 5.5a 2.9a 58.0 5.3	18.6 103.6 4.98 20.0 13.6 23.1 149.4 32.0	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	19.4 10.4 0.06 a 5.5 a 2.9 a 58.0 5.3	18.6 103.6 4.98 20.0 13.6 23.1 149.4 32.0 99	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	19.4 10.4 0.06a 5.5a 2.9a 58.0 5.3	18.6 103.6 4.98 20.0 13.6 23.1 149.4 32.0	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	19.4 10.4 0.06 a 5.5 a 2.9 a 58.0 5.3 85 1.1 453	18.6 103.6 4.98 20.0 13.6 23.1 149.4 32.0 99 94.4 22,196	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	19.4 10.4 0.06 a 5.5 a 2.9 a 58.0 5.3	18.6 103.6 4.98 20.0 13.6 23.1 149.4 32.0 99	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	19.4 10.4 0.06a 5.5a 2.9a 58.0 5.3 85 1.1 453	18.6 103.6 4.98 20.0 13.6 23.1 149.4 32.0 99 94.4 22,196 4.2 8.8	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	19.4 10.4 0.06a 5.5a 2.9a 58.0 5.3 85 1.1 453	18.6 103.6 4.98 20.0 13.6 23.1 149.4 32.0 99 94.4 22,196	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	19.4 10.4 0.06a 5.5a 2.9a 58.0 5.3 85 1.1 453	18.6 103.6 4.98 20.0 13.6 23.1 149.4 32.0 99 94.4 22,196 4.2 8.8	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	19.4 10.4 0.06a 5.5a 2.9a 58.0 5.3 85 1.1 453	18.6 103.6 4.98 20.0 13.6 23.1 149.4 32.0 99 94.4 22,196 4.2 8.8 21.0	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	19.4 10.4 0.06a 5.5a 2.9a 58.0 5.3 85 1.1 453	18.6 103.6 4.98 20.0 13.6 23.1 149.4 32.0 99 94.4 22,196 4.2 8.8 21.0	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	19.4 10.4 0.06a 5.5a 2.9a 58.0 5.3 85 1.1 453 	18.6 103.6 4.98 20.0 13.6 23.1 149.4 32.0 99 94.4 22,196 4.2 8.8 21.0 0.7 4.2	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	19.4 10.4 0.06a 5.5a 2.9a 58.0 5.3 85 1.1 453 	18.6 103.6 4.98 20.0 13.6 23.1 149.4 32.0 99 94.4 22,196 4.2 8.8 21.0	5.6 80.1 1.25 10.7 7.7 6.5 3 16.2 86 58.8 6,560 5.1 11.3 21.6



High income

	Countr	Country data		H inc ountry data	
-	2005	2011	group 2011		
Economic and social context					
Population (millions)	0.10	0.11	1,135		
Urban population (% of total)	47	47	80		
GNI per capita, World Bank Atlas method (\$)			39,860		
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-0.8		0.7		
Adult literacy rate (% ages 15 and older)	97	97	98		
Gross primary, secondary, tertiary school enrollment (%)	83	78	94		
Sector structure					
Separate telecommunications/ICT regulator					
Status of main fixed-line operator					
Level of competition (competition, partial comp., monopoly)					
International gateway(s)					
Mobile telephone service					
Internet service					
Foreign ownership (not allowed, restricted, allowed)					
Reg. treatment of VoIP (banned, closed, no framework, allowed)					
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)			2.6		
Telecommunications investment (% of revenue)	1.2	15.8	15.8		
Sector performance					
Access	37.9	32.6	47.3		
Fixed-telephone subscriptions (per 100 people)	102.4	32.6 122.6			
Mobile-cellular telephone subscriptions (per 100 people)	102.4	17.88			
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	45.0	62.5	77.3		
Households with Internet access at home (%)	36.7	63.0	74.3		
. ,	30.7	03.0	14.3		
Usage Int'l. voice traffic, total (minutes/subscription/month)					
Domestic mobile traffic (minutes/subscription/month)			184.6		
Individuals using the Internet (%)	25.4 a	 57.1			
Quality	23.4 a	37.1	13.6		
Population covered by a mobile-cellular network (%)	90	99	100		
Fixed (wired)-broadband subscriptions (% of total Internet)	100.0	100.0	95.0		
International Internet bandwidth (bit/s per Internet user)	7,017	113,412	70,726		
Affordability	1,011	113,412	10,120		
Fixed-telephone sub-basket (\$ a month)			23.8		
Mobile-cellular sub-basket (\$ a month)			23.9		
Fixed-broadband sub-basket (\$ a month)			26.6		
Trade			20.0		
ICT goods exports (% of total goods exports)		0.4	9.6		
ICT goods exports (% of total goods exports)		4.9	11.2		
ICT service exports (% of total service exports)	10.2	13.5	30.6		
Applications	10.2	13.3	30.0		
Online service index (0-1, 1=highest presence)			0.67		
Secure Internet servers (per million people)	287.1	396.0	1,067.1		
occure internet servers (her million heahie)	201.1	330.0	1,001.1		

Australia

High income

	Country data		High- income group	
•	2005	2011	2011	
Economic and social context				
Population (millions)	20	22	1,135	
Urban population (% of total)	88	89	80	
GNI per capita, World Bank Atlas method (\$)	30,290	49,790	39,860	
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.4	2.7	0.7	
Adult literacy rate (% ages 15 and older)			98	
Gross primary, secondary, tertiary school enrollment (%)	105	110	94	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Mixed	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	С	Р		
Mobile telephone service	С	С		
Internet service	С	С		
Foreign ownership (not allowed, restricted, allowed)	Α	Α		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	3.8	3.2	2.6	
Telecommunications investment (% of revenue)	16.7	17.2	15.8	
Sector performance				
Access	40.0	40.0	47.0	
Fixed-telephone subscriptions (per 100 people)	49.6	46.8	47.3	
Mobile-cellular telephone subscriptions (per 100 people)	90.3 9.88a	108.3 24.32	114.1 27.30	
Fixed (wired)-broadband subscriptions (per 100 people)			77.3	
Households with a computer (%)	67.0 56.0	82.6 78.9	74.3	
Households with Internet access at home (%)	56.0	18.9	14.3	
Usage				
Int'l. voice traffic, total (minutes/subscription/month)			184.6	
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	63.0	79.0	75.8	
• • • • • • • • • • • • • • • • • • • •	03.0	79.0	10.6	
Quality Papulation severed by a mabile callular naturals (%)	98	99	100	
Population covered by a mobile-cellular network (%)	33.7	92.1	95.0	
Fixed (wired)-broadband subscriptions (% of total Internet)	7,840a			
International Internet bandwidth (bit/s per Internet user) Affordability	1,040	30,396	70,726	
Fixed-telephone sub-basket (\$ a month)		29.5	23.8	
Mobile-cellular sub-basket (\$ a month)		27.7	23.9	
Fixed-broadband sub-basket (\$ a month)		55.3	26.6	
Trade				
ICT goods exports (% of total goods exports)	1.7	0.8	9.6	
ICT goods imports (% of total goods imports)	11.8	9.8	11.2	
ICT service exports (% of total service exports)	16.0	17.7	30.6	
Applications				
Online service index (0-1, 1=highest presence)	0.81	0.86	0.67	
Secure Internet servers (per million people)	498.1	1,777.5	1,067.1	

Austria

	Countr	v data	High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	8	8	1,135
Urban population (% of total)	67	68	80
GNI per capita, World Bank Atlas method (\$)	37,210	48,170	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.7	1.2	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	88	93	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С		
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	1.5	2.6
Telecommunications investment (% of revenue)	12.7	11.3	15.8
Sector performance			
Access	45.4	40.2	47.3
Fixed-telephone subscriptions (per 100 people)	45.4	40.3	
Mobile-cellular telephone subscriptions (per 100 people)	105.3	154.8	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	14.26	25.42	
Households with a computer (%)	63.1	78.1	77.3
Households with Internet access at home (%)	46.7	75.4	74.3
Usage	10.1		
Int'l. voice traffic, total (minutes/subscription/month)	16.1		4046
Domestic mobile traffic (minutes/subscription/month)	107.5	142.0	
Individuals using the Internet (%)	58.0	79.8	75.8
Quality	00	00	100
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	66.3	86.9	95.0
International Internet bandwidth (bit/s per Internet user) Affordability	11,439ª	81,919	70,726
Fixed-telephone sub-basket (\$ a month)		25.3	23.8
Mobile-cellular sub-basket (\$ a month)		13.5	23.9
Fixed-broadband sub-basket (\$ a month)		39.3	26.6
Trade			
ICT goods exports (% of total goods exports)	5.5	3.8	9.6
ICT goods imports (% of total goods imports)	7.7	4.9	11.2
ICT service exports (% of total service exports)	24.8	28.6	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.74	0.75	0.67
Secure Internet servers (per million people)	231.7	1,147.0	1,067.1

Azerbaijan

Europe & Central Asia U	pper n	iddle i	ncome
			Upper middle-
	Countr		income
	2005	2011	group 2011
Economic and social context			
Population (millions)	8	9	2,490
Urban population (% of total)	52	54	61
GNI per capita, World Bank Atlas method (\$)	1,270	5,290	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	12.7	13.0	6.3
Adult literacy rate (% ages 15 and older)	100	100	94
Gross primary, secondary, tertiary school enrollment (%)	71	70	75
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	М	
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	Α	
Sector efficiency and capacity			
	3.6	2.2	2.7
Telecommunications revenue (% of GDP)	3.0	2.3	2.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	6.8	34.7	17.8
Telecommunications investment (% of revenue) Sector performance Access	6.8	34.7	17.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	6.8	34.7	17.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	6.8 12.7 26.1	34.7 18.1 108.7	20.9 92.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	6.8 12.7 26.1 0.03	18.1 108.7 10.73	20.9 92.4 9.96
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	6.8 12.7 26.1 0.03 7.3	18.1 108.7 10.73 21.5	20.9 92.4 9.96 35.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	6.8 12.7 26.1 0.03	18.1 108.7 10.73	20.9 92.4 9.96 35.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	6.8 12.7 26.1 0.03 7.3	18.1 108.7 10.73 21.5	20.9 92.4 9.96 35.8 25.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	12.7 26.1 0.03 7.3 6.3	18.1 108.7 10.73 21.5 35.3	20.9 92.4 9.96 35.9 25.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	12.7 26.1 0.03 7.3 6.3 7.6	18.1 108.7 10.73 21.5 35.3 6.4	20.9 92.4 9.96 35.9 25.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	12.7 26.1 0.03 7.3 6.3 7.6 3.1	18.1 108.7 10.73 21.5 35.3 6.4 110.5	20.9 92.4 9.96 35.9 25.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	12.7 26.1 0.03 7.3 6.3 7.6 3.1	18.1 108.7 10.73 21.5 35.3 6.4 110.5	20.9 92.4 9.96 35.9 25.8 2.6 144.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	12.7 26.1 0.03 7.3 6.3 7.6 3.1 8.0	18.1 108.7 10.73 21.5 35.3 6.4 110.5 50.0	20.9 92.4 9.96 35.5 25.5 2.6 144.6 98
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	12.7 26.1 0.03 7.3 6.3 7.6 3.1 8.0	18.1 108.7 10.73 21.5 35.3 6.4 110.5 50.0	20.9 92.4 9.96 35.5 25.5 2.6 144.6 3 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	12.7 26.1 0.03 7.3 6.3 7.6 3.1 8.0	18.1 108.7 10.73 21.5 35.3 6.4 110.5 50.0 100 75.7	20.9 92.4 9.96 35.9 25.5 26.1 144.6 38.2 98
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	12.7 26.1 0.03 7.3 6.3 7.6 3.1 8.0	18.1 108.7 10.73 21.5 35.3 6.4 110.5 50.0 100 75.7	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	12.7 26.1 0.03 7.3 6.3 7.6 3.1 8.0 99 3.0 435	18.1 108.7 10.73 21.5 35.3 6.4 110.5 50.0 100 75.7 19,102	20.9 92.4 9.96 35.5 25.5 26 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	12.7 26.1 0.03 7.3 6.3 7.6 3.1 8.0 99 3.0 435	18.1 108.7 10.73 21.5 35.3 6.4 110.5 50.0 100 75.7 19,102	20.9 92.4 9.96 35.5 25.5 26.144.6 3 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	6.8 12.7 26.1 0.03 7.3 6.3 7.6 3.1 8.0 99 3.0 435	18.1 108.7 10.73 21.5 35.3 6.4 110.5 50.0 100 75.7 19,102 2.5 8.8	20.9 92.4 9.96 35.5 25.5 26.144.6 3 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	6.8 12.7 26.1 0.03 7.3 6.3 7.6 3.1 8.0 99 3.0 435	18.1 108.7 10.73 21.5 35.3 6.4 110.5 50.0 100 75.7 19,102 2.5 8.8	20.9 92.4 9.96 35.5 25.5 2.6 144.6 13,200 10.0 16.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	12.7 26.1 0.03 7.3 6.3 7.6 3.1 8.0 99 3.0 435	18.1 108.7 10.73 21.5 35.3 6.4 110.5 50.0 100 75.7 19,102 2.5 8.8 12.5	20.9 92.4 9.96 35.9 25.8 2.6 144.6 13,200 10.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	12.7 26.1 0.03 7.3 6.3 7.6 3.1 8.0 99 3.0 435	34.7 18.1 108.7 10.73 21.5 35.3 6.4 110.5 50.0 100 75.7 19,102 2.5 8.8 12.5 0.0	20.9 92.4 9.96 35.9 25.5 26.144.6 13,200 10.0 16.0 13.5 13.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	6.8 12.7 26.1 0.03 7.3 6.3 7.6 3.1 8.0 99 3.0 435 0.0 4.6	34.7 18.1 108.7 10.73 21.5 35.3 6.4 110.5 50.0 100 75.7 19,102 2.5 8.8 12.5 0.0 3.5	20.9 92.4 9.96 35.9 25.5 26.144.6 13,200 10.0 16.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	6.8 12.7 26.1 0.03 7.3 6.3 7.6 3.1 8.0 99 3.0 435 0.0 4.6	34.7 18.1 108.7 10.73 21.5 35.3 6.4 110.5 50.0 100 75.7 19,102 2.5 8.8 12.5 0.0 3.5	20.9 92.4 9.96 35.5 25.5 2.6 144.6 13,200 10.0 16.0 18.2

Bahamas, The

	Countr	y data	High- income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.32	0.35	1,135
Urban population (% of total)	83	84	80
GNI per capita, World Bank Atlas method (\$)	24,410	21,970	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.3	-0.8	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	M	
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			15.8
Sector performance			
Access	44.7	20.0	47.0
Fixed-telephone subscriptions (per 100 people)	41.7	38.3	
Mobile-cellular telephone subscriptions (per 100 people)	71.3	86.1	
Fixed (wired)-broadband subscriptions (per 100 people)	4.19	4.46	77.0
Households with a computer (%) Households with Internet access at home (%)			74.3
Usage			74.3
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			184.6
Individuals using the Internet (%)	25.0a	65.0	
Quality	20.0	00.0	10.0
Population covered by a mobile-cellular network (%)	95	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	49.2	100.0	
International Internet bandwidth (bit/s per Internet user)	1,127a	4,431	
Affordability	,	,	,
Fixed-telephone sub-basket (\$ a month)		16.3	23.8
Mobile-cellular sub-basket (\$ a month)		17.5	23.9
Fixed-broadband sub-basket (\$ a month)		30.0	26.6
Trade			
ICT goods exports (% of total goods exports)	0.3	1.7	9.6
ICT goods imports (% of total goods imports)	3.2	2.7	11.2
ICT service exports (% of total service exports)			30.6
Applications			
Online service index (0-1, 1=highest presence)	0.49	0.47	0.67
Secure Internet servers (per million people)	153.4	367.2	1,067.1

Bahrain

	Country	y data	High- income group
•	2005	2011	2011
Economic and social context			
Population (millions)	0.72	1	1,135
Urban population (% of total)	88	89	80
GNI per capita, World Bank Atlas method (\$)	17,400	15,920	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.1	5.8	0.7
Adult literacy rate (% ages 15 and older)	87	92	98
Gross primary, secondary, tertiary school enrollment (%)	87		94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.6	4.2	2.6
Telecommunications investment (% of revenue)	14.9	17.8	15.8
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	26.7	20.9	47.3
Mobile-cellular telephone subscriptions (per 100 people)	105.8	128.0	
Fixed (wired)-broadband subscriptions (per 100 people)	2.96	13.83	
Households with a computer (%)	87.0	90.0	
Households with Internet access at home (%)	45.0	76.8	
Usage	10.0	10.0	1 1.0
Int'l. voice traffic, total (minutes/subscription/month)		102.3	
Domestic mobile traffic (minutes/subscription/month)	117.3	234.7	184.6
Individuals using the Internet (%)	21.3	77.0	
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	42.6	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	2,649a	14,719	70,726
Affordability			00.0
Fixed-telephone sub-basket (\$ a month)		4.7	23.8
Mobile-cellular sub-basket (\$ a month)		15.0	23.9
Fixed-broadband sub-basket (\$ a month) Trade		26.6	26.6
	0.1	1.0	0.6
ICT goods exports (% of total goods exports)	0.1 2.1	1.8 5.8	
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports) Applications	25.1	28.0	30.6
Online service index (0–1, 1=highest presence)	0.57	0.86	0.67
Secure Internet servers (per million people)	48.3		1,067.1
occure internet servers (her million heahie)	40.3	131.0	1,001.1

Bangladesh

South Asia Low income

	Countr	y data	Low- income group
-	2005	2011	2011
Economic and social context			
Population (millions)	141	150	817
Urban population (% of total)	26	28	28
GNI per capita, World Bank Atlas method (\$)	480	780	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.4	6.2	5.8
Adult literacy rate (% ages 15 and older)	47	57	63
Gross primary, secondary, tertiary school enrollment (%)			58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	М	
Mobile telephone service	C	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	7.8	
Telecommunications investment (% of revenue)		12.2	
Sector performance			
Access	0.0	0.0	
Fixed-telephone subscriptions (per 100 people)	0.8	0.6	
Mobile-cellular telephone subscriptions (per 100 people)	6.4	56.1	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.31	
Households with a computer (%)	1.4	3.1	
Households with Internet access at home (%)	0.2	2.6	
Usage		04.0	
Int'l. voice traffic, total (minutes/subscription/month)		21.6	
Domestic mobile traffic (minutes/subscription/month)		152.0	
Individuals using the Internet (%) Quality	0.2ª	5.0	a 6.0
Population covered by a mobile-cellular network (%)	80	99	а
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	40.7	24.5
International Internet bandwidth (bit/s per Internet user)	177a	1,528	2,941
Affordability		,	,
Fixed-telephone sub-basket (\$ a month)		1.5	9.6
Mobile-cellular sub-basket (\$ a month)		1.6	
Fixed-broadband sub-basket (\$ a month)		8.3	42.8
Trade			
ICT goods exports (% of total goods exports)	0.1		
ICT goods imports (% of total goods imports)	6.2		
ICT service exports (% of total service exports)	18.2	37.7	18.6
Applications			
Online service index (0–1, 1=highest presence)	0.29	0.44	0.20
Secure Internet servers (per million people)	0.0	0.8	
		2.0	

Barbados

	Country	y data i	High- ncome group
-	2005	2011	2011
Economic and social context			
Population (millions)	0.27	0.27	1,135
Urban population (% of total)	41	44	80
GNI per capita, World Bank Atlas method (\$)	11.000	12.660	39.860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.2	-0.2	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	95	102	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р		
Mobile telephone service	С	Р	
Internet service	С		
Foreign ownership (not allowed, restricted, allowed)	Α	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.9		2.6
Telecommunications investment (% of revenue)	14.0		15.8
Sector performance			
Access	40.0	F4.4	47.0
Fixed-telephone subscriptions (per 100 people)	49.9	51.4	47.3
Mobile-cellular telephone subscriptions (per 100 people)	76.2 11.81	127.0 22.14	114.1 27.30
Fixed (wired)-broadband subscriptions (per 100 people)	39.6	61.4	
Households with a computer (%) Households with Internet access at home (%)	34.3	51.0	
Usage	34.3	31.0	1 /4.3
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			184.6
Individuals using the Internet (%)	56.1a	71.8a	
Quality	30.1-	11.0-	13.6
Population covered by a mobile-cellular network (%)	100	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	71.2	94.0	95.0
International Internet bandwidth (bit/s per Internet user)	3,297	38,177	70,726
Affordability	5,251	30,111	10,120
Fixed-telephone sub-basket (\$ a month)		20.7	23.8
Mobile-cellular sub-basket (\$ a month)		21.2	23.9
Fixed-broadband sub-basket (\$ a month)		39.6	26.6
Trade			
ICT goods exports (% of total goods exports)	4.9	0.7	9.6
ICT goods imports (% of total goods imports)	7.8	5.0	11.2
ICT service exports (% of total service exports)	15.3	25.9	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.57	0.37	0.67
Secure Internet servers (per million people)	207.0	397.0	1,067.1

Belarus

Europe & Central Asia	Upper m	niddle i	ncome
	Countr	w data	Upper middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	10	9	2,490
Urban population (% of total)	72	75	61
GNI per capita, World Bank Atlas method (\$)	2,810	5,830	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	7.6	6.7	6.3
Adult literacy rate (% ages 15 and older)		100	94
Gross primary, secondary, tertiary school enrollment (%)		97	75
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	М	
Mobile telephone service	Р	С	
Internet service	C	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) B	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.3	2.4	2.7
Telecommunications investment (% of revenue)	41.3	30.1	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	33.4	44.0	20.9
Mobile-cellular telephone subscriptions (per 100 people)	41.7	111.9	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.02	21.94	9.96
Households with a computer (%)	9.6	46.4	35.9
Households with Internet access at home (%)	9.2	40.3	25.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	6.6	8.1	
Domestic mobile traffic (minutes/subscription/month)	116.2	195.3	
Individuals using the Internet (%)	19.7	39.6	38.2
Quality			
Population covered by a mobile-cellular network (%)	90	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	4.2	90.7	
International Internet bandwidth (bit/s per Internet user)	1,336	52,833	13,200
Affordability		4.0	40.6
Fixed-telephone sub-basket (\$ a month)		1.3	
Mobile-cellular sub-basket (\$ a month)		8.8	
Fixed-broadband sub-basket (\$ a month) Trade		18.1	18.2
ICT goods exports (% of total goods exports)	1.0	0.4	13.9
ICT goods imports (% of total goods imports)	2.4	1.7	
ICT service exports (% of total service exports)	15.0	16.9	
Applications	10.0	10.0	20.0
Online service index (0-1, 1=highest presence)	0.52	0.41	0.46
Secure Internet servers (per million people)	0.5	18.4	
oo. (po	0.0	10.7	10.0

High income

Belgium

	Country	v data	High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	10	11	1.135
Urban population (% of total)	97	97	80
GNI per capita, World Bank Atlas method (\$)	36,610	45,930	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.6	1.0	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	95	97	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	Р		
Internet service	С		
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	1.7	2.6
Telecommunications investment (% of revenue)	11.6	21.5	15.8
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	46.0	43.1	47.3
Mobile-cellular telephone subscriptions (per 100 people)	92.2	116.6	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	19.31	32.95	27.30
Households with a computer (%)	57.0	78.9	77.3
Households with Internet access at home (%)	50.2	76.5	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	70.2	89.2	184.6
Individuals using the Internet (%)	55.8 a	78.0 ^a	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	88.1	100.0	95.0
International Internet bandwidth (bit/s per Internet user) Affordability	20,219 ^a	131,137ª	70,726
Fixed-telephone sub-basket (\$ a month)		31.5	23.8
Mobile-cellular sub-basket (\$ a month)		37.6	23.9
Fixed-broadband sub-basket (\$ a month)		25.2	26.6
Trade			
ICT goods exports (% of total goods exports)	4.0	2.2	9.6
ICT goods imports (% of total goods imports)	4.9	3.4	11.2
ICT service exports (% of total service exports)	34.5	42.0	30.6
Applications Online service index (0–1, 1=highest presence)	0.68	0.65	0.67
Secure Internet servers (per million people)	117.9	697.3	
ocourt internet servers (per minion people)	111.3	0.7.5	1,001.1

Belize

Latin America & Caribbean	Lower m	iddle i	ncome
			Lower middle-
	Countr	y data	income
	2005	2011	2011
Economic and social context			
Population (millions)	0.29	0.36	2,533
Urban population (% of total)	46	45	39
GNI per capita, World Bank Atlas method (\$)	3,580	3,710	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.7	2.2	6.2
Adult literacy rate (% ages 15 and older)			. 71
Gross primary, secondary, tertiary school enrollment (%)	74	77	63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	М	C	
Internet service	М	C	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) No	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.7	5.0	2.5
Telecommunications investment (% of revenue)	23.8	16.0	29.0
Sector performance Access Fixed-telephone subscriptions (per 100 people)	12.0	9.1	5.6
Mobile-cellular telephone subscriptions (per 100 people)	34.2a	70.0	
Fixed (wired)-broadband subscriptions (per 100 people)	1.79	3.05	
Households with a computer (%)	1.13	5.00	40.7
Households with Internet access at home (%)			7 7
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		29.1	6.5
Domestic mobile traffic (minutes/subscription/month)	15.3	0.6	
Individuals using the Internet (%)	9.2	14.0	
Quality	0.2	17.0	10.2
Population covered by a mobile-cellular network (%)			. 86
Fixed (wired)-broadband subscriptions (% of total Internet)	73.5	95.0	
International Internet bandwidth (bit/s per Internet user)	5,217	18,337	
Affordability	5,211	10,007	0,500
Fixed-telephone sub-basket (\$ a month)		19.6	5.1
Mobile-cellular sub-basket (\$ a month)		31.0	
Fixed-broadband sub-basket (\$ a month)		49.7	
Trade		45.1	21.0
ICT goods exports (% of total goods exports)	0.0	0.5	5.7
ICT goods exports (% of total goods exports)	5.9	2.4	
ICT service exports (% of total service exports)	12.3	9.8	
Applications	12.3	3.0	43.4
Online service index (0-1, 1=highest presence)	0.41	0.40	0.32
Secure Internet servers (per million people)	257.0	286.8	
oceare internet servers (per minion people)	231.0	200.0	3.0

Benin

Sub-Saharan Africa Low income

	Countr	Country data		Country data		Country data		Country data	Country data	Low- income group
-	2005	2011	2011							
Economic and social context										
Population (millions)	8	9	817							
Urban population (% of total)	41	45	28							
GNI per capita, World Bank Atlas method (\$)	570	780	571							
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.0	3.7	5.8							
Adult literacy rate (% ages 15 and older)	35	42	63							
Gross primary, secondary, tertiary school enrollment (%)	58		. 58							
Sector structure										
Separate telecommunications/ICT regulator	Yes	Yes								
Status of main fixed-line operator	Public	Public								
Level of competition (competition, partial comp., monopoly)										
International gateway(s)		P								
Mobile telephone service	С	C								
Internet service		P								
Foreign ownership (not allowed, restricted, allowed)		Α								
$\label{eq:Reg.} \textit{Reg. treatment of VoIP (banned, closed, no framework, allowed)}$	No	В								
Sector efficiency and capacity										
Telecommunications revenue (% of GDP)	1.4	6.3								
Telecommunications investment (% of revenue)	35.0	15.7								
Sector performance										
Access Fixed-telephone subscriptions (per 100 people)	1.0	1.7	1.1							
Mobile-cellular telephone subscriptions (per 100 people)	7.8	85.3								
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.04								
Households with a computer (%)	1.9	2.5								
Households with Internet access at home (%)										
Usage										
Int'l. voice traffic, total (minutes/subscription/month)	100.0	6.2								
Domestic mobile traffic (minutes/subscription/month)		33.5								
Individuals using the Internet (%)	1.3	3.5								
Quality	1.0	0.0	0.0							
Population covered by a mobile-cellular network (%)	43	99								
Fixed (wired)-broadband subscriptions (% of total Internet)	2.9		0.45							
International Internet bandwidth (bit/s per Internet user)	484	3,407								
Affordability	101	0,101	2,011							
Fixed-telephone sub-basket (\$ a month)		9.0	9.6							
Mobile-cellular sub-basket (\$ a month)		15.5								
Fixed-broadband sub-basket (\$ a month)		50.1								
Trade		00.1	12.0							
ICT goods exports (% of total goods exports)	0.0	0.0								
ICT goods imports (% of total goods imports)	2.9	1.3								
ICT service exports (% of total service exports)	20.1	23.0								
Applications	20.1	23.0	10.0							
Online service index (0-1, 1=highest presence)	0.19	0.20	0.20							
Secure Internet servers (per million people)	0.19	0.20								
מטטנוס ווונפווופנ ספו ייפוס (אפו וווווווטוו אפטאופ)	0.1	0.0	0.0							

Bermuda

	Countr	v data	High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	0.06	0.06	1,135
Urban population (% of total)	100	100	80
GNI per capita, World Bank Atlas method (\$)			39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.3	0.3	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	71	68	94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)		••	
Sector efficiency and capacity	0.0		0.0
Telecommunications revenue (% of GDP)	3.9		2.6
Telecommunications investment (% of revenue)	11.3		15.8
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	81.8	89.0	47.3
Mobile-cellular telephone subscriptions (per 100 people)	82.2	135.8	
Fixed (wired)-broadband subscriptions (per 100 people)	28.83	61.75	
Households with a computer (%)	67.9	90.0	
Households with Internet access at home (%)	62.8a	84.0	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	194.8		184.6
Individuals using the Internet (%)	65.4	88.3	75.8
Quality			
Population covered by a mobile-cellular network (%)	98		100
Fixed (wired)-broadband subscriptions (% of total Internet)	59.8		95.0
International Internet bandwidth (bit/s per Internet user) Affordability	10,555		70,726
Fixed-telephone sub-basket (\$ a month)			23.8
Mobile-cellular sub-basket (\$ a month)			23.9
Fixed-broadband sub-basket (\$ a month)			26.6
Trade			
ICT goods exports (% of total goods exports)			9.6
ICT goods imports (% of total goods imports)		3.4	11.2
ICT service exports (% of total service exports)	37.2	40.9	30.6
Applications			
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	1,713.8	5,030.1	1,067.1

Bhutan

	ower m	iiddle i	ncome
	Countr	v data	Lower middle- income
	2005	2011	group 2011
Economic and social context	2003	2011	2011
Population (millions)	0.66	0.74	2,533
Urban population (% of total)	31	36	,
GNI per capita, World Bank Atlas method (\$)	1,210	2,130	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	7.9	9.0	
Adult literacy rate (% ages 15 and older)	53		7.4
Gross primary, secondary, tertiary school enrollment (%)	54	68	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	С	
Mobile telephone service	M	С	
Internet service	Р	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed) B	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.0	2.6	2.5
Telecommunications investment (% of revenue)	81.1	42.0	29.0
Sector performance Access			
Access Fixed-telephone subscriptions (per 100 people)	5.0	3.7	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	5.5	65.6	80.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	5.5 0.00	65.6 1.79	80.1 1.25
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	5.5 0.00 2.6	65.6 1.79 <i>4.7</i>	80.1 1.25 10.7
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	5.5 0.00	65.6 1.79	80.1 1.25 10.7
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	5.5 0.00 2.6	65.6 1.79 <i>4.7</i>	80.1 1.25 10.7 7.7
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	5.5 0.00 2.6 1.2	65.6 1.79 4.7 2.8	80.1 1.25 10.7 7.7
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	5.5 0.00 2.6 1.2	65.6 1.79 4.7 2.8	80.1 1.25 10.7 7.7 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	5.5 0.00 2.6 1.2	65.6 1.79 4.7 2.8	80.1 1.25 10.7 7.7 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	5.5 0.00 2.6 1.2	65.6 1.79 4.7 2.8	80.1 1.25 10.7 7.7 6.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	5.5 0.00 2.6 1.2 56.1 3.8	65.6 1.79 4.7 2.8 21.0	80.1 1.25 10.7 7.7 6.5 16.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	5.5 0.00 2.6 1.2 56.1 3.8	65.6 1.79 4.7 2.8 21.0	80.1 1.25 10.7 7.7 6.5 16.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	5.5 0.00 2.6 1.2 56.1 3.8	65.6 1.79 4.7 2.8 21.0 100 94.2	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	5.5 0.00 2.6 1.2 56.1 3.8 5 0.0 237	65.6 1.79 4.7 2.8 21.0 100 94.2 2,999	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	5.5 0.00 2.6 1.2 56.1 3.8 5 0.0 237	65.6 1.79 4.7 2.8 21.0 100 94.2 2,999	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	5.5 0.00 2.6 1.2 56.1 3.8 5 0.0 237	65.6 1.79 4.7 2.8 21.0 100 94.2 2,999 3.4 3.6	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	5.5 0.00 2.6 1.2 56.1 3.8 5 0.0 237	65.6 1.79 4.7 2.8 21.0 100 94.2 2,999 3.4 3.6 10.9	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	5.5 0.00 2.6 1.2 56.1 3.8 5 0.0 237	65.6 1.79 4.7 2.8 21.0 100 94.2 2,999 3.4 3.6 10.9	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	5.5 0.00 2.6 1.2 56.1 3.8 5 0.0 237 	65.6 1.79 4.7 2.8 21.0 100 94.2 2,999 3.4 3.6 10.9	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	5.5 0.00 2.6 1.2 56.1 3.8 5 0.0 237 	65.6 1.79 4.7 2.8 21.0 100 94.2 2,999 3.4 3.6 10.9	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with liternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	5.5 0.00 2.6 1.2 56.1 3.8 5 0.0 237 	65.6 1.79 4.7 2.8 21.0 100 94.2 2,999 3.4 3.6 10.9	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6 5.7 6.7 43.4

Bolivia

Latin America & Caribbean	Lower m	iddle i	ncome
			Lower middle-
	Country	y data	income
	2005	2011	2011
Economic and social context			
Population (millions)	9	10	2,533
Urban population (% of total)	64	67	39
GNI per capita, World Bank Atlas method (\$)	1,030	2,020	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.1	4.7	6.2
Adult literacy rate (% ages 15 and older)	91	91	71
Gross primary, secondary, tertiary school enrollment (%)	81	•	63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	R	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) B	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.6	7.0	2.5
Telecommunications investment (% of revenue)	3.8	18.3	29.0
Sector performance Access Fixed-telephone subscriptions (per 100 people)	7.1	8.7	5.6
Mobile-cellular telephone subscriptions (per 100 people)	26.5	82.8	
Fixed (wired)-broadband subscriptions (per 100 people)	0.14	0.65	
Households with a computer (%)	12.1	27.0	
Households with Internet access at home (%)	3.5	9.4	
Usage	0.0	0.1	
Int'l. voice traffic, total (minutes/subscription/month)			6.5
Domestic mobile traffic (minutes/subscription/month)		27.0	
Individuals using the Internet (%)	5.2	30.0	
Quality	0.2	00.0	10.2
Population covered by a mobile-cellular network (%)	46		. 86
Fixed (wired)-broadband subscriptions (% of total Internet)	18.1	56.4	
International Internet bandwidth (bit/s per Internet user)	832 a	4,743	
Affordability	002 0	1,1 10	0,000
Fixed-telephone sub-basket (\$ a month)		23.7	5.1
Mobile-cellular sub-basket (\$ a month)		11.3	
Fixed-broadband sub-basket (\$ a month)		25.5	
Trade		20.0	21.0
ICT goods exports (% of total goods exports)	0.0	0.0	5.7
ICT goods imports (% of total goods imports)	3.9	3.3	
ICT service exports (% of total service exports)	6.6	9.8	
Applications	0.0	5.0	70.4
Online service index (0-1, 1=highest presence)	0.49	0.41	0.32
Secure Internet servers (per million people)	2.4	10.0	
oceare internet servers (per minion people)	2.4	10.0	3.0

Bosnia and Herzegovina

Europe & Central Asia U	pper III	per middle incom			
			Upper		
	Countr		middle- income		
	2005	2011	group 2011		
Economic and social context					
Population (millions)	4	4	2,490		
Urban population (% of total)	45	48	61		
GNI per capita, World Bank Atlas method (\$)	3,020	4,780	6,563		
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.0	2.7	6.3		
Adult literacy rate (% ages 15 and older)	97	98	94		
Gross primary, secondary, tertiary school enrollment (%)	73	72	75		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Public	Mixed			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)					
Mobile telephone service	Р	Р			
Internet service	С	С			
Foreign ownership (not allowed, restricted, allowed)	Α	Α			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	Α			
Sector efficiency and capacity					
			0 -		
Telecommunications revenue (% of GDP)	6.1	3.7	2.7		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	6.1 36.5	24.0			
Telecommunications investment (% of revenue) Sector performance Access	36.5	24.0	17.8		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	36.5 25.6	24.0	20.9		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	36.5 25.6 42.2	24.0 25.5 84.5	20.9 92.4		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	25.6 42.2 0.36	24.0 25.5 84.5 9.71	20.9 92.4 9.96		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	25.6 42.2 0.36 25.2	25.5 84.5 9.71 33.7°	20.9 92.4 9.96		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	25.6 42.2 0.36	24.0 25.5 84.5 9.71	20.9 92.4 9.96		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	25.6 42.2 0.36 25.2	25.5 84.5 9.71 33.7°	20.9 92.4 9.96 35.9 25.5		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	25.6 42.2 0.36 25.2	25.5 84.5 9.71 33.7° 23.0°	20.9 92.4 9.96 35.9 25.5		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	25.6 42.2 0.36 25.2 6.2 ^a	25.5 84.5 9.71 33.7 ² 23.0 ⁹	20.9 92.4 9.96 35.9 25.5		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	25.6 42.2 0.36 25.2 6.2 ^a 	25.5 84.5 9.71 33.7 ³ 23.0 ⁹ 18.9 50.8	20.9 92.4 9.96 35.9 25.5		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	25.6 42.2 0.36 25.2 6.2 ^a 	25.5 84.5 9.71 33.7 ³ 23.0 ⁹ 18.9 50.8	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	25.6 42.2 0.36 25.2 6.2 ^a 36.3 21.3	25.5 84.5 9.71 33.7 ⁴ 23.0 ³ 18.9 50.8 60.0 ³	20.9 92.4 9.96 35.9 25.5 24.6 38.2		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	25.6 42.2 0.36 25.2 6.2 ^a 36.3 21.3	25.5 84.5 9.71 33.7 ³ 23.0 ³ 18.9 50.8 60.0 ³	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	25.6 42.2 0.36 25.2 6.2 ^a 36.3 21.3	25.5 84.5 9.71 33.7 ³ 23.0 ³ 18.9 50.8 60.0 ³	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	25.6 42.2 0.36 25.2 6.2 ^a 36.3 21.3	25.5 84.5 9.71 33.7 ³ 23.0 ³ 18.9 50.8 60.0 ³	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	25.6 42.2 0.36 25.2 6.2 ^a 36.3 21.3 97 7.6 192	25.5 84.5 9.71 33.7° 23.0° 18.9 50.8 60.0° 100 70.7 17,767°	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	36.5 25.6 42.2 0.36 25.2 6.2a 36.3 21.3 97 7.6 192	25.5 84.5 9.71 33.7 ⁴ 23.0 ⁶ 18.9 50.8 60.0 ⁶ 100 70.7 17,767 ⁶ 9.8	20.9 92.4 9.96 35.9 25.5 26.1 144.6 38.2 98 84.6 13,200 10.0 16.0		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	36.5 25.6 42.2 0.36 25.2 6.2a 36.3 21.3 97 7.6 192	24.0 25.5 84.5 9.71 33.7° 23.0° 18.9 50.8 60.0° 100 70.7 17,767° 9.8 15.9	20.9 92.4 9.96 35.9 25.5 26.1 144.6 38.2 98 84.6 13,200 10.0 16.0		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	36.5 25.6 42.2 0.36 25.2 6.2a 36.3 21.3 97 7.6 192	24.0 25.5 84.5 9.71 33.7° 23.0° 18.9 50.8 60.0° 100 70.7 17,767° 9.8 15.9	20.9 92.4 9.96 35.5 25.5 26.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	36.5 25.6 42.2 0.36 25.2 6.2 36.3 21.3 97 7.6 192	25.5 84.5 9.71 33.7° 23.0° 18.9 50.8 60.0° 100 70.7 17,767° 9.8 15.9 7.9	17.8 20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	36.5 25.6 42.2 0.36 25.2 6.2a 36.3 21.3 97 7.6 192 0.3	25.5 84.5 9.71 33.7 ⁴ 23.0 ⁶ 18.9 50.8 60.0 ⁶ 100 70.7 17,767 ⁶ 9.8 15.9 7.9	17.8 20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	36.5 25.6 42.2 0.36 25.2 6.2a 36.3 21.3 97 7.6 192 0.3 4.2	25.5 84.5 9.71 33.7 ⁴ 23.0 ⁶ 18.9 50.8 60.0 ⁶ 100 70.7 17,767 ⁴ 9.8 15.9 7.9	17.8 20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2 13.9		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	36.5 25.6 42.2 0.36 25.2 6.2a 36.3 21.3 97 7.6 192 0.3 4.2	25.5 84.5 9.71 33.7 ⁴ 23.0 ⁶ 18.9 50.8 60.0 ⁶ 100 70.7 17,767 ⁴ 9.8 15.9 7.9	25.5 2.6 144.6		

Botswana

Sub-Saharan Africa U	pper III	ncome	
			Upper middle-
	Countr	y data	income group
•	2005	2011	2011
Economic and social context			
Population (millions)	2	2	2,490
Urban population (% of total)	57	62	61
GNI per capita, World Bank Atlas method (\$)	5,070	7,470	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.8	2.8	6.3
Adult literacy rate (% ages 15 and older)	81	84	94
Gross primary, secondary, tertiary school enrollment (%)	72		75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	Α	
Sector efficiency and capacity			
	3.1	2.5	2.7
Telecommunications revenue (% of GDP)	3.1	2.5	2.1
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	48.9	122.2	
Telecommunications investment (% of revenue) Sector performance			
Telecommunications investment (% of revenue) Sector performance Access	48.9	122.2	17.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	7.3	7.4	20.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	7.3 30.1	7.4 142.8	20.9 92.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	7.3 30.1 0.09	7.4 142.8 0.77	20.9 92.4 9.96
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	7.3 30.1 0.09 4.5	7.4 142.8 0.77 6.5	20.9 92.4 9.96 35.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	7.3 30.1 0.09	7.4 142.8 0.77	20.9 92.4 9.96 35.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	7.3 30.1 0.09 4.5	7.4 142.8 0.77 6.5	20.9 92.4 9.96 35.9 25.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	7.3 30.1 0.09 4.5 1.2	7.4 142.8 0.77 6.5 2.0	20.9 92.4 9.96 35.9 25.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	7.3 30.1 0.09 4.5	7.4 142.8 0.77 6.5	20.9 92.4 9.96 35.9 25.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	7.3 30.1 0.09 4.5 1.2	7.4 142.8 0.77 6.5 2.0	20.9 92.4 9.96 35.9 25.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	7.3 30.1 0.09 4.5 1.2	7.4 142.8 0.77 6.5 2.0	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	7.3 30.1 0.09 4.5 1.2 45.5 3.3ª	7.4 142.8 0.77 6.5 2.0 22.8 7.0	20.9 92.4 9.96 3 35.9 25.5 2.6 144.6 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	7.3 30.1 0.09 4.5 1.2 45.5 3.3 ^a 99	7.4 142.8 0.77 6.5 2.0 22.8 7.0 96 100.0	20.9 92.4 9.96 3 35.9 25.5 2.6 144.6 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	7.3 30.1 0.09 4.5 1.2 45.5 3.3ª 99	7.4 142.8 0.77 6.5 2.0 22.8 7.0 96 100.0	20.9 92.4 9.96 3 35.9 25.5 2.6 144.6 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	7.3 30.1 0.09 4.5 1.2 45.5 3.3ª 99	7.4 142.8 0.77 6.5 2.0 22.8 7.0 96 100.0	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	7.3 30.1 0.09 4.5 1.2 45.5 3.3ª 99 	7.4 142.8 0.77 6.55 2.0 22.8 7.0 96 100.0 8,442	20.9 92.4 9.96 35.5 25.5 26 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	7.3 30.1 0.09 4.5 1.2 45.5 3.3ª 99 490	7.4 142.8 0.77 6.5 2.0 22.8 7.0 96 100.0 8,442	20.9 92.4 9.96 35.5 25.5 26 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	7.3 30.1 0.09 4.5 1.2 45.5 3.3 ^a 99 	7.4 142.8 0.77 6.5 2.0 22.8 7.0 96 100.0 8,442 17.2 13.2	20.9 92.4 9.96 35.5 25.5 26 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	7.3 30.1 0.09 4.5 1.2 45.5 3.3 ^a 99 	7.4 142.8 0.77 6.5 2.0 22.8 7.0 96 100.0 8,442 17.2 13.2	20.9 92.4 9.96 35.5 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	7.3 30.1 0.09 4.5 1.2 45.5 3.3ª 99 490	7.4 142.8 0.77 6.5 2.0 22.8 7.0 96 100.0 8,442 17.2 13.2 29.7	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	7.3 30.1 0.09 4.5 1.2 45.5 3.3ª 99 490	7.4 142.8 0.77 6.5 2.0 22.8 7.0 96 100.0 8,442 17.2 13.2 29.7 0.1	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	48.9 7.3 30.1 0.09 4.5 1.2 45.5 3.3a 99 490 0.2 4.7	7.4 142.8 0.77 6.5 2.0 22.8 7.0 96 100.0 8,442 17.2 13.2 29.7 0.1 2.5	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT service exports (% of total service exports)	48.9 7.3 30.1 0.09 4.5 1.2 45.5 3.3a 99 490 0.2 4.7	7.4 142.8 0.77 6.5 2.0 22.8 7.0 96 100.0 8,442 17.2 13.2 29.7 0.1 2.5	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2 13.9 13.5 28.3

Brazil

	Jpper m	niddle i	ncome
	Countr	ny data	Upper middle- income
	2005	2011	group 2011
Economic and social context	2000		
Population (millions)	186	197	2.490
Urban population (% of total)	83	85	61
GNI per capita, World Bank Atlas method (\$)	3,960	10,720	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.8	4.2	6.3
Adult literacy rate (% ages 15 and older)	90	90	94
Gross primary, secondary, tertiary school enrollment (%)	87		75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)) A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.2	3.0	
Telecommunications investment (% of revenue)	17.4	13.4	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	21.4	21.9	20.9
Mobile-cellular telephone subscriptions (per 100 people)	46.4	124.3	
Fixed (wired)-broadband subscriptions (per 100 people)	1.74	8.59	
Households with a computer (%)	18.5	45.4	
Households with Internet access at home (%) Usage	13.6	37.8	25.5
Int'l. voice traffic, total (minutes/subscription/month)		0.2	2.6
Domestic mobile traffic (minutes/subscription/month)	30.9	54.9	
Individuals using the Internet (%)	21.0	45.0	
Quality			
Population covered by a mobile-cellular network (%)	88	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	74.1	73.7	84.6
International Internet bandwidth (bit/s per Internet user) Affordability	716	28,024	13,200
•		23.0	10.0
rixeo-reieonone SID-DASKELOS A MODUM		57.2	
Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)			
Mobile-cellular sub-basket (\$ a month)		16.9	18 /
		16.9	18.2
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	3.1	16.9	
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)			13.9
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	3.1	0.7	13.9 13.5
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	3.1 12.1	0.7 8.8	13.9 13.5
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	3.1 12.1	0.7 8.8	13.9 13.5 28.3

Brunei Darussalam

	Count	Country data		ountry data		untry data inco	High- income group
	2005	2011	2011				
Economic and social context							
Population (millions)	0.36	0.41	1,135				
Urban population (% of total)	74	76	,				
GNI per capita, World Bank Atlas method (\$)	23,210	31,800	39,860				
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.2	0.4	0.7				
Adult literacy rate (% ages 15 and older)	93	95	98				
Gross primary, secondary, tertiary school enrollment (%)	84	84	94				
Sector structure							
Separate telecommunications/ICT regulator	Yes	Yes					
Status of main fixed-line operator	Public	Public					
Level of competition (competition, partial comp., monopoly)							
International gateway(s)	Р	P					
Mobile telephone service	М	М					
Internet service	Р	P					
Foreign ownership (not allowed, restricted, allowed)	R	R					
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α					
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)			2.6				
Telecommunications investment (% of revenue)			15.8				
Sector performance							
Access							
Fixed-telephone subscriptions (per 100 people)	23.1	19.7					
Mobile-cellular telephone subscriptions (per 100 people)	64.1	109.2					
Fixed (wired)-broadband subscriptions (per 100 people)	2.24	5.71					
Households with a computer (%)		79.6					
Households with Internet access at home (%)		65.0	74.3				
Usage							
Int'l. voice traffic, total (minutes/subscription/month)							
Domestic mobile traffic (minutes/subscription/month)			184.6				
Individuals using the Internet (%)	36.5	56.0	^a 75.8				
Quality							
Population covered by a mobile-cellular network (%)							
Fixed (wired)-broadband subscriptions (% of total Internet)	45.2	84.5					
International Internet bandwidth (bit/s per Internet user) Affordability	4,191	21,995	70,726				
Fixed-telephone sub-basket (\$ a month)		11.7	23.8				
Mobile-cellular sub-basket (\$ a month)		18.3	23.9				
Fixed-broadband sub-basket (\$ a month)		48.3	26.6				
Trade							
ICT goods exports (% of total goods exports)	0.1		9.6				
ICT goods imports (% of total goods imports)	6.1		11.2				
ICT service exports (% of total service exports)	17.0	21.4	30.6				
Applications							
Online service index (0-1, 1=highest presence)	0.47	0.59	0.67				
Secure Internet servers (per million people)	13.8	116.3	1,067.1				

Bulgaria

Europe & Central Asia	Jpper m	per middle inc	
	Countr	v data	Upper middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	8	7	2,490
Urban population (% of total)	70	73	,
GNI per capita, World Bank Atlas method (\$)	3,640	6,640	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.5	2.1	
Adult literacy rate (% ages 15 and older)	98	98	94
Gross primary, secondary, tertiary school enrollment (%)	76	80	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	Р	P	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.0	3.1	2.7
Telecommunications investment (% of revenue)	34.5	30.5	17.8
Sector performance Access	32.2	31.6	20.9
Fixed-telephone subscriptions (per 100 people)	32.2 80.7	140.7	
Mobile-cellular telephone subscriptions (per 100 people)	2.14	16.45	
Fixed (wired)-broadband subscriptions (per 100 people)			
Households with Internet access at home (%)	17.9a	46.8 45.0	
Households with Internet access at home (%) Usage	13.3ª	43.0	20.0
Int'l. voice traffic, total (minutes/subscription/month)	5.9	7.5	2.6
Domestic mobile traffic (minutes/subscription/month)	37.8	114.7	144.6
Individuals using the Internet (%)	20.0	51.0	38.2
Quality			
Population covered by a mobile-cellular network (%)	100	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	80.0	99.7	84.6
International Internet bandwidth (bit/s per Internet user) Affordability	881	70,572	13,200
Fixed-telephone sub-basket (\$ a month)		11.3	10.0
Mobile-cellular sub-basket (\$ a month)		32.9	
Fixed-broadband sub-basket (\$ a month)		13.4	
Trade	•	20.1	20.2
ICT goods exports (% of total goods exports)	1.5	2.1	13.9
ICT goods imports (% of total goods imports)	5.5	5.6	
ICT service exports (% of total service exports)	12.5	20.2	
Applications	12.0		_5.0
Online service index (0-1, 1=highest presence)	0.57	0.49	0.46
Secure Internet servers (per million people)	8.7	167.3	
oceane internet servers (per minion people)	0.1	101.3	13.

Burkina Faso

Sub-Saharan Africa Low income

	Countr	Country data	
-	2005	2011	group 2011
Economic and social context			
Population (millions)	14	17	817
Urban population (% of total)	22	27	28
GNI per capita, World Bank Atlas method (\$)	390	580	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.4	5.1	5.8
Adult literacy rate (% ages 15 and older)	24		63
Gross primary, secondary, tertiary school enrollment (%)	28	41	58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	М	Р	
Mobile telephone service	С	Р	
Internet service	С	Р	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5		
Telecommunications investment (% of revenue)	55.8		
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.6	0.8	1.1
Mobile-cellular telephone subscriptions (per 100 people)	4.5	45.3	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.08	0.12
Households with a computer (%)	1.4	2.1	a
Households with Internet access at home (%)	0.0	2.0	a
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	27.7	28.4	86.3
Individuals using the Internet (%)	0.5	3.0	a 6.0
Quality			
Population covered by a mobile-cellular network (%)	26		
Fixed (wired)-broadband subscriptions (% of total Internet)	4.6	45.1	24.5
International Internet bandwidth (bit/s per Internet user)	1,079	2,183	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)		13.9	9.6
Mobile-cellular sub-basket (\$ a month)		11.6	11.9
Fixed-broadband sub-basket (\$ a month)		52.0	42.8
Trade			
ICT goods exports (% of total goods exports)	0.2	0.0	
ICT goods imports (% of total goods imports)	4.5	3.2	
ICT service exports (% of total service exports)	8.9	21.1	
Applications			
Online service index (0-1, 1=highest presence)	0.15	0.29	0.20
Secure Internet servers (per million people)	0.1	0.5	
(F1	V.1	0.0	0.0

Burundi

Sub-Saharan Africa Low income

	Countr	Country data		Country data		Country data		Country data	Low- income group
-	2005	2011	2011						
Economic and social context									
Population (millions)	7	9	817						
Urban population (% of total)	9	11	28						
GNI per capita, World Bank Atlas method (\$)	140	250	571						
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.2	4.4	5.8						
Adult literacy rate (% ages 15 and older)	59	67	63						
Gross primary, secondary, tertiary school enrollment (%)	39	64	58						
Sector structure									
Separate telecommunications/ICT regulator	Yes	No							
Status of main fixed-line operator	Public	Public							
Level of competition (competition, partial comp., monopoly)									
International gateway(s)		C							
Mobile telephone service	С	C							
Internet service	С	C							
Foreign ownership (not allowed, restricted, allowed)	Α	Α							
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В							
Sector efficiency and capacity									
Telecommunications revenue (% of GDP)		2.2							
Telecommunications investment (% of revenue)									
Sector performance									
Access									
Fixed-telephone subscriptions (per 100 people)	0.4a	0.3							
Mobile-cellular telephone subscriptions (per 100 people)	2.1	22.3							
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00							
Households with a computer (%)		2.6							
Households with Internet access at home (%)		2.7							
Usage									
Int'l. voice traffic, total (minutes/subscription/month)									
Domestic mobile traffic (minutes/subscription/month)		4.0							
Individuals using the Internet (%) Quality	0.5	1.1	a 6.0						
Population covered by a mobile-cellular network (%)	82	83							
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	0.9							
International Internet bandwidth (bit/s per Internet user)	102a	1,891							
Affordability		,	,-						
Fixed-telephone sub-basket (\$ a month)			9.6						
Mobile-cellular sub-basket (\$ a month)			11.9						
Fixed-broadband sub-basket (\$ a month)			42.8						
Trade									
ICT goods exports (% of total goods exports)	0.1	0.4							
ICT goods imports (% of total goods imports)	5.6	5.8							
ICT service exports (% of total service exports)		3.5	18.6						
Applications									
Online service index (0-1, 1=highest presence)	0.18	0.15	0.20						
Secure Internet servers (per million people)	0.1	0.3	0.8						

Cambodia

East Asia & Pacific Low income

	Country	Country data		Country data		Country data	
-	2005	2011	group 2011				
Economic and social context							
Population (millions)	13	14	817				
Urban population (% of total)	19	20	28				
GNI per capita, World Bank Atlas method (\$)	460	820	571				
GDP growth, 2000-05 and 2005-11 (avg. annual %)	9.1	6.2	5.8				
Adult literacy rate (% ages 15 and older)	74	74	63				
Gross primary, secondary, tertiary school enrollment (%)	60	64	58				
Sector structure							
Separate telecommunications/ICT regulator	No	No					
Status of main fixed-line operator	Public	Public					
Level of competition (competition, partial comp., monopoly)							
International gateway(s)		C					
Mobile telephone service	Р	C					
Internet service	Р	C					
Foreign ownership (not allowed, restricted, allowed)	R	Α					
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	А					
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)	0.4	5.5					
Telecommunications investment (% of revenue)		69.8					
Sector performance							
Access		0.7					
Fixed-telephone subscriptions (per 100 people)	0.2	3.7					
Mobile-cellular telephone subscriptions (per 100 people)	8.0	96.2					
Fixed (wired)-broadband subscriptions (per 100 people)	0.01a	0.15					
Households with a computer (%)	1.4	4.3					
Households with Internet access at home (%)		0.2					
Usage							
Int'l. voice traffic, total (minutes/subscription/month)							
Domestic mobile traffic (minutes/subscription/month)	11.1						
Individuals using the Internet (%) Quality	0.3	3.1	a 6.0				
Population covered by a mobile-cellular network (%)	75	99					
Fixed (wired)-broadband subscriptions (% of total Internet)	11.7	46.8	24.5				
International Internet bandwidth (bit/s per Internet user)	425a	13,530	2,941				
Affordability							
Fixed-telephone sub-basket (\$ a month)		7.9					
Mobile-cellular sub-basket (\$ a month)		7.6					
Fixed-broadband sub-basket (\$ a month)		30.0	42.8				
Trade							
ICT goods exports (% of total goods exports)	0.0	0.0					
ICT goods imports (% of total goods imports)	2.3	2.1					
ICT service exports (% of total service exports) Applications	6.5	7.8	18.6				
Online service index (0-1, 1=highest presence)	0.30	0.19	0.20				
Secure Internet servers (per million people)	0.1	3.0	0.8				

Cameroon

Sub-Saharan Africa	Lower m	wer middle inc	
	Countr	rv data	Lower middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	18	20	2,533
Urban population (% of total)	49	52	,
GNI per capita, World Bank Atlas method (\$)	930	1,210	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.8	2.9	6.2
Adult literacy rate (% ages 15 and older)	71		7:
Gross primary, secondary, tertiary school enrollment (%)	53	67	63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allower	d) B	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	3.8	2.5
Telecommunications investment (% of revenue)	28.3		29.0
Sector performance Access			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	0.6	3.3	5.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	0.6 12.8	3.3 52.4	5.0 80.:
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.6 12.8 0.00	3.3 52.4 0.01	5.0 80.: a 1.25
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	0.6 12.8 0.00 4.1	3.3 52.4 0.01 5.4	5.0 80.1 a 1.25 a 10.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	0.6 12.8 0.00	3.3 52.4 0.01	5.6 80.1 a 1.25 a 10.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	0.6 12.8 0.00 4.1 1.2	3.3 52.4 0.01 5.4 1.3	5.0 80.1 a 1.2! a 10.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	0.6 12.8 0.00 4.1	3.3 52.4 0.01 5.4	5.0 80.1 80.1 1.20 7.1 6.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	0.6 12.8 0.00 4.1 1.2	3.3 52.4 0.01 5.4 1.3	5.6 80.1 80.2 10.7 7.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	0.6 12.8 0.00 4.1 1.2	3.3 52.4 0.01 5.4 1.3 5.1 7.0	5.6 80.1 80.2 10.7 7.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	0.6 12.8 0.00 4.1 1.2	3.3 52.4 0.01 5.4 1.3 5.1 7.0 5.0	5.0 80.1 20.1 7.1 6.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	0.6 12.8 0.00 4.1 1.2 1.6 1.4	3.3 52.4 0.01 5.4 1.3 5.1 7.0	5.0 80 80 1.29 10 7 6.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	0.6 12.8 0.00 4.1 1.2 1.6 1.4	3.3 52.4 0.01 5.4 1.3 5.1 7.0 5.0	5.0 80.1 80.1 1.29 a 10.1 7.1 6.3 a 16.2 80 58.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	0.6 12.8 0.00 4.1 1.2 1.6 1.4	3.3 52.4 0.01 5.4 1.3 5.1 7.0 5.0	5.6 80.1 80.2 3 10.7 7.7 6.5 3 16.2 86 58.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	0.6 12.8 0.00 4.1 1.2 1.6 1.4	3.3 52.4 0.01 5.4 1.3 5.1 7.0 5.0	5.6 80.1 80.1 3 10.1 7.7 6.5 86 58.6 6,560
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	0.6 12.8 0.00 4.1 1.2 1.6 1.4 54 1.3 630	3.3 52.4 0.01 5.4 1.3 5.1 7.0 5.0	5.6 80.1 80.1 7.7 6.5 86 58.8 6,560
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	0.6 12.8 0.00 4.1 1.2 1.6 1.4 54 1.3 630	3.3 52.4 0.01 5.4 1.3 5.1 7.0 5.0 322	5.6 80.1 80.1 10.7 7.7 6.5 86 58.8 6,560
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	0.6 12.8 0.00 4.1 1.2 1.6 1.4 54 1.3 630	3.3 52.4 0.01 5.4 1.3 5.1 7.0 5.0 322 17.9 18.8	5.6 80.1 80.1 10.7 7.7 6.5 86 58.8 6,560
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	0.6 12.8 0.00 4.1 1.2 1.6 1.4 54 1.3 630	3.3 52.4 0.01 5.4 1.3 5.1 7.0 5.0 322 17.9 18.8	5.6 80.1 80.1 10.7 7.7 6.8 86 58.8 6,560 5.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	0.6 12.8 0.00 4.1 1.2 1.6 1.4 54 1.3 630	3.3 52.4 0.01 5.4 1.3 5.1 7.0 5.0 322 17.9 18.8 58.1	5.6 80.1 80.1 10.7 7.7 6.8 86 58.8 6,560 51.3 21.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	0.6 12.8 0.00 4.1 1.2 1.6 1.4 54 1.3 630	3.3 52.4 0.01 5.4 1.3 5.1 7.0 5.0 322 17.9 18.8 58.1	5.6 80.2 81.25 8 10.2 7.7 6.5 86 58.8 6,560 5.1 21.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	0.6 12.8 0.00 4.1 1.2 1.6 1.4 54 1.3 630 0.0 3.3	3.3 52.4 0.011 5.4 1.3 5.1 7.0 5.0 322 17.9 18.8 58.1	5.6 80.2 81.25 8 10.2 7.7 6.5 86 58.8 6,560 5.1 21.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	0.6 12.8 0.00 4.1 1.2 1.6 1.4 54 1.3 630 0.0 3.3	3.3 52.4 0.011 5.4 1.3 5.1 7.0 5.0 322 17.9 18.8 58.1	5.6 80.1 80.1 10.1 6.8 6.5 6,5 60 5.1 11.6 5.1 6.1 43.4

Canada

	Countr	Country data		Country data	
	2005	2011	group 2011		
Economic and social context					
Population (millions)	32	34	1,135		
Urban population (% of total)	80	81	80		
GNI per capita, World Bank Atlas method (\$)	33,110	45,550	39,860		
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.5	1.1	0.7		
Adult literacy rate (% ages 15 and older)			98		
Gross primary, secondary, tertiary school enrollment (%)			94		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Public	Private			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	С	С			
Mobile telephone service	С	С			
Internet service	С	С			
Foreign ownership (not allowed, restricted, allowed)	R	R			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	2.5	2.5	2.6		
Telecommunications investment (% of revenue)	16.2	22.0	15.8		
Sector performance Access Fixed-telephone subscriptions (per 100 people)	56.2	53.0	47.3		
Mobile-cellular telephone subscriptions (per 100 people)	52.7	79.7			
Fixed (wired)-broadband subscriptions (per 100 people)	21.70	31.83			
Households with a computer (%)	78.4	83.9			
Households with Internet access at home (%)	64.3	78.9			
	04.5	10.9	14.3		
Usage Int'l. voice traffic, total (minutes/subscription/month)					
		246.4			
Domestic mobile traffic (minutes/subscription/month)	 71.7	346.4			
Individuals using the Internet (%) Quality	/1./	83.0	^a 75.8		
Population covered by a mobile-cellular network (%)	97	99	100		
Fixed (wired)-broadband subscriptions (% of total Internet)	78.9	97.2	95.0		
International Internet bandwidth (bit/s per Internet user)	9,403a	70,150	a 70,726		
Affordability	,	,	,		
Fixed-telephone sub-basket (\$ a month)		27.3	23.8		
Mobile-cellular sub-basket (\$ a month)		45.0	23.9		
Fixed-broadband sub-basket (\$ a month)		29.5			
Trade					
ICT goods exports (% of total goods exports)	3.9	2.5	9.6		
ICT goods imports (% of total goods imports)	9.1	8.0			
ICT service exports (% of total service exports)	39.3	42.3			
Applications	-0.0	.2.0	00.0		
Online service index (0-1, 1=highest presence)	0.82	0.89	0.67		
Secure Internet servers (per million people)	569.1	1,277.2			
(F1		_,	_,		

Cape Verde

Sub-Saharan Africa	Lower m	wer middle income			
	0		Lower middle- income		
	Countr		group		
	2005	2011	2011		
Economic and social context	0.47	0.50	0.500		
Population (millions)	0.47	0.50	,		
Urban population (% of total)	58	63			
GNI per capita, World Bank Atlas method (\$)	2,080	3,540	,		
GDP growth, 2000–05 and 2005–11 (avg. annual %)	5.2 80	6.2 84			
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	72	76			
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	М	С			
Mobile telephone service	С	C			
Internet service	С	С			
Foreign ownership (not allowed, restricted, allowed)	R	A			
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) B	A			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	7.5	8.3	2.5		
Telecommunications investment (% of revenue)	19.1	32.4	29.0		
Sector performance					
Access					
Fixed-telephone subscriptions (per 100 people)	15.1	14.9	5.6		
Mobile-cellular telephone subscriptions (per 100 people)	17.3	79.2			
Fixed (wired)-broadband subscriptions (per 100 people)	0.20	4.34	1.25		
Households with a computer (%)		11.3	a 10.7		
Households with Internet access at home (%) Usage		2.5	7.7		
Int'l. voice traffic, total (minutes/subscription/month)	33.8	17.9	6.5		
Domestic mobile traffic (minutes/subscription/month)	46.6	74.1			
Individuals using the Internet (%)	6.1	32.0			
Quality					
Population covered by a mobile-cellular network (%)	85	96	86		
Fixed (wired)-broadband subscriptions (% of total Internet)	14.4	100.0	58.8		
International Internet bandwidth (bit/s per Internet user) Affordability	487	5,806			
Fixed-telephone sub-basket (\$ a month)		8.3	5.1		
Mobile-cellular sub-basket (\$ a month)		31.7			
Fixed-broadband sub-basket (\$ a month)		11.8			
Trade	••	11.0	21.0		
ICT goods exports (% of total goods exports)	0.5		5.7		
ICT goods imports (% of total goods imports)	3.9	3.3			
ICT service exports (% of total service exports)	7.8	5.4			
Applications	1.0	5.4	43.4		
Online service index (0-1, 1=highest presence)	0.42	0.44	0.32		
Secure Internet servers (per million people)	2.1	23.7			
	2.1	23.1	٥.:		

Cayman Islands

	Countr	y data	High- income
-	2005	2011	group 2011
Economic and social context			
Population (millions)	0.05	0.06	1,135
Urban population (% of total)	100	100	80
GNI per capita, World Bank Atlas method (\$)			39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)			0.7
Adult literacy rate (% ages 15 and older)	99		98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			15.8
Sector performance Access Event telephone subscriptions (per 100 people)	72.7a	65.6	47.3
Fixed-telephone subscriptions (per 100 people)	154.9	167.7	
Mobile-cellular telephone subscriptions (per 100 people)		33.17	
Fixed (wired)-broadband subscriptions (per 100 people)	 54.8	71.3	
Households with Interest access at home (%)			
Households with Internet access at home (%)		64.5	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			 184.6
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	38.0	 69.5	
Quality	36.0	09.5	13.6
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)			95.0
International Internet bandwidth (bit/s per Internet user)			70,726
Affordability			10,120
Fixed-telephone sub-basket (\$ a month)			23.8
Mobile-cellular sub-basket (\$ a month)			23.9
Fixed-broadband sub-basket (\$ a month)			26.6
Trade			2010
ICT goods exports (% of total goods exports)			9.6
ICT goods imports (% of total goods imports)			11.2
ICT service exports (% of total service exports)			30.6
Applications			55.0
Online service index (0–1, 1=highest presence)			0.67
Secure Internet servers (per million people)	784.4	2,603.8	
/Factorial (Factorial Factorial)		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,

Central African Republic

Sub-Saharan Africa Low income

	Count	ry data	Low- income group
-	2005	2011	2011
Economic and social context			
Population (millions)	4	4	817
Urban population (% of total)	38	39	28
GNI per capita, World Bank Atlas method (\$)	340	480	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-1.4	2.7	5.8
Adult literacy rate (% ages 15 and older)	51	56	63
Gross primary, secondary, tertiary school enrollment (%)		43	58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	C	
Internet service	С		
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)		А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.1	2.9	
Telecommunications investment (% of revenue)		46.3	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.2 2.5 0.00	0.1 40.6 0.00	41.7
Households with a computer (%)			
Households with Internet access at home (%)			
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		15.0	
Domestic mobile traffic (minutes/subscription/month)	0.3	15.3	
Individuals using the Internet (%) Quality	0.3	2.2	a 6.0
Population covered by a mobile-cellular network (%)	19	56	
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	0.0	24.5
International Internet bandwidth (bit/s per Internet user)	143	203	a 2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)		10.1	9.6
Mobile-cellular sub-basket (\$ a month)		12.9	11.9
Fixed-broadband sub-basket (\$ a month)		1,329.5	42.8
Trade			
ICT goods exports (% of total goods exports)	0.0	0.2	
ICT goods imports (% of total goods imports)	2.4	5.9	
ICT service exports (% of total service exports)			18.6
Applications			
Online service index (0-1, 1=highest presence)	0.14	0.00	0.20
Secure Internet servers (per million people)	0.2	0.2	0.8
,			

Low-

	Countr	y data	income group
•	2005	2011	2011
Economic and social context			
Population (millions)	10	12	817
Urban population (% of total)	22	22	28
GNI per capita, World Bank Atlas method (\$)	430	720	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	17.2	2.1	5.8
Adult literacy rate (% ages 15 and older)	28	34	63
Gross primary, secondary, tertiary school enrollment (%)	38	51	58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly) International gateway(s)			
Mobile telephone service	C		
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)		2.3	
Telecommunications investment (% of revenue)			
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.1	0.3	
Mobile-cellular telephone subscriptions (per 100 people)	2.1	31.8	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	
Households with a computer (%)		0.4	
Households with Internet access at home (%)		0.1	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%) Quality	0.4	1.9	a 6.0
Population covered by a mobile-cellular network (%)	24	75	
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	6.4	24.5
International Internet bandwidth (bit/s per Internet user)	90	228	2,941
Affordability Fixed-telephone sub-basket (\$ a month)		16.7	9.6
Mobile-cellular sub-basket (\$ a month)		15.4	
Fixed-broadband sub-basket (\$ a month)		11.8	
Trade		11.0	42.0
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			40.0
Applications			10.0
Online service index (0-1, 1=highest presence)	0.10	0.10	0.20
Secure Internet servers (per million people)		0.10	
Table 1 miles (por miles poople)			3.0

Channel Islands

	Counti	rv data	High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	0.15	0.15	1,135
Urban population (% of total)	31	31	,
GNI per capita, World Bank Atlas method (\$)	57,380		
GDP growth, 2000–05 and 2005–11 (avg. annual %)	-1.2		. 0 7
Adult literacy rate (% ages 15 and older)			00
Gross primary, secondary, tertiary school enrollment (%)			0.4
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			15.8
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)			47.3
Mobile-cellular telephone subscriptions (per 100 people)			
Fixed (wired)-broadband subscriptions (per 100 people)			07.00
Households with a computer (%)			77.0
Households with Internet access at home (%)			740
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			184.6
Individuals using the Internet (%)			75.8
Quality			
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			95.0
International Internet bandwidth (bit/s per Internet user)			70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)			23.8
Mobile-cellular sub-basket (\$ a month)			23.9
Fixed-broadband sub-basket (\$ a month)			26.6
Trade			
ICT goods exports (% of total goods exports)			9.6
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports) Applications			30.6
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)			1,067.1
occure internet servers (per million people)			1,001.1



Latin America & Caribbean U	phet III	iddle ir	icome
	0		Upper middle- income
	Countr 2005	2011	group 2011
Economic and social context	2005	2011	2011
Population (millions)	16	17	2,490
Urban population (% of total)	88	89	61
GNI per capita, <i>World Bank Atla</i> s method (\$)	6,260	12,280	6,563
GDP growth, 2000–05 and 2005–11 (avg. annual %)	4.2	3.6	6.3
Adult literacy rate (% ages 15 and older)	96	99	94
Gross primary, secondary, tertiary school enrollment (%)	83	86	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.7
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)			2.7 17.8
Felecommunications investment (% of revenue) Sector performance			
Felecommunications investment (% of revenue) Sector performance Access			17.8
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	21.1	19.5	20.9
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	21.1 64.8	19.5 129.7	20.9 92.4
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	21.1 64.8 4.35	19.5 129.7 11.60	20.9 92.4 9.96
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	21.1 64.8 4.35 30.1 ^a	19.5 129.7 11.60 46.8	20.9 92.4 9.96 35.9
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	21.1 64.8 4.35	19.5 129.7 11.60	20.9 92.4 9.96 35.9
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	21.1 64.8 4.35 30.1 ^a	19.5 129.7 11.60 46.8	20.9 92.4 9.96 35.9
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	21.1 64.8 4.35 30.1 ^a 16.7 ^a	19.5 129.7 11.60 46.8° 35.0°	20.9 92.4 9.96 35.9 25.5
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month)	21.1 64.8 4.35 30.1 ^a 16.7 ^a	19.5 129.7 11.60 46.8° 35.0°	20.9 92.4 9.96 35.9 25.5 2.6 144.6
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	21.1 64.8 4.35 30.1 ^a 16.7 ^a 3.7 55.9	19.5 129.7 11.60 46.8° 35.0° 1.9 91.5	20.9 92.4 9.96 35.9 25.5 2.6 144.6
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	21.1 64.8 4.35 30.1 ^a 16.7 ^a 3.7 55.9	19.5 129.7 11.60 46.8° 35.0° 1.9 91.5	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	21.1 64.8 4.35 30.1a 16.7a 3.7 55.9 31.2a	19.5 129.7 11.60 46.8° 35.0° 1.9 91.5 53.9°	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	21.1 64.8 4.35 30.1a 16.7a 3.7 55.9 31.2a	19.5 129.7 11.60 46.8° 35.0° 1.9 91.5 53.9°	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	21.1 64.8 4.35 30.1 ^a 16.7 ^a 3.7 55.9 31.2 ^a 100 78.2	19.5 129.7 11.60 46.8° 35.0° 1.9 91.5 53.9°	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) international Internet bandwidth (bit/s per Internet user)	21.1 64.8 4.35 30.1 ^a 16.7 ^a 3.7 55.9 31.2 ^a 100 78.2	19.5 129.7 11.60 46.8° 35.0° 1.9 91.5 53.9°	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	21.1 64.8 4.35 30.1a 16.7a 3.7 55.9 31.2a 100 78.2 2,500a	19.5 129.7 11.60 46.8° 35.0° 1.9 91.5 53.9° 100 98.9 20,414°	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) ndividuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	21.1 64.8 4.35 30.1 ^a 16.7 ^a 3.7 55.9 31.2 ^a 100 78.2 2,500 ^a	19.5 129.7 11.60 46.8° 35.0° 1.9 91.5 53.9° 100 98.9 20,414° 26.6	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0
Fixed telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with liternet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	21.1 64.8 4.35 30.1 ^a 16.7 ^a 3.7 55.9 31.2 ^a 100 78.2 2,500 ^a	19.5 129.7 11.60 46.8° 35.0° 1.9 91.5 53.9° 100 98.9 20,414° 26.6 23.7	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) ndividuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	21.1 64.8 4.35 30.1 ^a 16.7 ^a 3.7 55.9 31.2 ^a 100 78.2 2,500 ^a	19.5 129.7 11.60 46.8° 35.0° 1.9 91.5 53.9° 100 98.9 20,414° 26.6 23.7	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) ndividuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	21.1 64.8 4.35 30.1 ^a 16.7 ^a 3.7 55.9 31.2 ^a 100 78.2 2,500 ^a	19.5 129.7 11.60 46.8° 35.0° 1.9 91.5 53.9° 100 98.9 20,414° 26.6 23.7 19.7	17.8 20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade CT goods exports (% of total goods exports)	21.1 64.8 4.35 30.1 ^a 16.7 ^a 3.7 55.9 31.2 ^a 100 78.2 2,500 ^a 	19.5 129.7 11.60 46.8° 35.0° 1.9 91.5 53.9° 100 98.9 20,414° 26.6 23.7 19.7	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2 13.9
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixede-broadband sub-basket (\$ a month) Trade CT goods exports (% of total goods exports) CT goods imports (% of total goods imports)	21.1 64.8 4.35 30.1a 16.7a 3.7 55.9 31.2a 100 78.2 2,500a 	19.5 129.7 11.60 46.8° 35.0° 1.9 91.5 53.9° 20,414° 26.6 23.7 19.7 0.4 7.1	20.9 92.4 9.96 35.9 25.5 2.6 144.6
Relecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade CT goods exports (% of total goods exports) CT goods imports (% of total service exports)	21.1 64.8 4.35 30.1a 16.7a 3.7 55.9 31.2a 100 78.2 2,500a 	19.5 129.7 11.60 46.8° 35.0° 1.9 91.5 53.9° 20,414° 26.6 23.7 19.7 0.4 7.1	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2 13.9

China

East Asia & Pacific U	pper m	iddle i	ncome
	Countr		Upper middle- income
	2005	2011	group 2011
Economic and social context	2003	2011	2011
Population (millions)	1.304	1.344	2.490
Urban population (% of total)	43	51	,
GNI per capita, World Bank Atlas method (\$)	1,740	4,940	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	9.8	10.8	6.3
Adult literacy rate (% ages 15 and older)	91	94	94
Gross primary, secondary, tertiary school enrollment (%)	67	70	75
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		P	
Mobile telephone service	Р		
Internet service	C		
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.2 35.9	2.2 26.5	
Telecommunications investment (% of revenue)	00.0	20.0	20
Sactor narformanca			
Sector performance Access			
•	26.8	21.2	20.9
Access	30.1	21.2 73.2	92.4
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)		73.2 11.61	92.4 9.96
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	30.1	73.2 11.61 35.4	92.4 9.96 35.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	30.1 2.86	73.2 11.61	92.4 9.96 35.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	30.1 2.86	73.2 11.61 35.4	92.4 9.96 35.9 25.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	30.1 2.86 	73.2 11.61 35.4 23.7	92.4 9.96 35.9 25.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	30.1 2.86 	73.2 11.61 35.4 23.7	92.4 9.96 35.9 25.5 2.6 144.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	30.1 2.86 1.3 132.5	73.2 11.61 35.4 23.7 1.3 190.4	92.4 9.96 35.9 25.5 2.6 144.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	30.1 2.86 1.3 132.5	73.2 11.61 35.4 23.7 1.3 190.4	92.4 9.96 35.9 25.5 2.6 144.6 38.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	30.1 2.86 1.3 132.5 8.5	73.2 11.61 35.4 23.7 1.3 190.4 38.3	92.4 9.96 35.5 25.5 2.6 144.6 38.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	30.1 2.86 1.3 132.5 8.5	73.2 11.61 35.4 23.7 1.3 190.4 38.3	92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	30.1 2.86 1.3 132.5 8.5 97 51.2 1,221	73.2 11.61 35.4 23.7 1.3 190.4 38.3 99 93.2	92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	30.1 2.86 1.3 132.5 8.5 97 51.2	73.2 11.61 35.4 23.7 1.3 190.4 38.3 99 93.2 2,692	92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	30.1 2.86 1.3 132.5 8.5 97 51.2 1,221	73.2 11.61 35.4 23.7 1.3 190.4 38.3 99 93.2 2,692	92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	30.1 2.86 1.3 132.5 8.5 97 51.2 1,221	73.2 11.61 35.4 23.7 1.3 190.4 38.3 99 93.2 2,692 3.9 5.3	92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	30.1 2.86 1.3 132.5 8.5 97 51.2 1,221	73.2 11.61 35.4 23.7 1.3 190.4 38.3 99 93.2 2,692 3.9 5.3	92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	30.1 2.86 1.3 132.5 8.5 97 51.2 1,221	73.2 11.61 35.4 23.7 1.3 190.4 38.3 99 93.2 2,692 3.9 5.3 17.8	92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	30.1 2.86 1.3 132.5 8.5 97 51.2 1,221 	73.2 11.61 35.4 23.7 1.3 190.4 38.3 99 93.2 2,692 3.9 5.3 17.8	92.4 9.96 35.5 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage	30.1 2.86 1.3 132.5 8.5 97 51.2 1,221 	73.2 11.61 35.4 23.7 1.3 190.4 38.3 99 93.2 2,692 3.9 5.3 17.8 26.8 18.0	92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2 13.9 13.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	30.1 2.86 1.3 132.5 8.5 97 51.2 1,221 	73.2 11.61 35.4 23.7 1.3 190.4 38.3 99 93.2 2,692 3.9 5.3 17.8 26.8 18.0	92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2 13.9 13.5 28.3

Colombia

	UUIUIIUIA
Latin America & Caribbean	Upper middle income

	Count	v dot-	Upper middle- income
-	Countr 2005	2011	group 2011
Economic and social context			
Population (millions)	43	47	2,490
Urban population (% of total)	74	75	61
GNI per capita, World Bank Atlas method (\$)	2,940	6,070	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.7	4.4	6.3
Adult literacy rate (% ages 15 and older)	93	93	94
Gross primary, secondary, tertiary school enrollment (%)	79	85	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	P	P	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed)	R No	A A	
- Leatinett of voir (barried, closed, no framework, anowed)	110		
Sector efficiency and capacity	4.0	4.0	2.7
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	4.3	4.2 17.8	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	17.8	15.2	20.9
Mobile-cellular telephone subscriptions (per 100 people)	50.8	98.5	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.74		
Households with a computer (%)		6.94	9.96
	14.6	29.9	9.96 35.9
Households with Internet access at home (%)	14.6 6.2		9.96 35.9
Households with Internet access at home (%) Usage		29.9	9.96 35.9 25.5
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	6.2	29.9 23.4	9.96 35.9 25.5
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	6.2	29.9 23.4 350.4	9.96 35.9 25.5 2.6 144.6
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	6.2	29.9 23.4	9.96 35.9 25.5 2.6 144.6
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	6.2 48.4 11.0	29.9 23.4 350.4	9.96 35.9 25.5 2.6 144.6 38.2
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	6.2 48.4 11.0	29.9 23.4 350.4 40.4	9.96 35.9 25.5 2.6 144.6 38.2
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	6.2 48.4 11.0 82 46.3	29.9 23.4 350.4 40.4 98.8	9.96 35.9 25.5 2.6 144.6 38.2 98 84.6
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	6.2 48.4 11.0	29.9 23.4 350.4 40.4	9.96 35.9 25.5 2.6 144.6 38.2 98 84.6
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	6.2 48.4 11.0 82 46.3	29.9 23.4 350.4 40.4 98.8	9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	6.2 48.4 11.0 82 46.3 4,701	29.9 23.4 350.4 40.4 98.8 16,796	9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	6.2 48.4 11.0 82 46.3 4,701	29.9 23.4 350.4 40.4 98.8 16,796	9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	6.2 48.4 11.0 82 46.3 4,701	29.9 23.4 350.4 40.4 98.8 16,796 7.1 22.2	9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	6.2 48.4 11.0 82 46.3 4,701	29.9 23.4 350.4 40.4 98.8 16,796 7.1 22.2	9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	6.2 48.4 11.0 82 46.3 4,701	29.9 23.4 350.4 40.4 98.8 16,796 7.1 22.2 23.7	9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	6.2 48.4 11.0 82 46.3 4,701 	29.9 23.4 350.4 40.4 98.8 16,796 7.1 22.2 23.7	9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	6.2 48.4 11.0 82 46.3 4,701 0.2 13.0 14.6	29.9 23.4 350.4 40.4 98.8 16,796 7.1 22.2 23.7 0.1 8.5 13.9	9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2 13.9 13.5 28.3
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	6.2 48.4 11.0 82 46.3 4,701 0.2 13.0	29.9 23.4 350.4 40.4 98.8 16,796 7.1 22.2 23.7 0.1 8.5	9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2 13.9 13.5 28.3

Comoros

Sub-Saharan Africa Low income

	0		Low- income
-	Country 2005	2011	group 2011
Proposite and costal content	2003	2011	2011
Economic and social context	0.64	0.75	817
Population (millions)	28	28	
Urban population (% of total) GNI per capita, World Bank Atlas method (\$)	28 610	28 770	
	2.6	1.4	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	68	75	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	60		
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		М	
Mobile telephone service		М	
Internet service	М	М	
Foreign ownership (not allowed, restricted, allowed)	No	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.0	5.2	
Telecommunications investment (% of revenue)	25.6	13.8	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	2.6	3.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.4	28.7	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.02	a 0.12
Households with a computer (%)			
Households with Internet access at home (%)		2.4	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			00.0
Individuals using the Internet (%)	2.0a	5.5	a 6.0
Quality			
Population covered by a mobile-cellular network (%)	40		
Fixed (wired)-broadband subscriptions (% of total Internet)	0.3	4.1	24.5
International Internet bandwidth (bit/s per Internet user) Affordability	156	4,003	2,941
Fixed-telephone sub-basket (\$ a month)		10.0	9.6
Mobile-cellular sub-basket (\$ a month)		13.5	
Fixed-broadband sub-basket (\$ a month)		80.2	
Trade		00.2	.2.0
ICT goods exports (% of total goods exports)	0.0		
ICT goods imports (% of total goods imports)	2.7		
ICT service exports (% of total service exports)	2.,		40.0
Applications			10.0
Online service index (0-1, 1=highest presence)	0.19	0.08	0.20
Secure Internet servers (per million people)	4.7	1.3	
Table Market Source (por minor poople)		2.0	5.0

Congo, Dem. Rep.

Sub-Saharan Africa Low income

	Countr	y data	Low- income group
	2005	2011	2011
Economic and social context			
Population (millions)	57	68	817
Urban population (% of total)	31	34	28
GNI per capita, World Bank Atlas method (\$)	120	190	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.6	5.6	5.8
Adult literacy rate (% ages 15 and older)	67	67	63
Gross primary, secondary, tertiary school enrollment (%)	49	54	58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	No	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.5	5.2	
Telecommunications investment (% of revenue)	89.2	49.4	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.0	0.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	4.8	23.1	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.02	
Households with a computer (%)	0.00	0.02	
Households with Internet access at home (%)		0.6	
Usage		0.0	
Int'l. voice traffic, total (minutes/subscription/month)	9.5	3.3	
Domestic mobile traffic (minutes/subscription/month)	51.2	24.8	
Individuals using the Internet (%)	0.2a	1.2	
Quality	0.2		0.0
Population covered by a mobile-cellular network (%)	50	50	
Fixed (wired)-broadband subscriptions (% of total Internet)	6.3	50.7	-
International Internet bandwidth (bit/s per Internet user)	37	984	
Affordability	٥.		2,0 .1
Fixed-telephone sub-basket (\$ a month)			9.6
Mobile-cellular sub-basket (\$ a month)			11.9
Fixed-broadband sub-basket (\$ a month)			42.8
Trade	•		
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)	••		18.6
			10.0
Applications Online service index (0-1, 1=highest presence)	0.22	0.18	0.20

Congo, Rep.

Sub-Saharan Africa L	ower m	iddle i	ncome
			Lower
	Countr	v data	middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	4	4	2,533
Urban population (% of total)	61	64	39
GNI per capita, World Bank Atlas method (\$)	980	2,250	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.7	5.1	6.2
Adult literacy rate (% ages 15 and older)			71
Gross primary, secondary, tertiary school enrollment (%)	54		63
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service		С	
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed) B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	3.2	2.5
relevantitudinations revenue (% of ab)			
Telecommunications investment (% of revenue)		23.4	29.0
• • •	0.5	0.3	
Telecommunications investment (% of revenue) Sector performance Access			5.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	0.5	0.3	5.6 80.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	0.5 15.8	0.3 93.8	5.6 80.1 1.25
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	0.5 15.8 0.00	0.3 93.8 0.01	5.6 80.1 1.25 10.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	0.5 15.8 0.00 1.4	0.3 93.8 0.01 3.9 1.0	5.6 80.1 1.25 10.7 7.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	0.5 15.8 0.00 1.4	0.3 93.8 0.01 3.9 1.0	5.6 80.1 1.25 10.7 7.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	0.5 15.8 0.00 1.4 	0.3 93.8 0.01 3.9 1.0 9.5 40.9	5.6 80.1 1.25 10.7 7.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	0.5 15.8 0.00 1.4	0.3 93.8 0.01 3.9 1.0	5.6 80.1 1.25 10.7 7.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	0.5 15.8 0.00 1.4 	0.3 93.8 0.01 3.9 1.0 9.5 40.9	5.6 80.1 1.25 10.7 7.7 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	0.5 15.8 0.00 1.4 	0.3 93.8 0.01 3.9 1.0 9.5 40.9	5.6 80.1 1.25 10.7 7.7 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	0.5 15.8 0.00 1.4 1.5	0.3 93.8 0.01 3.9 1.0 9.5 40.9 5.6	5.6 80.1 1.25 10.7 7.7 6.5 16.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	0.5 15.8 0.00 1.4 1.5	0.3 93.8 0.01 3.9 1.0 9.5 40.9 5.6	5.6 80.1 1.25 10.7 7.7 6.5 16.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	0.5 15.8 0.00 1.4 1.5	0.3 93.8 0.01 3.9 1.0 9.5 40.9 5.6	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	0.5 15.8 0.00 1.4 1.5 39 0.0 19 ^a	0.3 93.8 0.01 3.9 1.0 9.5 40.9 5.6 95 14.3 155	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	0.5 15.8 0.00 1.4 1.5 39 0.0 19 ^a	0.3 93.8 0.01 3.9 1.0 9.5 40.9 5.6 95 14.3	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	0.5 15.8 0.00 1.4 1.5 39 0.0 19 ^a	0.3 93.8 0.01 3.9 1.0 9.5 40.9 5.6 95 14.3 155	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	0.5 15.8 0.00 1.4 1.5 39 0.0 19 ^a	0.3 93.8 0.01 3.9 1.0 9.5 40.9 5.6 95 14.3 155	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	0.5 15.8 0.00 1.4 1.5 39 0.0 19 ^a 	0.3 93.8 0.01 3.9 1.0 9.5 40.9 5.6 95 14.3 155	5.6 80.1 1.28 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	0.5 15.8 0.00 1.4 1.5 39 0.0 19 ^a 	0.3 93.8 0.01 3.9 1.0 9.5 40.9 5.6 95 14.3 155	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	0.5 15.8 0.00 1.4 1.5 39 0.0 19 ^a 	0.3 93.8 0.01 3.9 1.0 9.5 40.9 5.6 95 14.3 155	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	0.5 15.8 0.00 1.4 1.5 39 0.0 19 ^a 	0.3 93.8 0.01 3.9 1.0 9.5 40.9 5.6 95 14.3 155	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6

	GUSLA KICA
Latin America & Caribbean	Upper middle income

Economic and social context Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) 4,6 GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)			Upper middle- income
Economic and social context Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)		y data 2011	group 2011
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000–05 and 2005–11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	-	2011	2011
Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000–05 and 2005–11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	4	5	2,490
GNI per capita, World Bank Atlas method (\$) 4,6 GDP growth, 2000–05 and 2005–11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with liternet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Int'1. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	62	65	,
GDP growth, 2000–05 and 2005–11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with liternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)		7,640	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Households with a computer (%) Households with liternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	4.3	4.0	,
Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	95	96	
Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	74	84	
Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)			
Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Usage Usage Usage Int'l. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Frade	Yes	Yes	;
International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	blic	Public	;
Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Sized (wired)-broadband subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Induseholds with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Frade			
Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) 10 Usage Int'l. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Frade		C	;
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	M	C	;
Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	M	C	:
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	R	F	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	В	A	ı
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Pixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Frade			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Sixed-telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Frade	2.3	2.1	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Frade	5.8	49.1	17.8
Fixed-telephone subscriptions (per 100 people) 33 Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade			
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	2.2	26.1	20.9
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	5.6	92.2	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	.04	8.68	
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	7.0	45.3	
Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	0.2	33.6	
Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	0.2	33.0	20.0
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	9.2		. 2.6
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade		162.0	
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) 60 International Internet bandwidth (bit/s per Internet user) 60 Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	2.1	42.1	
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade			00.2
Fixed (wired)-broadband subscriptions (% of total Internet) 60 International Internet bandwidth (bit/s per Internet user) 60 Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	86	70	98
International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	0.6	90.6	84.6
Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	589	36,216	
Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade		,	-,
Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade		4.6	10.0
Trade		3.4	16.0
Trade		13.9	18.2
ICT goods exports (% of total goods exports) 23	3.7	19.5	13.9
	3.7	18.2	13.5
	3.3	32.4	28.3
Applications			
Online service index (0-1, 1=highest presence) 0.	.51	0.50	0.46
	2.0	98.7	19.9

Côte d'Ivoire

Sub-Saharan Africa	Lower m	iddle i	ncome
	Countr	Country data	
	2005	2011	group 2011
Economic and social context			
Population (millions)	18	20	2,533
Urban population (% of total)	47	51	39
GNI per capita, World Bank Atlas method (\$)	870	1,090	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-0.2	1.6	
Adult literacy rate (% ages 15 and older)	49	56	7:
Gross primary, secondary, tertiary school enrollment (%)			63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		M	
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowe	d) B	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.0	6.6	2.5
	0.0	0.0	2.3
Telecommunications investment (% of revenue)	29.1	17.6	
Telecommunications investment (% of revenue) Sector performance Access	29.1	17.6	29.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	29.1	17.6	29.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	29.1 1.4 13.0	17.6 1.3 86.1	5.0 80.:
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	1.4 13.0 0.01 ^a	17.6 1.3 86.1 0.25	5.0 80.: 1.29
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	1.4 13.0 0.01 ^a 1.3	17.6 1.3 86.1 0.25 1.8	5.0 80.1 1.2!
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	1.4 13.0 0.01 ^a	17.6 1.3 86.1 0.25	5.0 80.1 1.2!
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	1.4 13.0 0.01 ^a 1.3	17.6 1.3 86.1 0.25 1.8	5.0 80.1.25 10.1 3 7.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	1.4 13.0 0.01 ^a 1.3 0.5	1.3 86.1 0.25 1.8 1.1	5.0 80.1 1.2! 10.1 6.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	1.4 13.0 0.01a 1.3 0.5	1.3 86.1 0.25 1.8 1.1	5.6 80.1 1.25 10.7 6.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	1.4 13.0 0.01 ^a 1.3 0.5	17.6 1.3 86.1 0.25 1.8 1.1 5.4 52.3	5.0 80.1.29 10.1 6.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	1.4 13.0 0.01 ^a 1.3 0.5	17.6 1.3 86.1 0.25 1.8 1.1 5.4 52.3	5.0 80 1.29 10 6.3 16.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	1.4 13.0 0.01° 1.3 0.5 106.4 1.0	1.3 86.1 0.25 1.8 1.1 5.4 52.3 2.2	5.0 80 1.29 10 6.8 16.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	1.4 13.0 0.01° 1.3 0.5 106.4 1.0	1.3 86.1 0.25 1.8 1.1 5.4 52.3 2.2	5.1 80. 1.2! 10. 3 10. 6.3 16.3 86 58.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	1.4 13.0 0.01 ^a 1.3 0.5 106.4 1.0 55 6.9 296	17.6 1.3 86.1 0.25 1.8 1.1 5.4 52.3 2.2 92 99.3 18,044	29.0 5.0 80.1 1.20 10.3 7.3 6.5 80 58.6 6,560
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	1.4 13.0 0.01 ^a 1.3 0.5 106.4 1.0 55 6.9 296	17.6 1.3 86.1 0.25 1.8 1.1 5.4 52.3 2.2 92 99.3 18,044	29.0 5.0 80.1 1.20 10.3 7.3 6.5 80 58.8 6,560 5.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	29.1 1.4 13.0 0.01 ^a 1.3 0.5 106.4 1.0 55 6.9 296	17.6 1.3 86.1 0.25 1.8 1.1 5.4 52.3 2.2 92 99.3 18,044 19.6 19.0	29.0 80 1.29 7 6.8 16.2 80 58.8 6,560 5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	1.4 13.0 0.01 ^a 1.3 0.5 106.4 1.0 55 6.9 296	17.6 1.3 86.1 0.25 1.8 1.1 5.4 52.3 2.2 92 99.3 18,044	29.0 80 1.29 7 6.8 16.2 80 58.8 6,560 5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	1.4 13.0 0.01 ^a 1.3 0.5 106.4 1.0 55 6.9 296	17.6 1.3 86.1 0.25 1.8 1.1 5.4 52.3 2.2 92 99.3 18,044 19.6 19.0 40.1	29.0 5.0 80.1 1.29 6.3 7.3 6.5 80 58.8 6,560 5.1 1.1.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	1.4 13.0 0.01° 1.3 0.5 106.4 1.0 55 6.9 296	17.6 1.3 86.1 0.25 1.8 1.1 5.4 52.3 2.2 99.3 18,044 19.6 19.0 40.1	29.0 5.6 80.1 1.2! 6.3 7.1 6.3 16.2 80 58.3 6,560 5.1 11.3 21.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	1.4 13.0 0.01 ^a 1.3 0.5 106.4 1.0 55 6.9 296 	17.6 1.3 86.1 0.25 1.8 1.1 5.4 52.3 2.2 92 99.3 18,044 19.6 19.0 40.1 0.1 3.1	29.0 80.1 1.2! 3 10.1 6.3 16.2 8(58.8 6,560 5.1 21.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	1.4 13.0 0.01° 1.3 0.5 106.4 1.0 55 6.9 296	17.6 1.3 86.1 0.25 1.8 1.1 5.4 52.3 2.2 99.3 18,044 19.6 19.0 40.1	29.0 80.1 1.2! 3 10.1 6.3 16.2 8(58.8 6,560 5.1 21.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	29.1 1.4 13.0 0.01a 1.3 0.5 106.4 1.0 55 6.9 296 0.6 3.8 33.7	17.6 1.3 86.1 0.25 1.8 1.1 5.4 52.3 2.2 92 99.3 18,044 19.6 19.0 40.1 0.1 3.1 28.5	29.0 5.1 80.1 1.2 1.2 1.3 7. 6.8 6,560 5.1 11.5 6.4 43.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	1.4 13.0 0.01 ^a 1.3 0.5 106.4 1.0 55 6.9 296 	17.6 1.3 86.1 0.25 1.8 1.1 5.4 52.3 2.2 92 99.3 18,044 19.6 19.0 40.1 0.1 3.1	29.0 5.6 80.1 1.25 3 10.1 6.5 6.5 6.5 6.5 6.5 6.5 43.4 0.32

Croatia

	Countr	y data	High- income
-	2005	2011	group 2011
Economic and social context			
Population (millions)	4	4	1,135
Urban population (% of total)	56	58	80
GNI per capita, World Bank Atlas method (\$)	9,690	13,540	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.6	0.0	0.7
Adult literacy rate (% ages 15 and older)	98	99	98
Gross primary, secondary, tertiary school enrollment (%)	78	82	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	C	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.9	4.0	2.6
Telecommunications investment (% of revenue)	14.5	11.8	15.8
Sector performance			
Access	42.4	40.1	47.3
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	82.2	116.4	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	2.62	19.59	
Households with a computer (%)	32.7	60.0	
Households with Internet access at home (%)	40.6	61.4	74.3
Usage	40.0	01.4	14.3
Int'l. voice traffic, total (minutes/subscription/month)	16.5	8.0	
Domestic mobile traffic (minutes/subscription/month)	65.7	100.5	184.6
Individuals using the Internet (%)	33.1	70.7	75.8
Quality	33.1	10.1	13.6
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	12.2	72.3	95.0
International Internet bandwidth (bit/s per Internet user)	3,241		70,726
Affordability	3,241	13,340	10,120
Fixed-telephone sub-basket (\$ a month)		16.9	23.8
Mobile-cellular sub-basket (\$ a month)		15.6	23.9
Fixed-broadband sub-basket (\$ a month)		18.2	26.6
Trade		10.2	20.0
ICT goods exports (% of total goods exports)	2.6	1.5	9.6
ICT goods exports (% of total goods exports)	6.1	4.2	11.2
ICT service exports (% of total service exports)	12.5	12.7	30.6
Applications	12.0	12.1	30.0
Online service index (0-1, 1=highest presence)	0.57	0.64	0.67
Secure Internet servers (per million people)	39.6		1,067.1
occure internet servers (her million heahie)	53.0	244.0	1,001.1

Cuba

	pper m	iddle i	ncome
	Occupto		Upper middle- income
	Countr 2005		group
Francisco and casial contains	2005	2011	2011
Economic and social context Population (millions)	11	11	2.490
Urban population (% of total)	76	75	2,430
GNI per capita, World Bank Atlas method (\$)	3,960	5.460	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	4.6	5.0	,
Adult literacy rate (% ages 15 and older)	100	100	
Gross primary, secondary, tertiary school enrollment (%)	86	91	75
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Private	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	M	M	
Internet service	Р	Р	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9		2.7
Telecommunications investment (% of revenue)	7.5		17.8
Sector performance	7.5		17.8
Sector performance Access			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	7.6	10.6	20.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	7.6 1.2	10.6 11.7	20.9 92.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	7.6 1.2 0.00	10.6 11.7 0.04	20.9 92.4 9.96
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	7.6 1.2 0.00 0.2ª	10.6 11.7 0.04 3.4	20.9 92.4 9.96 35.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	7.6 1.2 0.00	10.6 11.7 0.04	20.9 92.4 9.96 35.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	7.6 1.2 0.00 0.2ª	10.6 11.7 0.04 3.4	20.9 92.4 9.96 35.9 25.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	7.6 1.2 0.00 0.2 ^a 0.4	10.6 11.7 0.04 3.4 0.5	20.9 92.4 9.96 35.9 25.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	7.6 1.2 0.00 0.2 ^a 0.4 26.5	10.6 11.7 0.04 3.4 0.5	20.9 92.4 9.96 35.9 25.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	7.6 1.2 0.00 0.2 ^a 0.4 26.5 53.0	10.6 11.7 0.04 3.4 0.5	20.9 92.4 9.96 35.9 25.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	7.6 1.2 0.00 0.2 ^a 0.4 26.5 53.0	10.6 11.7 0.04 3.4 0.5	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	7.6 1.2 0.00 0.2 ^a 0.4 26.5 53.0 9.7	10.6 11.7 0.04 3.4 0.5 15.2 29.2 23.2	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	7.6 1.2 0.00 0.2 ^a 0.4 26.5 53.0 9.7	10.6 11.7 0.04 3.4 0.5 15.2 29.2 23.2	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	7.6 1.2 0.00 0.2 ^a 0.4 26.5 53.0 9.7 71 5.8 95	10.6 11.7 0.04 3.4 0.5 15.2 29.2 23.2	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	7.6 1.2 0.00 0.2 ^a 0.4 26.5 53.0 9.7 71 5.8	10.6 11.7 0.04 3.4 0.5 15.2 29.2 23.2 78 9.2 175	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	7.6 1.2 0.00 0.2 ^a 0.4 26.5 53.0 9.7 71 5.8 95	10.6 11.7 0.04 0.5 15.2 29.2 23.2 78 9.2 175	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	7.6 1.2 0.00 0.2 ^a 0.4 26.5 53.0 9.7 71 5.8 95	10.6 11.7 0.04 3.4 0.5 15.2 29.2 23.2 78 9.2 175 0.3 36.3	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	7.6 1.2 0.00 0.2 ^a 0.4 26.5 53.0 9.7 71 5.8 95	10.6 11.7 0.04 3.4 0.5 15.2 29.2 23.2 78 9.2 175 0.3 36.3	20.9 92.4 99.6 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	7.6 1.2 0.00 0.2 ^a 0.4 26.5 53.0 9.7 71 5.8 95	10.6 11.7 0.04 3.4 0.5 15.2 29.2 23.2 78 9.2 175 0.3 36.3 1,752.7	20.9 92.4 99.6 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	7.6 1.2 0.00 0.2 ^a 0.4 26.5 53.0 9.7 71 5.8 95	10.6 11.7 0.04 3.4 0.5 15.2 29.2 23.2 78 9.2 175 0.3 36.3 1,752.7	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	7.6 1.2 0.00 0.2a 0.4 26.5 53.0 9.7 71 5.8 95	10.6 11.7 0.04 3.4 0.5 15.2 29.2 23.2 78 9.2 175 0.3 36.3 1,752.7	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	7.6 1.2 0.00 0.2a 0.4 26.5 53.0 9.7 71 5.8 95	10.6 11.7 0.04 3.4 0.5 15.2 29.2 23.2 78 9.2 175 0.3 36.3 1,752.7	92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200

Curação

	Countr	y data	High- income group
•	2005	2011	2011
Economic and social context			
Population (millions)	0.13	0.15	1,135
Urban population (% of total)			80
GNI per capita, World Bank Atlas method (\$)			39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)			0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			0.0
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			15.8
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)			47.3
Mobile-cellular telephone subscriptions (per 100 people)			114.1
Fixed (wired)-broadband subscriptions (per 100 people)			27.30
Households with a computer (%)			77.3
Households with Internet access at home (%)			74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			184.6
Individuals using the Internet (%)			75.8
Quality			100
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			95.0
International Internet bandwidth (bit/s per Internet user) Affordability			70,726
Fixed-telephone sub-basket (\$ a month)			23.8
Mobile-cellular sub-basket (\$ a month)			23.9
Fixed-broadband sub-basket (\$ a month)			26.6
Trade			
ICT goods exports (% of total goods exports)			9.6
ICT goods imports (% of total goods imports)			11.2
ICT service exports (% of total service exports)			30.6
Applications			
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)		47.5	1,067.1

Cyprus

	Counti	rv data	High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	1	1	1,135
Urban population (% of total)	69	71	80
GNI per capita, World Bank Atlas method (\$)	21,490	29,450	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.1	2.0	0.7
Adult literacy rate (% ages 15 and older)	97	98	98
Gross primary, secondary, tertiary school enrollment (%)	78	79	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	Р	P	
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	3.1	2.6
Telecommunications investment (% of revenue)	15.0	11.9	15.8
Sector performance			
Access	40.7	20.2	47.3
Fixed-telephone subscriptions (per 100 people)	40.7	36.3	
Mobile-cellular telephone subscriptions (per 100 people)	75.8 3.09	97.7 18.94	114.1 27.30
Fixed (wired)-broadband subscriptions (per 100 people)			
Households with a computer (%)	46.0 31.7	63.9	
Households with Internet access at home (%)	31.7	57.4	74.3
Usage	E7 E	44.1	
Int'l. voice traffic, total (minutes/subscription/month)	57.5 174.0	44.1 232.9	 184.6
Domestic mobile traffic (minutes/subscription/month)	32.8	232.9 57.7	184.6 75.8
Individuals using the Internet (%)	32.0	31.1	10.6
Quality Deputation severed by a makile collular naturals (9)	100	100	100
Population covered by a mobile-cellular network (%)	35.0	99.7	95.0
Fixed (wired)-broadband subscriptions (% of total Internet)			
International Internet bandwidth (bit/s per Internet user) Affordability	1,328	53,569	70,726
Fixed-telephone sub-basket (\$ a month)		23.4	23.8
Mobile-cellular sub-basket (\$ a month)		7.9	23.9
Fixed-broadband sub-basket (\$ a month)		20.7	26.6
Trade			
ICT goods exports (% of total goods exports)	25.0	5.6	9.6
ICT goods imports (% of total goods imports)	10.8	4.6	11.2
ICT service exports (% of total service exports)	21.1	25.0	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.60	0.56	0.67
Secure Internet servers (per million people)	175.3		1,067.1
(,

Czech Republic

	Counti	y data	High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	10	10	1,135
Urban population (% of total)	74	73	80
GNI per capita, World Bank Atlas method (\$)	11,890	18,700	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.9	2.0	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	81	86	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C		
Mobile telephone service	C	P	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed) A	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	2.4	2.6
Telecommunications investment (% of revenue)	11.7	15.4	15.8
Sector performance			
Access	21.5	21.7	47.3
Fixed-telephone subscriptions (per 100 people)	31.5		
Mobile-cellular telephone subscriptions (per 100 people)	115.2	123.4	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	6.94	15.84	
Households with a computer (%)	30.0	69.9	77.3
Households with Internet access at home (%)	19.1	66.6	74.3
Usage	7.4		
Int'l. voice traffic, total (minutes/subscription/month)	7.4	9.9	
Domestic mobile traffic (minutes/subscription/month)	50.3	97.5	
Individuals using the Internet (%)	35.3	73.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	30.1	100.0	95.0
International Internet bandwidth (bit/s per Internet user) Affordability	13,652	91,064	70,726
Fixed-telephone sub-basket (\$ a month)		26.8	23.8
Mobile-cellular sub-basket (\$ a month)		33.4	23.9
Fixed-broadband sub-basket (\$ a month)		31.2	26.6
Trade			
ICT goods exports (% of total goods exports)	11.1	15.2	9.6
ICT goods imports (% of total goods imports)	11.2	15.8	11.2
ICT service exports (% of total service exports)	24.4	35.0	30.6
Applications	•		
Online service index (0-1, 1=highest presence)	0.67	0.54	0.67
Secure Internet servers (per million people)	41.5		1,067.1
Social internet del vere (per million people)	11.0	010.0	1,001.1

Denmark

	Countr	y data	High- income group
•	2005	2011	2011
Economic and social context			
Population (millions)	5	6	1,135
Urban population (% of total)	86	87	80
GNI per capita, World Bank Atlas method (\$)	48,590	60,160	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.2	-0.4	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	103	99	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	2.2	2.6
Telecommunications investment (% of revenue)	17.2	16.6	15.8
Sector performance			
Access	04.0	45.4	47.0
Fixed-telephone subscriptions (per 100 people)	61.8	45.1	47.3
Mobile-cellular telephone subscriptions (per 100 people)	100.5	128.5	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	24.80	37.60	27.30
Households with a computer (%)	84.0	90.4	77.3 74.3
Households with Internet access at home (%)	74.9	90.1	14.3
Usage		18.3	
Int'l. voice traffic, total (minutes/subscription/month)	99.1		184.6
Domestic mobile traffic (minutes/subscription/month)		134.8	75.8
Individuals using the Internet (%)	82.7	90.0	13.6
Quality Deputation severed by a makile collular naturals (%)			100
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	74.3	93.6	95.0
International Internet bandwidth (bit/s per Internet user) Affordability	42,020	159,511	10,120
Fixed-telephone sub-basket (\$ a month)		28.9	23.8
Mobile-cellular sub-basket (\$ a month)		7.9	23.9
Fixed-broadband sub-basket (\$ a month)		43.9	26.6
Trade			
ICT goods exports (% of total goods exports)	7.1	3.4	9.6
ICT goods imports (% of total goods imports)	12.4	7.9	11.2
ICT service exports (% of total service exports)			30.6
Applications			
Online service index (0-1, 1=highest presence)	0.91	0.86	0.67
Secure Internet servers (per million people)	411.3	2,242.9	1,067.1

Djibouti

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Middle East & North Africa	Lower m	iddle i	ncome
	Countr	w data	Lower middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	0.81	1	2.533
Urban population (% of total)	77	77	,
GNI per capita, World Bank Atlas method (\$)	990	1,270	
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.0	5.2	
Adult literacy rate (% ages 15 and older)			74
Gross primary, secondary, tertiary school enrollment (%)	25	34	
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)	1 ubile	i ubiio	
International gateway(s)		М	
Mobile telephone service		M	
•	 M	M	
Internet service			
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed)	No d) B	No C	
	-, -		
Sector efficiency and capacity	4.0		
Telecommunications revenue (% of GDP)	4.8	5.7	
Telecommunications investment (% of revenue)	25.6	14.3	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.3	2.0	
Mobile-cellular telephone subscriptions (per 100 people)	5.4	21.3	
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	1.25	
Households with a computer (%)	6.8	13.0	
Households with Internet access at home (%)	0.6	1.7	7.7
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		124.9	6.5
Domestic mobile traffic (minutes/subscription/month)	50.2	32.0	
Individuals using the Internet (%)	1.0	7.0	a 16.2
Quality			
Population covered by a mobile-cellular network (%)	75	95	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.2	74.7	58.8
International Internet bandwidth (bit/s per Internet user)	5,838	13,409	a 6,560
Affordability	,		,
Fixed-telephone sub-basket (\$ a month)		8.1	5.1
Mobile-cellular sub-basket (\$ a month)		13.0	
Fixed-broadband sub-basket (\$ a month)		41.8	
Trade		0	
ICT goods exports (% of total goods exports)		0.1	5.7
ICT goods imports (% of total goods imports)		5.4	
ICT service exports (% of total service exports)	5.1		40.4
	5.1		43.4
Applications	0.00	0.00	0.00

0.32

3.5

0.23

1.2

0.20

5.4

Online service index (0-1, 1=highest presence)

Secure Internet servers (per million people)

Dominica

	Jpper m	iluulo II	
	Countr		Upper middle- income
	Countr 2005	2011	group 2011
Economic and social context	2000	2011	
Population (millions)	0.07	0.07	2.490
Urban population (% of total)	67	67	61
GNI per capita, World Bank Atlas method (\$)	5,100	7,030	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.9	4.5	6.3
Adult literacy rate (% ages 15 and older)			94
Gross primary, secondary, tertiary school enrollment (%)			75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	М	C	
Internet service		С	
Foreign ownership (not allowed, restricted, allowed)	R	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	8.4	7.8	2.
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	8.4 18.0	7.8 12.5	2.7 17.8
Telecommunications investment (% of revenue)			
Telecommunications investment (% of revenue) Sector performance			17.8
Telecommunications investment (% of revenue) Sector performance Access	18.0	12.5	17.8 20.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	18.0 27.6	12.5 22.9	20.9 92.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	27.6 75.4	22.9 164.0	20.9 92.4 9.96
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	27.6 75.4 4.93	22.9 164.0 ^a 12.27	20.9 92.4 9.90 35.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	27.6 75.4 4.93	22.9 164.0 ⁶ 12.27	20.9 92.4 9.90 35.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	27.6 75.4 4.93	22.9 164.0 ⁶ 12.27	20.9 92.4 9.90 35.8 25.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	27.6 75.4 4.93	22.9 164.0 ^a 12.27 	20.9 92.4 9.96 35.9 25.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	27.6 75.4 4.93 	22.9 164.0 ⁴ 12.27 	20.9 92.4 9.90 35.9 25.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	27.6 75.4 4.93 41.2 38.4	22.9 164.0 12.27 14.6 112.1	20.9 92.4 9.90 35.9 25.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	27.6 75.4 4.93 41.2 38.4 38.5	12.5 22.9 164.0 ⁱ 12.27 14.6 112.1 51.3 ⁱ	20.9 92.4 92.6 9.90 35.9 25.8 2.1 144.4 98
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	27.6 75.4 4.93 41.2 38.4 38.5	22.9 164.0 12.27 14.6 112.1 51.3 90 97.2	20.9 92.4 9.90 35.5 25.5 2.0 144.0 38.2 98
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	27.6 75.4 4.93 41.2 38.4 38.5	22.9 164.0 12.27 14.6 112.1 51.3 90 97.2	20.9 92.9 9.90 35.25.3 2.144.4 1 38.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	27.6 75.4 4.93 41.2 38.4 38.5 54.0 1,432	22.9 164.0 12.27 14.6 112.1 51.3 90 97.2	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	27.6 75.4 4.93 41.2 38.4 38.5 54.0 1,432	22.9 164.0 12.27 14.6 112.1 51.3 90 97.2 74,871	20.9 92.4 9.99 35.9 25.3 2.0 144.0 38.2 9.8 84.1 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	27.6 75.4 4.93 41.2 38.4 38.5 54.0 1,432	22.9 164.0 12.27 14.6 112.1 51.3 90 97.2 74,871	20.9 9.99 35.9 25.9 25.9 26 144.0 98 84.0 13,200 10.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	27.6 75.4 4.93 41.2 38.4 38.5 54.0 1,432	22.9 164.0 12.27 14.6 112.1 51.3 90 97.2 74,871 10.7 17.7	20.9 9.99 35.9 25.9 25.9 26 144.0 98 84.0 13,200 10.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	27.6 75.4 4.93 41.2 38.4 38.5 54.0 1,432	22.9 164.0 12.27 14.6 112.1 51.3 90 97.2 74,871 10.7 17.7	20.0.2 20.0.3 35.3 25.3 25.3 26.3 38.3 38.3 38.3 38.3 38.3 38.3 38.3 3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	27.6 75.4 4.93 41.2 38.4 38.5 54.0 1,432	22.9 164.0 12.27 14.6 112.1 51.3 90 97.2 74,871 10.7 17.7 33.0	20.0.2 20.0.3 35.3 25.3 25.3 25.3 26.3 38.3 38.3 38.3 38.3 38.3 38.3 38.3 3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	18.0 27.6 75.4 4.93 41.2 38.4 38.5 54.0 1,432	22.9 164.0 12.27 14.6 112.1 51.3 90 97.2 74,871 10.7 17.7 33.0 2.5	20.1.2 20.1.3 92.4 9.9.9 9.9.1 144.4 13.20 10.1 13.20 10.1 18.2 13.2 13.2 13.2 13.2 13.2 13.2 13.2 13
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	18.0 27.6 75.4 4.93 41.2 38.4 38.5 54.0 1,432 0.2 8.3	22.9 164.0 12.27 14.6 112.1 51.3 90 97.2 74,871 10.7 17.7 33.0 2.5 4.8	20.9 92.4 9.96 35.9 25.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	18.0 27.6 75.4 4.93 41.2 38.4 38.5 54.0 1,432 0.2 8.3	22.9 164.0 12.27 14.6 112.1 51.3 90 97.2 74,871 10.7 17.7 33.0 2.5 4.8	17.8 20.9 99.4 99.9 35.9 25.5 144.6 38.2 98 84.6 13,200 10.0 18.2

Nominican Nanublia

Latin America & Caribbean	Jpper m	niddle i	ncome
	Countr	y data	Upper middle- income group
	2005	2011	2011
Economic and social context			
Population (millions)	9	10	2,490
Urban population (% of total)	66	70	61
GNI per capita, World Bank Atlas method (\$)	2,900	5,240	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.1	6.4	6.3
Adult literacy rate (% ages 15 and older)	88	90	94
Gross primary, secondary, tertiary school enrollment (%)	73		75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.4	3.5	2.7
Telecommunications investment (% of revenue)	192.0	15.6	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	9.7	10.4	20.9
Mobile-cellular telephone subscriptions (per 100 people)	39.1	87.2	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.65	4.02	9.96
Households with a computer (%)	8.7	18.9	35.9

Sector efficiency and capacity	0.4	0.5	0.7	
Telecommunications revenue (% of GDP)	0.4	3.5	2.7	
Telecommunications investment (% of revenue)	192.0	15.6	17.8	
Sector performance				
Access				
Fixed-telephone subscriptions (per 100 people)	9.7	10.4	20.9	
Mobile-cellular telephone subscriptions (per 100 people)	39.1	87.2	92.4	
Fixed (wired)-broadband subscriptions (per 100 people)	0.65	4.02	9.96	
Households with a computer (%)	8.7	18.9	35.9	
Households with Internet access at home (%)	3.1	11.8	25.5	
Usage				
Int'l. voice traffic, total (minutes/subscription/month)		12.5	2.6	
Domestic mobile traffic (minutes/subscription/month)		24.1	144.6	
Individuals using the Internet (%)	11.5	35.5	38.2	
Quality				
Population covered by a mobile-cellular network (%)		81	98	
Fixed (wired)-broadband subscriptions (% of total Internet)	45.1	92.6	84.6	
International Internet bandwidth (bit/s per Internet user)	2,914a	11,765	13,200	
Affordability				
Fixed-telephone sub-basket (\$ a month)		12.5	10.0	
Mobile-cellular sub-basket (\$ a month)		16.9	16.0	
Fixed-broadband sub-basket (\$ a month)		18.9	18.2	
Trade				
ICT goods exports (% of total goods exports)	7.2	2.1	13.9	

13.5

28.3

19.9

4.2

4.5

0.49

5.6

3.5

6.7

23.9

0.54 0.46

ICT goods imports (% of total goods imports)

Applications

ICT service exports (% of total service exports)

Online service index (0-1, 1=highest presence)

Secure Internet servers (per million people)

Ecuador

	PP-0 1	iuuic i	ncome
			Upper middle- income
	Countr		group
Economic and social context	2005	2011	2011
Population (millions)	13	15	2.490
Urban population (% of total)	64	67	61
GNI per capita, World Bank Atlas method (\$)	2,620	4,200	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	5.6	3.9	,
Adult literacy rate (% ages 15 and older)	84	92	94
Gross primary, secondary, tertiary school enrollment (%)			75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	Р	С	
Internet service	C	С	
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	2.7	2.7
Telecommunications investment (% of revenue)		13.9	17.8
Telecommunications investment (% of revenue) Sector performance		13.9	17.8
Telecommunications investment (% of revenue) Sector performance Access			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	12.5	15.1	20.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	12.5 46.5	15.1 104.5	20.9 92.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	12.5 46.5 0.20	15.1	20.9 92.4 9.96
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	12.5 46.5	15.1 104.5 4.22	20.9 92.4 9.96 35.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	12.5 46.5 0.20 17.9	15.1 104.5 4.22 28.8 16.9	20.9 92.4 9.96 35.9 25.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	12.5 46.5 0.20 17.9	15.1 104.5 4.22 28.8 16.9	20.9 92.4 9.96 35.9 25.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	12.5 46.5 0.20 17.9	15.1 104.5 4.22 28.8 16.9 5.2 88.1	20.9 92.4 9.96 35.9 25.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	12.5 46.5 0.20 17.9	15.1 104.5 4.22 28.8 16.9	20.9 92.4 9.96 35.9 25.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	12.5 46.5 0.20 17.9 	15.1 104.5 4.22 28.8 16.9 5.2 88.1 31.4	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	12.5 46.5 0.20 17.9 6.0a	15.1 104.5 4.22 28.8 16.9 5.2 88.1 31.4	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	12.5 46.5 0.20 17.9 	15.1 104.5 4.22 28.8 16.9 5.2 88.1 31.4	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	12.5 46.5 0.20 17.9 6.0 ^a 80 19.5 2,485	15.1 104.5 4.22 28.8 16.9 5.2 88.1 31.4 95 96.8 27,742	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	12.5 46.5 0.20 17.9 6.0 ^a 80 19.5 2,485	15.1 104.5 4.22 28.8 16.9 5.2 88.1 31.4 95 96.8 27,742	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	12.5 46.5 0.20 17.9 6.0 ^a 80 19.5 2,485	15.1 104.5 4.22 28.8 16.9 5.2 88.1 31.4 95 96.8 27,742 6.9	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	12.5 46.5 0.20 17.9 6.0 ^a 80 19.5 2,485	15.1 104.5 4.22 28.8 16.9 5.2 88.1 31.4 95 96.8 27,742	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	12.5 46.5 0.20 17.9 6.0 ^a 80 19.5 2,485	15.1 104.5 4.22 28.8 16.9 5.2 88.1 31.4 95 96.8 27,742 6.9	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	12.5 46.5 0.20 17.9 6.0 ^a 80 19.5 2,485	15.1 104.5 4.22 28.8 16.9 5.2 88.1 31.4 95 96.8 27,742 6.9 17.1 22.6	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	12.5 46.5 0.20 17.9 6.0 ^a 80 19.5 2,485	15.1 104.5 4.22 28.8 16.9 5.2 88.1 31.4 95 96.8 27,742 6.9 17.1 22.6	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	12.5 46.5 0.20 17.9 6.0 ^a 80 19.5 2,485 	15.1 104.5 4.22 28.8 16.9 5.2 88.1 31.4 95 96.8 27,742 6.9 17.1 22.6	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT service exports (% of total service exports)	12.5 46.5 0.20 17.9 6.0 ^a 80 19.5 2,485 	15.1 104.5 4.22 28.8 16.9 5.2 88.1 31.4 95 96.8 27,742 6.9 17.1 22.6	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2 13.9 13.5 28.3

Egypt, Arab Rep.

Middle	Eact	& North	Africa	
wiiaaie	East	& NORTH	Africa	

Lower middle income

			Lower middle- income
	Countr		group
	2005	2011	2011
Economic and social context			
Population (millions)	74	83	,
Urban population (% of total)	43	44	
GNI per capita, World Bank Atlas method (\$)	1,250	2,600	,
GDP growth, 2000–05 and 2005–11 (avg. annual %)	3.4	5.6	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	71 73	72 73	
Sector structure	Yes	Yes	
Separate telecommunications/ICT regulator Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)	WILKEU	WILKEU	
International gateway(s)	М	Р	
Mobile telephone service	P	C	
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)		A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	2.9	2.5
Telecommunications investment (% of revenue)	35.2	33.6	
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	14.0	10.6	5.6
Mobile-cellular telephone subscriptions (per 100 people)	18.4	101.1	
	0.19		00.1
		2 21	1 25
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)		2.21 36.4	
Households with a computer (%)		36.4	10.7
Households with a computer (%) Households with Internet access at home (%)	15.3		10.7
Households with a computer (%) Households with Internet access at home (%) Usage		36.4	10.7 7.7
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	15.3	36.4 30.5	10.7 7.7 6.5
Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	 15.3 7.6	36.4 30.5 5.5	10.7 7.7 6.5
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	7.6 32.5	36.4 30.5 5.5 119.6	10.7 7.7 6.5
Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	7.6 32.5	36.4 30.5 5.5 119.6	10.7 7.7 6.5 16.2
Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	7.6 32.5 12.8	36.4 30.5 5.5 119.6 38.7	10.7 7.7 6.5 16.2
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	7.6 32.5 12.8	36.4 30.5 5.5 119.6 38.7	10.7 7.7 6.5 16.2 86 58.8
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	15.3 7.6 32.5 12.8 92 5.5 400	36.4 30.5 5.5 119.6 38.7 100 84.1 3,829	10.7 7.7 6.5 16.2 86 58.8 6,560
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	15.3 7.6 32.5 12.8 92 5.5 400	36.4 30.5 5.5 119.6 38.7 100 84.1 3,829	10.7 7.7 6.5 16.2 86 58.8 6,560
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	15.3 7.6 32.5 12.8 92 5.5 400	36.4 30.5 5.5 119.6 38.7 100 84.1 3,829 3.1 6.6	10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	15.3 7.6 32.5 12.8 92 5.5 400	36.4 30.5 5.5 119.6 38.7 100 84.1 3,829	10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	15.3 7.6 32.5 12.8 92 5.5 400	36.4 30.5 5.5 119.6 38.7 100 84.1 3,829 3.1 6.6 8.0	10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	15.3 7.6 32.5 12.8 92 5.5 400	36.4 30.5 5.5 119.6 38.7 100 84.1 3,829 3.1 6.6	10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	 15.3 7.6 32.5 12.8 92 5.5 400 	36.4 30.5 5.5 119.6 38.7 100 84.1 3,829 3.1 6.6 8.0	10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade CT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	 15.3 7.6 32.5 12.8 92 5.5 400 	36.4 30.5 5.5 119.6 38.7 100 84.1 3,829 3.1 6.6 8.0 0.2 3.5	10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	 15.3 7.6 32.5 12.8 92 5.5 400 	36.4 30.5 5.5 119.6 38.7 100 84.1 3,829 3.1 6.6 8.0 0.2 3.5	10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6 5.7 6.7

El Salvador

Latin America & Caribbean Lo	ower m	iddle i	ncome
	Country	v data	Lower middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	6	6	2,533
Urban population (% of total)	62	65	39
GNI per capita, World Bank Atlas method (\$)	2,820	3,480	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.3	1.1	6.2
Adult literacy rate (% ages 15 and older)	84	84	71
Gross primary, secondary, tertiary school enrollment (%)	72	71	63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	3.8	2.5
Telecommunications investment (% of revenue)	13.6	17.7	29.0
Sector performance Access Fixed-telephone subscriptions (per 100 people)	16.1	16.5	5.6
Mobile-cellular telephone subscriptions (per 100 people)	39.9	133.5	
Fixed (wired)-broadband subscriptions (per 100 people)	0.70	3.31	
Households with a computer (%)	7.4	13.3	
Households with Internet access at home (%)	2.1	8.0	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		27.5	6.5
Domestic mobile traffic (minutes/subscription/month)	33.2	86.9	
Individuals using the Internet (%)	4.2a	17.7	a 16.2
			16.2
Individuals using the Internet (%)			
Individuals using the Internet (%) Quality	4.2ª		86
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	4.2 ^a 95	17.7	86 58.8
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	4.2 ^a 95 33.2 610 ^a	17.7 99.3 6,042	86 58.8 6,560
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	4.2a 95 33.2 610a	17.7 99.3 6,042 6.9	86 58.8 6,560 5.1
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	4.2a 95 33.2 610a	17.7 99.3 6,042 6.9 13.1	58.8 6,560 5.1 11.3
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	4.2a 95 33.2 610a	17.7 99.3 6,042 6.9	58.8 6,560 5.1 11.3
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	4.2 ^a 95 33.2 610 ^a	17.7 99.3 6,042 6.9 13.1 15.8	58.8 6,560 5.1 11.3 21.6
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	95 33.2 610 ^a 	17.7 99.3 6,042 6.9 13.1 15.8	86 58.8 6,560 5.1 11.3 21.6
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	95 33.2 610 ^a 	17.7 99.3 6,042 6.9 13.1 15.8 0.3 5.6	58.8 6,560 5.1 11.3 21.6 5.7 6.7
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	95 33.2 610 ^a 	17.7 99.3 6,042 6.9 13.1 15.8	58.8 6,560 5.1 11.3 21.6 5.7 6.7
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	4.2 ^a 95 33.2 610 ^a 0.2 3.6 8.4	17.7 99.3 6,042 6.9 13.1 15.8 0.3 5.6 10.5	86 58.8 6,560 5.1 11.3 21.6 5.7 6.7 43.4
Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	95 33.2 610 ^a 	17.7 99.3 6,042 6.9 13.1 15.8 0.3 5.6	86 58.8 6,560 5.1 11.3 21.6 5.7 6.7 43.4

Equatorial Guinea

	Counti	v data	High- income
-	2005	2011	group 2011
Economic and social context			
Population (millions)	0.61	0.72	1,135
Urban population (% of total)	39	40	80
GNI per capita, World Bank Atlas method (\$)	5,220	15,670	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	26.0	7.7	0.7
Adult literacy rate (% ages 15 and older)	88	94	98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service		С	
Internet service	М	С	
Foreign ownership (not allowed, restricted, allowed)	No	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			15.8
Sector performance			
Access	1.6	1.9	47.3
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	15.9	59.1°	
Fixed (wired)-broadband subscriptions (per 100 people)	0.03	0.17	
Households with a computer (%)			77.3
Households with Internet access at home (%)			74.3
Usage			14.3
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			184.6
Individuals using the Internet (%)	1.1	6.0	75.8
Quality	1.1	0.0	13.0
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)	15.0		95.0
International Internet bandwidth (bit/s per Internet user)	2,404	4.069	70,726
Affordability	2,404	4,009	10,120
Fixed-telephone sub-basket (\$ a month)			23.8
Mobile-cellular sub-basket (\$ a month)			23.9
Fixed-broadband sub-basket (\$ a month)			26.6
Trade			20.0
ICT goods exports (% of total goods exports)			9.6
ICT goods imports (% of total goods imports)			11.2
ICT service exports (% of total service exports)			30.6
			30.0
Applications Online cervice index (0. 1. 1-highest presence)	0.29	0.10	0.67
Online service index (0-1, 1=highest presence)			
Secure Internet servers (per million people)		1.4	1,067.1

Eritrea

Sub-Saharan Africa Low income

	Countr	y data	Low- income group
-	2005	2011	2011
Economic and social context			
Population (millions)	4	5	817
Urban population (% of total)	19	21	28
GNI per capita, World Bank Atlas method (\$)	250	430	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.5	0.0	5.8
Adult literacy rate (% ages 15 and older)	53	68	63
Gross primary, secondary, tertiary school enrollment (%)	33	28	58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	М	
Mobile telephone service	Р	Р	
Internet service	Р	Р	
Foreign ownership (not allowed, restricted, allowed)			
$\label{eq:Reg.} \textit{Reg. treatment of VoIP (banned, closed, no framework, allowed)}$	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	3.1	
Telecommunications investment (% of revenue)	57.6	70.0	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.8	1.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	0.9	4.5	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	
Households with a computer (%)		1.4	
Households with Internet access at home (%)		1.2	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		80.9	
Domestic mobile traffic (minutes/subscription/month)	81.4	112.9	86.3
Individuals using the Internet (%)	1.8	6.2	
Quality			
Population covered by a mobile-cellular network (%)	2	85	
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	1.9	24.5
International Internet bandwidth (bit/s per Internet user)	75	89	2,941
Affordability			,-
Fixed-telephone sub-basket (\$ a month)		3.6	9.6
Mobile-cellular sub-basket (\$ a month)		12.1	11.9
Fixed-broadband sub-basket (\$ a month)		204.0	
Trade			
ICT goods exports (% of total goods exports)	0.2		
ICT goods imports (% of total goods imports)	3.0		
ICT service exports (% of total service exports)			18.6
Applications	.,		
Online service index (0-1, 1=highest presence)	0.20	0.21	0.20
Secure Internet servers (per million people)	0.20	0.21	0.0
(2.00

Estonia

	Countr	y data	High- income
-	2005	2011	group 2011
Economic and social context			
Population (millions)	1	1	1,135
Urban population (% of total)	69	70	80
GNI per capita, World Bank Atlas method (\$)	9,730	15,260	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	7.1	-0.4	0.7
Adult literacy rate (% ages 15 and older)	100	100	98
Gross primary, secondary, tertiary school enrollment (%)	93	91	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С		
Mobile telephone service	C	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.5	2.9	2.6
Telecommunications investment (% of revenue)	8.2	18.4	15.8
Sector performance			
Access	00.0	25.0	47.0
Fixed-telephone subscriptions (per 100 people)	32.8	35.2	
Mobile-cellular telephone subscriptions (per 100 people)	107.4	139.0	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	13.31	24.77	27.30
Households with a computer (%)	43.0	71.4	
Households with Internet access at home (%)	38.7	70.8	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	6.9	9.8	
Domestic mobile traffic (minutes/subscription/month)	75.0	114.8	
Individuals using the Internet (%)	61.5	76.5	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	91.0	95.2	95.0
International Internet bandwidth (bit/s per Internet user) Affordability	5,804	24,378	70,726
Fixed-telephone sub-basket (\$ a month)		11.9	23.8
Mobile-cellular sub-basket (\$ a month)		23.3	23.9
Fixed-broadband sub-basket (\$ a month)		21.1	26.6
Trade			
ICT goods exports (% of total goods exports)	17.0	11.5	9.6
ICT goods imports (% of total goods imports)	13.0	11.5	11.2
ICT service exports (% of total service exports)	17.2	24.1	30.6
Applications	2		55.0
Online service index (0-1, 1=highest presence)	0.76	0.82	0.67
Secure Internet servers (per million people)	101.8		1,067.1
cosalo internot del toto (per minion people)	101.0	000.0	2,001.1

Ethiopia

Sub-Saharan Africa Low income

	Country	y data	Low- income group
-	2005	2011	2011
Economic and social context			
Population (millions)	74	85	817
Urban population (% of total)	16	17	28
GNI per capita, World Bank Atlas method (\$)	160	370	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.6	10.0	5.8
Adult literacy rate (% ages 15 and older)	30		63
Gross primary, secondary, tertiary school enrollment (%)	44	57	58
Sector structure			
Separate telecommunications/ICT regulator	Yes	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Μ	M	
Mobile telephone service	Μ	М	
Internet service	Μ	M	
Foreign ownership (not allowed, restricted, allowed)	No	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	1.8	
Telecommunications investment (% of revenue)	82.1		
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.8	1.0	1.1
Mobile-cellular telephone subscriptions (per 100 people)	0.6	16.7	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00a	0.01	0.12
Households with a computer (%)	0.2	1.4	a
Households with Internet access at home (%)	0.1		
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	13.5	4.2	
Domestic mobile traffic (minutes/subscription/month)	90.9	69.5	
Individuals using the Internet (%)	0.2	1.1	6.0
Quality			
Population covered by a mobile-cellular network (%)	10		
Fixed (wired)-broadband subscriptions (% of total Internet)	0.3	3.0	
International Internet bandwidth (bit/s per Internet user) Affordability	356ª	6,974	2,941
Fixed-telephone sub-basket (\$ a month)		1.1	9.6
Mobile-cellular sub-basket (\$ a month)		4.2	
Fixed-broadband sub-basket (\$ a month)		27.6	
Trade		2110	.2.0
ICT goods exports (% of total goods exports)	0.0	0.1	
ICT goods imports (% of total goods imports)	7.0	3.8	
ICT service exports (% of total service exports)	10.9	6.0	
Applications	20.0	0.0	10.0
Online service index (0-1, 1=highest presence)	0.19	0.47	0.20
Secure Internet servers (per million people)	0.0	0.2	0.8

Faeroe Islands

	Counti	v data	High- income
-	2005	2011	group 2011
Economic and social context			
Population (millions)	0.05	0.05	1,135
Urban population (% of total)	40	41	80
GNI per capita, World Bank Atlas method (\$)			39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)			0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5		2.6
Telecommunications investment (% of revenue)			15.8
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	49.4	41.4	47.3
Mobile-cellular telephone subscriptions (per 100 people)	87.1	122.0	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	12.16	33.40	27.30
Households with a computer (%)		33.40	77.3
Households with Internet access at home (%)			74.3
Usage			1 1.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	73.1	82.1	184.6
Individuals using the Internet (%)	67.9	80.7	
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	49.2	99.4	95.0
International Internet bandwidth (bit/s per Internet user) Affordability	4,883		70,726
Fixed-telephone sub-basket (\$ a month)			23.8
Mobile-cellular sub-basket (\$ a month)			23.9
Fixed-broadband sub-basket (\$ a month)			26.6
Trade			20.0
ICT goods exports (% of total goods exports)	0.0	0.0	9.6
ICT goods imports (% of total goods imports)	4.3	4.3	11.2
ICT service exports (% of total service exports)	7.5	7.0	30.6
Applications			55.0
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	62.6	1.268.9	1,067.1
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East Asia & Pacific	Lower m	iddle i	ncome
			Lower middle- income
	Countr		group
	2005	2011	2011
Economic and social context	0.82	0.87	2.533
Population (millions) Urban population (% of total)	50	52	,
GNI per capita, World Bank Atlas method (\$)	3,590	3,720	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	2.6	0.2	,
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	78	88	
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)		_	
International gateway(s)		C	
Mobile telephone service	М	C	
Internet service	••	C	
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed)	i) B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7		2.5
Telecommunications investment (% of revenue)	20.2		29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	13.7a	15.0	
Mobile-cellular telephone subscriptions (per 100 people)	24.9	83.7	
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	0.85	2.68 26.8	
Households with Internet access at home (%)		20.0 18.8	
Usage		10.0	
Int'l. voice traffic, total (minutes/subscription/month)			6.5
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	8.5	28.0	a 16.2
Quality			
Population covered by a mobile-cellular network (%)	60		
Fixed (wired)-broadband subscriptions (% of total Internet)	52.6	59.6	
International Internet bandwidth (bit/s per Internet user) Affordability	1,035	8,020	6,560
Fixed-telephone sub-basket (\$ a month)		8.5	5.1
Mobile-cellular sub-basket (\$ a month)		19.8	11.3
Fixed-broadband sub-basket (\$ a month)		18.7	21.6
Trade			
ICT goods exports (% of total goods exports)	0.3	0.3	
ICT goods imports (% of total goods imports)	4.7	3.9	
ICT service exports (% of total service exports)	5.4	3.3	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.42	0.36	
Secure Internet servers (per million people)	8.5	36.5	3.5

Finland

	Countr	v data	High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	5	5	1,135
Urban population (% of total)	83	84	80
GNI per capita, World Bank Atlas method (\$)	38,550	47,760	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.6	0.4	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	101	101	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	2.0	2.6
Telecommunications investment (% of revenue)	9.8	18.1	15.8
Sector performance			
Access	40.4	20.1	47.3
Fixed-telephone subscriptions (per 100 people)	40.4	20.1	114.1
Mobile-cellular telephone subscriptions (per 100 people)	100.5	166.0	
Fixed (wired)-broadband subscriptions (per 100 people)	22.39 63.9	29.50 85.1	27.30 77.3
Households with a computer (%)		84.2	74.3
Households with Internet access at home (%)	54.1	84.2	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	474.5	477.5	1016
Domestic mobile traffic (minutes/subscription/month)	171.5	177.5	184.6
Individuals using the Internet (%)	74.5	89.4	75.8
Quality	00	100	100
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	57.1		95.0
International Internet bandwidth (bit/s per Internet user) Affordability	5,790°	118,445	10,726
Fixed-telephone sub-basket (\$ a month)		25.5	23.8
Mobile-cellular sub-basket (\$ a month)		13.1	23.9
Fixed-broadband sub-basket (\$ a month)		35.4	26.6
Trade			
ICT goods exports (% of total goods exports)	20.3	4.9	9.6
ICT goods imports (% of total goods imports)	14.3	7.1	11.2
ICT service exports (% of total service exports)	32.3	40.4	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.75	0.88	0.67
Secure Internet servers (per million people)	308.2		1,067.1
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France

	Country	y data	High- income group
	2005	2011	2011
Economic and social context			
Population (millions)	63	65	1,135
Urban population (% of total)	82	86	80
GNI per capita, World Bank Atlas method (\$)	34,850	42,420	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.5	0.4	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	95	95	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	С	
Mobile telephone service	C	С	
Internet service	C	С	
Foreign ownership (not allowed, restricted, allowed)	Α	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	2.2	2.6
Telecommunications investment (% of revenue)	15.6	15.8	15.8
Sector performance			
Access	55.0	00.0	47.0
Fixed-telephone subscriptions (per 100 people)	55.3	63.2	47.3
Mobile-cellular telephone subscriptions (per 100 people)	78.8 15.53	94.8 36.04	114.1 27.30
Fixed (wired)-broadband subscriptions (per 100 people)		78.2	77.3
Households with a computer (%)	54.3ª 34.4	75.9	74.3
Households with Internet access at home (%)	34.4	15.9	14.3
Usage	13.6	19.5	
Int'l. voice traffic, total (minutes/subscription/month)			184.6
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	138.0 42.9	147.7 79.6	75.8
Quality	42.9	19.0	13.6
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	71.7	98.7	95.0
	7,648		
International Internet bandwidth (bit/s per Internet user) Affordability	1,040	10,590	70,726
Fixed-telephone sub-basket (\$ a month)		26.6	23.8
Mobile-cellular sub-basket (\$ a month)		49.2	23.9
Fixed-broadband sub-basket (\$ a month)		31.6	26.6
Trade			
ICT goods exports (% of total goods exports)	6.3	4.3	9.6
ICT goods imports (% of total goods imports)	8.5	6.5	11.2
ICT service exports (% of total service exports)	23.8	30.4	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.80	0.88	0.67
Secure Internet servers (per million people)	76.1	424.9	1,067.1

French Polynesia

	Countr	v data	High- income
-	2005	2011	group 2011
Economic and social context			
Population (millions)	0.25	0.27	1,135
Urban population (% of total)	52	51	80
GNI per capita, World Bank Atlas method (\$)			39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)			0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			15.8
Sector performance			
Access	00.0	00.43	47.0
Fixed-telephone subscriptions (per 100 people)	20.9	20.1	
Mobile-cellular telephone subscriptions (per 100 people)	47.1	81.4	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	4.32	13.15	27.30
Households with a computer (%)			77.3
Households with Internet access at home (%)			74.3
Usage	9.1	9.4	
Int'l. voice traffic, total (minutes/subscription/month)	116.7	103.8	184.6
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	21.5	49.0	
Quality	21.5	49.0	10.0
Population covered by a mobile-cellular network (%)	96	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	59.5	98.5	95.0
International Internet bandwidth (bit/s per Internet user)	1,639		70,726
Affordability	1,000	14,303	10,120
Fixed-telephone sub-basket (\$ a month)			23.8
Mobile-cellular sub-basket (\$ a month)			23.9
Fixed-broadband sub-basket (\$ a month)			26.6
Trade			20.0
ICT goods exports (% of total goods exports)	0.2	0.5	9.6
ICT goods imports (% of total goods imports)	5.1	5.6	11.2
ICT service exports (% of total service exports)	13.5	9.7	30.6
Applications	10.0	0.1	55.0
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	58.9	148 2	1,067.1
ocours internet servers (per million people)	50.5	170.2	1,001.1

Gabon

Sub-Saharan Africa L	phei ii	iddle i	ICOIIIC
			Upper
	Countr		middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	1	2	2,490
Urban population (% of total)	83	86	61
GNI per capita, World Bank Atlas method (\$)	5,110	8,080	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.6	3.0	6.3
Adult literacy rate (% ages 15 and older)	84	88	94
Gross primary, secondary, tertiary school enrollment (%)			75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service	C	С	
Foreign ownership (not allowed, restricted, allowed)	Α	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	Α	
Sector efficiency and capacity			
	1.7		2.7
Telecommunications revenue (% of GDP)	1.7		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	12.4		17.8
·			17.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	12.4		20.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	2.9	1.5	20.9 92.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	2.9 53.7	1.5 117.3	20.9 20.9 3 92.4 3 9.96
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	2.9 53.7	1.5 117.3 0.29	20.9 92.4 9.96 35.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	2.9 53.7 0.11	1.5 117.3 0.29 7.6 6.0	20.9 20.9 92.4 9.96 35.9 25.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	2.9 53.7 0.11	1.5 117.3 0.29 7.6 6.0	20.9 20.9 92.4 9.96 35.9 25.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	2.9 53.7 0.11 	1.5 117.3 0.29 7.6 6.0 2.1	20.9 92.4 92.4 9.96 35.9 25.5 2.6 144.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	2.9 53.7 0.11	1.5 117.3 0.29 7.6 6.0	20.9 92.4 92.4 9.96 35.9 25.5 2.6 144.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	2.9 53.7 0.11 4.9	1.5 117.3 0.29 7.6 6.0 2.1	20.9 20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	2.9 53.7 0.11 4.9	1.5 117.3 0.29 7.6 6.0 2.1 8.0	20.5 20.5 3 92.4 9.90 35.5 2.6 144.6 3 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	2.9 53.7 0.11 4.9	1.5 117.3 0.29 7.6 6.0 2.1 8.0	20.9 20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	2.9 53.7 0.11 4.9	1.5 117.3 0.29 7.6 6.0 2.1 8.0	20.9 20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	2.9 53.7 0.11 4.9 78 17.7 2.982	1.5 117.3 0.29 7.6 6.0 2.1 8.0 	20.9 20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Wage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	2.9 53.7 0.11 4.9 78 17.7 2.982	1.5 117.3 0.29 7.6 6.0 2.1 8.0 	17.8 20.9 3 92.4 3 99.6 3 35.5 26 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	2.9 53.7 0.11 4.9 78 17.7 2,982	1.5 117.3 0.29 7.6 6.0 2.1 8.0 	20.9.9.9.9.9.9.9.35.5.5.3.25.5.5.3.38.2.2.9.8.84.6.13,200.10.0.16.0.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.0.16.0.0.16.0.0.16.0.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Wage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	2.9 53.7 0.11 4.9 78 17.7 2.982	1.5 117.3 0.29 7.6 6.0 2.1 8.0 	20.9.9.9.9.9.9.9.35.5.5.3.25.5.5.3.38.2.2.9.8.84.6.13,200.10.0.16.0.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.0.16.0.0.16.0.0.16.0.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0.0.16.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	2.9 53.7 0.11 4.9 78 17.7 2,982	1.5 117.3 0.29 7.6 6.0 2.1 8.0 	17.8 20.9 92.4 9.96 3 35.5 25.5 26 144.6 13,200 10.0 16.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	2.9 53.7 0.11 4.9 78 17.7 2,982	1.5 117.3 0.29 7.6 6.0 2.1 8.0 	17.8 20.9 3 92.4 3 35.9 25.5 2.6 144.6 3 38.2 13,200 10.0 16.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	2.9 53.7 0.11 4.9 78 17.7 2.982	1.5 117.3 0.29 7.6 6.0 2.1 8.0 18.4 6,314	17.8 20.9 3 92.4 3 99.6 3 35.9 2.6 144.6 13,200 10.0 16.0 13.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	2.9 53.7 0.11 4.9 78 17.7 2.982 	1.5 117.3 0.29 7.6 6.0 2.1 8.0 18.4 6,314 	17.8 20.9 3 92.4 3 9.96 3 35.9 25.5 2.6 144.6 3 88.2 98 84.6 13,200 10.0 16.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	2.9 53.7 0.11 4.9 78 17.7 2.982 	1.5 117.3 0.29 7.6 6.0 2.1 8.0 18.4 6,314 	17.8 20.9 3 92.4 3 92.4 3 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2 13.9 13.5 28.3

Gambia, The

Sub-Saharan Africa Low income

	Country	y data	Low- income group
-	2005	2011	2011
Economic and social context			
Population (millions)	2	2	817
Urban population (% of total)	53	57	28
GNI per capita, World Bank Atlas method (\$)	390	500	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.2	4.0	5.8
Adult literacy rate (% ages 15 and older)	37	50	63
Gross primary, secondary, tertiary school enrollment (%)		54	58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	М	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
$\label{eq:Reg.} \textit{Reg. treatment of VoIP (banned, closed, no framework, allowed)}$	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	2.9	2.8	1.1
Mobile-cellular telephone subscriptions (per 100 people)	16.5	78.9	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.02	
Households with a computer (%)	2.3	5.7	
Households with Internet access at home (%)	1.1	2.0	
Usage		2.0	
Int'l. voice traffic, total (minutes/subscription/month)			_
Domestic mobile traffic (minutes/subscription/month)	14.7		00.0
Individuals using the Internet (%)			
	3.8a	10.9	
	3.8a	10.9	
Quality	3.8ª 70		a 6.0
Quality Population covered by a mobile-cellular network (%)			a 6.0
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	70 7.6		a 6.0 24.5
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	70		a 6.0 24.5
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	70 7.6 158 ^a		a 6.0 24.5 2,941
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	70 7.6 158 ^a	 1,606	a 6.0 24.5 2,941 9.6
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	70 7.6 158 ^a	 1,606 3.5	a 6.0
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	70 7.6 158 ^a 	1,606 3.5 6.0	a 6.0
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	70 7.6 158 ^a 	1,606 3.5 6.0	a 6.0
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	70 7.6 158 ^a 	3.5 6.0 280.3	a 6.0 . 24.5 2,941 9.6 11.9 42.8
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	70 7.6 158 ^a 	 1,606 3.5 6.0 280.3 0.1 1.9	9.6 11.9 42.8
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	70 7.6 158 ^a 	 1,606 3.5 6.0 280.3	9.6 11.9 42.8
Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	70 7.6 158 ^a 	 1,606 3.5 6.0 280.3 0.1 1.9	9.6 24.5 2,941 9.6 11.9 42.8

Georgia

		iuuic i	ncome
			Lower
	Countr	y data	middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	4	4	2,533
Urban population (% of total)	52	53	39
GNI per capita, World Bank Atlas method (\$)	1,360	2,860	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	7.5	4.6	6.2
Adult literacy rate (% ages 15 and older)	100	100	71
Gross primary, secondary, tertiary school enrollment (%)	76	72	63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	A	
Sector efficiency and capacity			
	6.2	2.7	2.5
refection for the feet of the			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	30.9	36.7	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	30.9	36.7	29.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	30.9 12.7 26.2	36.7 31.1 102.3	29.0 5.6 80.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	12.7 26.2 0.05 ^a	36.7 31.1 102.3 7.51	5.6 80.1 1.25
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	12.7 26.2 0.05 ^a 3.4	31.1 102.3 7.51 18.2	5.6 80.1 1.25 10.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	12.7 26.2 0.05 ^a	36.7 31.1 102.3 7.51	5.6 80.1 1.25 10.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	12.7 26.2 0.05 ^a 3.4	31.1 102.3 7.51 18.2	5.6 80.1 1.25 10.7 7.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	12.7 26.2 0.05 ^a 3.4	31.1 102.3 7.51 18.2 16.6	5.6 80.1 1.25 10.7 7.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	12.7 26.2 0.05 ^a 3.4	31.1 102.3 7.51 18.2 16.6	5.6 80.1 1.25 10.7 7.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	12.7 26.2 0.05 ^a 3.4	31.1 102.3 7.51 18.2 16.6 6.1 97.2	5.6 80.1 1.25 10.7 7.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	12.7 26.2 0.05 ^a 3.4	31.1 102.3 7.51 18.2 16.6 6.1 97.2	29.0 5.6 80.1 1.25 10.7 7.7 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	12.7 26.2 0.05a 3.4 6.1a	31.1 102.3 7.51 18.2 16.6 6.1 97.2 36.6	5.6 80.1 1.25 10.7 7.7 6.5 16.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	12.7 26.2 0.05a 3.4 6.1a 95	31.1 102.3 7.51 18.2 16.6 6.1 97.2 36.6	5.6 80.1 1.25 10.7 7.7 6.5 86 58.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	30.9 12.7 26.2 0.05 ^a 3.4 6.1 ^a 95 1.3	31.1 102.3 7.51 18.2 16.6 6.1 97.2 36.6 99 100.0	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	30.9 12.7 26.2 0.05 ^a 3.4 6.1 ^a 95 1.3 118 ^a	36.7 31.1 102.3 7.51 18.2 16.6 6.1 97.2 36.6 99 100.0 26,695	29.0 5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	30.9 12.7 26.2 0.05a 3.4 6.1a 95 1.3 118a	36.7 31.1 102.3 7.51 18.2 16.6 6.1 97.2 36.6 99 100.0 26,695	29.0 5.6 80.1 1.25 10.7 7.7 6.5 86 58.8 6,560 5.1 11.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	30.9 12.7 26.2 0.05 ^a 3.4 6.1 ^a 95 1.3 118 ^a	36.7 31.1 102.3 7.51 18.2 16.6 6.1 97.2 36.6 99 100.0 26,695 2.3 10.2	29.0 5.6 80.1 1.25 10.7 7.7 6.5 86 58.8 6,560 5.1 11.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	30.9 12.7 26.2 0.05 ^a 3.4 6.1 ^a 95 1.3 118 ^a	36.7 31.1 102.3 7.51 18.2 16.6 6.1 97.2 36.6 99 100.0 26,695 2.3 10.2	29.0 5.6 80.1 1.25 10.7 7.7 6.5 58.8 6,560 5.1 11.3 21.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	30.9 12.7 26.2 0.05a 3.4 6.1a 95 1.3 118a	36.7 31.1 102.3 7.51 18.2 16.6 6.1 97.2 36.6 99 100.0 26,695 2.3 10.2 8.4	29.0 5.6 80.1 1.25 10.7 7.7 6.5 5.8 6,560 5.1 11.3 21.6 5.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	30.9 12.7 26.2 0.05 ^a 3.4 6.1 ^a 95 1.3 118 ^a	36.7 31.1 102.3 7.51 18.2 16.6 6.1 97.2 36.6 99 100.0 26,695 2.3 10.2 8.4	29.0 5.6 80.11 1.25 10.7 7.7 6.5 5.8 6,560 5.11 11.3 21.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	30.9 12.7 26.2 0.05 ^a 3.4 6.1 ^a 95 1.3 118 ^a	36.7 31.1 102.3 7.51 18.2 16.6 6.1 97.2 36.6 99 100.0 26,695 2.3 10.2 8.4 0.2 5.3	29.0 5.6 80.11 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	30.9 12.7 26.2 0.05 ^a 3.4 6.1 ^a 95 1.3 118 ^a	36.7 31.1 102.3 7.51 18.2 16.6 6.1 97.2 36.6 99 100.0 26,695 2.3 10.2 8.4 0.2 5.3	29.0 5.6 80.1 1.25 10.7 7.7 6.5 86 58.8 6,560 5.1 11.3 21.6 5.7 43.4

Germany

	Countr	y data	High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	82	82	1,135
Urban population (% of total)	73	74	80
GNI per capita, World Bank Atlas method (\$)	34,780	44,230	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.5	1.1	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	1.5	2.6
Telecommunications investment (% of revenue)	8.6	15.7	15.8
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	66.4	63.0	47.3
Mobile-cellular telephone subscriptions (per 100 people)	96.0	132.3	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	13.07	33.09	
Households with a computer (%)	70.0	86.9	77.3
Households with Internet access at home (%)	61.6	83.3	74.3
Usage	01.0	00.0	14.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	43.0	82.0	184.6
Individuals using the Internet (%)	68.7	83.0	75.8
Quality	00	00.0	. 0.0
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	53.9		95.0
International Internet bandwidth (bit/s per Internet user)	9,981a	74.786	70,726
Affordability	-,	,	,
Fixed-telephone sub-basket (\$ a month)		27.2	23.8
Mobile-cellular sub-basket (\$ a month)		31.5	23.9
Fixed-broadband sub-basket (\$ a month)		39.4	26.6
Trade	•		
ICT goods exports (% of total goods exports)	7.9	4.6	9.6
ICT goods imports (% of total goods imports)	11.5	7.9	11.2
ICT service exports (% of total service exports)	29.7	32.5	30.6
Applications		32.0	30.0
Online service index (0-1, 1=highest presence)	0.71	0.75	0.67
Secure Internet servers (per million people)	274.2		1,067.1
(F2		,	,

Ghana

Sub-Saharan Africa	Lower m	niddle i	ncome
	Countr	y data	Lower middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	22	25	2,533
Urban population (% of total)	48	52	,
GNI per capita, World Bank Atlas method (\$)	460	1,410	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.1	7.4	
Adult literacy rate (% ages 15 and older)	58	67	71
Gross primary, secondary, tertiary school enrollment (%)	53	65	63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		P	
Mobile telephone service	Р	Р	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	А	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) C	C	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	1.5 13.3	2.9 80.4 1.1 84.8	29.0
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.25	
Households with a computer (%)	2.1	9.1	
Households with Internet access at home (%)	0.3		
Usage	0.0		
Int'l. voice traffic, total (minutes/subscription/month)	14.6	7.5	6.5
Domestic mobile traffic (minutes/subscription/month)		0.1	
Individuals using the Internet (%)	1.8	14.1	a 16.2
Quality Deputation covered by a mabile collular naturals (%)	59	85	86
Population covered by a mobile-cellular network (%)	17.8	99.5	
Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	424	225	
Affordability Fixed-telephone sub-basket (\$ a month)		5.5	5.1
Mobile-cellular sub-basket (\$ a month)		7.0	
Fixed-broadband sub-basket (\$ a month)		31.5	
Trade		31.0	21.0
ICT goods exports (% of total goods exports)	0.0	0.0	5.7
ICT goods imports (% of total goods imports)	4.8	5.3	
ICT service exports (% of total service exports)			40.4
Applications			. 43.4
Online service index (0-1, 1=highest presence)	0.30	0.30	0.32
Secure Internet servers (per million people)	0.30	3.1	
Social interior solvers (per million people)	0.1	5.1	. 0.0

Greece

	Country	y data	High- income group
	2005	2011	2011
Economic and social context			
Population (millions)	11	11	1,135
Urban population (% of total)	60	61	80
GNI per capita, World Bank Atlas method (\$)	21,400	24,490	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.2	-1.2	0.7
Adult literacy rate (% ages 15 and older)	96	97	98
Gross primary, secondary, tertiary school enrollment (%)	99		94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	Р	P	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.0	3.1	2.6
Telecommunications investment (% of revenue)	9.4	14.9	15.8
Sector performance			
Access	50.4	50.4	47.0
Fixed-telephone subscriptions (per 100 people)	56.4	50.4	
Mobile-cellular telephone subscriptions (per 100 people)	91.7	106.5	
Fixed (wired)-broadband subscriptions (per 100 people)	1.43	21.62	
Households with a computer (%)	33.0	57.2	
Households with Internet access at home (%)	21.7	50.2	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	13.9	13.3	
Domestic mobile traffic (minutes/subscription/month)	49.3	40.7	
Individuals using the Internet (%)	24.0	53.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	100a	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	18.1	98.1	
International Internet bandwidth (bit/s per Internet user) Affordability	2,427ª	26,008	70,726
Fixed-telephone sub-basket (\$ a month)		23.8	23.8
Mobile-cellular sub-basket (\$ a month)		36.6	23.9
Fixed-broadband sub-basket (\$ a month)		19.2	
Trade	•		
ICT goods exports (% of total goods exports)	2.8	2.0	9.6
ICT goods imports (% of total goods imports)	5.7	5.0	
ICT service exports (% of total service exports)	6.6	7.7	
Applications	0.0		55.0
Online service index (0-1, 1=highest presence)	0.57	0.58	0.67
Secure Internet servers (per million people)	31.4		1,067.1
ocours internet servers (per million people)	51.4	100.0	1,001.1

Greenland

	Counti	ry data	High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	0.06	0.06	1,135
Urban population (% of total)	83	85	80
GNI per capita, World Bank Atlas method (\$)	29,690	26,020	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.7	1.5	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			0.0
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)	••	••	15.8
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	56.2	34.7	47.3
Mobile-cellular telephone subscriptions (per 100 people)	81.3	102.5	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	12.46	20.65	27.30
Households with a computer (%)		20.00	77.3
Households with Internet access at home (%)			74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)		0.1	184.6
Individuals using the Internet (%)	57.7	64.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	90	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	100.0	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	909	16,362	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)			23.8
Mobile-cellular sub-basket (\$ a month)			23.9
Fixed-broadband sub-basket (\$ a month)			26.6
Trade			
ICT goods exports (% of total goods exports)	0.1		9.6
ICT goods imports (% of total goods imports)	5.8		11.2
ICT service exports (% of total service exports) Applications			30.6
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	212.2	1,640.5	1,067.1

Grenada

	ui	UIIL	ıuu
Latin America & Caribbean	Jpper n	niddle i	ncome
	Count	ry data	Upper middle- income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.10	0.10	2,490
Urban population (% of total)	37	39	6:
GNI per capita, World Bank Atlas method (\$)	6,820	7,350	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.6	-0.5	
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)		91	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	М	С	
Internet service		C	
Foreign ownership (not allowed, restricted, allowed)		A	
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	Α	
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	5.8 19.1	6.7 13.4	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	26.7	27.2	20.9
Mobile-cellular telephone subscriptions (per 100 people)	45.6	116.7	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	3.14	13.82	9.90
Households with a computer (%)			35.9
Households with Internet access at home (%)			25.
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	100.5	46.6	2.0
Domestic mobile traffic (minutes/subscription/month)	133.5	200.9	144.0
Individuals using the Internet (%)	20.5	33.5	a 38.2
Quality			
Population covered by a mobile-cellular network (%)			. 98
Fixed (wired)-broadband subscriptions (% of total Internet)	57.3	100.0	84.0
International Internet bandwidth (bit/s per Internet user)	19,505	100,111	a 13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)		13.4	10.
Mobile-cellular sub-basket (\$ a month)		17.1	16.0
Fixed-broadband sub-basket (\$ a month)		29.4	18.2
Trade			
ICT goods exports (% of total goods exports)	1.5	2.0	13.9
ICT goods imports (% of total goods imports)	4.8	4.4	13.
IOT complex companies (0) of total complex companies	450	10.1	00.

28.3

0.46

19.9

15.8

0.45

29.2

16.4

0.35

47.5

ICT service exports (% of total service exports)

Online service index (0-1, 1=highest presence)

Secure Internet servers (per million people)

Applications

High income

Guam

	Country	y data	High- income
-	2005	2011	group 2011
Economic and social context			
Population (millions)	0.17	0.18	1.135
Urban population (% of total)	93	93	80
GNI per capita, World Bank Atlas method (\$)			39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)			0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			15.8
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	38.9ª	36.4	47.3
Mobile-cellular telephone subscriptions (per 100 people)	59.1		114.1
Fixed (wired)-broadband subscriptions (per 100 people)	1.56	1.67	
Households with a computer (%)	1.00	1.01	77.3
Households with Internet access at home (%)			74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			184.6
Individuals using the Internet (%)	38.6	50.6	75.8
Quality			
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			95.0
International Internet bandwidth (bit/s per Internet user) Affordability			70,726
Fixed-telephone sub-basket (\$ a month)			23.8
Mobile-cellular sub-basket (\$ a month)			23.9
Fixed-broadband sub-basket (\$ a month)			26.6
Trade			
ICT goods exports (% of total goods exports)			9.6
ICT goods imports (% of total goods imports)			11.2
ICT service exports (% of total service exports)			30.6
Applications			
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	106.8	222.4	1,067.1

Guatemala

Latin America & Caribbean

Lower middle income

	Countr	w data	Lower middle- income
-	Countr 2005	2011	group 2011
Economic and social context			
Population (millions)	13	15	2,533
Urban population (% of total)	47	50	39
GNI per capita, World Bank Atlas method (\$)	2,070	2,870	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.1	3.4	6.2
Adult literacy rate (% ages 15 and older)	69	75	71
Gross primary, secondary, tertiary school enrollment (%)	71		63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	C	
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	A	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			0.5
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)		•	29.0
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	9.8	11.0	5.6
Mobile-cellular telephone subscriptions (per 100 people)	35.5	140.4	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.21	1.80	a 1.25
Households with a computer (%)	10.7	15.8	a 10.7
Households with Internet access at home (%)	2.1		7.7
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	32.1	10.3	6.5
Domestic mobile traffic (minutes/subscription/month)	51.4	50.7	
Individuals using the Internet (%)	5.7	11.7	a 16.2
Quality			
Population covered by a mobile-cellular network (%)	76		
Fixed (wired)-broadband subscriptions (% of total Internet)			
International Internet bandwidth (bit/s per Internet user) Affordability	974	6,934	a 6,560
Fixed-telephone sub-basket (\$ a month)		5.6	5.1
Mobile-cellular sub-basket (\$ a month)		8.8	11.3
Fixed-broadband sub-basket (\$ a month)		27.3	21.6
Trade			
ICT goods exports (% of total goods exports)	0.3	0.3	5.7
ICT goods imports (% of total goods imports)	6.0	6.0	6.7
ICT service exports (% of total service exports)	19.3	21.1	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.43	0.46	
Secure Internet servers (per million people)	5.5	14.5	3.5

Guinea

Sub-Saharan Africa Low income

	Countr	y data	Low- income
-	2005	2011	group 2011
Economic and social context			
Population (millions)	9	10	817
Urban population (% of total)	33	35	28
GNI per capita, World Bank Atlas method (\$)	360	430	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.0	2.3	5.8
Adult literacy rate (% ages 15 and older)	30	41	63
Gross primary, secondary, tertiary school enrollment (%)	46	57	58
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			
Sector performance			
Access	0.22	0.0	a 11
Fixed-telephone subscriptions (per 100 people)	0.3a 2.1	0.2	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.00	44.0 0.01	
Households with a computer (%)		1.5	2
Households with Internet access at home (%)		1.0	
Usage		1.0	
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			000
Individuals using the Internet (%)	0.5	1.3	
Quality	0.0	1.0	0.0
Population covered by a mobile-cellular network (%)	80	80	
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0		24.5
International Internet bandwidth (bit/s per Internet user)	41a	1,731	a 2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)		1.6	9.6
Mobile-cellular sub-basket (\$ a month)		4.1	11.9
Fixed-broadband sub-basket (\$ a month)		800.0	42.8
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	
ICT goods imports (% of total goods imports)	0.7	5.2	
ICT service exports (% of total service exports)	1.1	49.3	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.14	0.00	
Secure Internet servers (per million people)		0.6	0.8

Guinea-Bissau

Sub-Saharan Africa Low income

	Countr	y data	Low- income
-	2005	2011	group 2011
Economic and social context			
Population (millions)	1	2	817
Urban population (% of total)	40	44	28
GNI per capita, World Bank Atlas method (\$)	410	600	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.7	4.2	5.8
Adult literacy rate (% ages 15 and older)	41	54	63
Gross primary, secondary, tertiary school enrollment (%)	62		58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	Р	
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.7	0.3	a 1.1
Mobile-cellular telephone subscriptions (per 100 people)	7.2	56.2	a 41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	0.12
Households with a computer (%)			
Households with Internet access at home (%)			
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			86.3
Individuals using the Internet (%)	1.9	2.7	6.0
Quality	C.F.		
Population covered by a mobile-cellular network (%)	65		
Fixed (wired)-broadband subscriptions (% of total Internet)		0.0	
International Internet bandwidth (bit/s per Internet user)	2ª	54	2,941
Affordability			0.0
Fixed-telephone sub-basket (\$ a month)			9.6
Mobile-cellular sub-basket (\$ a month)			11.9
Fixed-broadband sub-basket (\$ a month)			42.8
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)	1.8		
ICT service exports (% of total service exports)	10.5	55.4	18.6
Applications Online service index (0-1, 1=highest presence)	0.15	0.10	0.20
Secure Internet servers (per million people)		1.3	0.20
Secure internet servers (per minion people)		1.3	0.8

Guyana

Telecommunications investment (% of revenue) Sector performance	2005 0.75 28 1,090 0.8 78 Yes Mixed C	7y data 2011 0.76 28 2,900 4.2 70 Yes Mixed M P C 5.2 19.2	399 1,772 6.2 71 63
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	2005 0.75 28 1,090 0.8 78 Yes Mixed C B 6.3	2011 0.76 28 2,900 4.2 70 Yes Mixed M P P C	2,533 39 1,772 6.2 71 63
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	0.75 28 1,090 0.8 78 Yes Mixed C	0.76 28 2,900 4.2 70 Yes Mixed M P P C	2,533 39 1,772 6.2 71 63
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	28 1,090 0.8 78 Yes Mixed C B	28 2,900 4.2 70 Yes Mixed M P P C C	399 1,772 6.2 71 63
Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	1,090 0.8 78 Yes Mixed C B	2,900 4.2 70 Yes Mixed M P P C	1,772 6.2 71 63
GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	0.8 78 Yes Mixed C B	4.2 70 Yes Mixed M P P C	6.2
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	Yes Mixed C	Yes Mixed M P P C	2.5
Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	Yes Mixed C B	Yes Mixed M P P C	2.5
Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	Yes Mixed C B	Yes Mixed M P P C	2.5
Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	Mixed	Mixed M P P C C	
Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	Mixed	Mixed M P P C C	
Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	 C) B	M P P C	
International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	C B	P P C	
Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	C B	P P C	
Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	 B 6.3	P C	
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	6.3	5.2	
Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	6.3	5.2	
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	6.3	5.2	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)			
Access Fixed-telephone subscriptions (per 100 people)			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	50.0	19.2	29.0
Access Fixed-telephone subscriptions (per 100 people)			
Mobile-cellular telephone subscriptions (per 100 people)	14.8	20.2	5.6
	37.7	69.9	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.27	2.65	1.25
Households with a computer (%)	5.9	7.2	10.7
Households with Internet access at home (%)	2.7	6.1	7.7
Usage	21.7	151	6.1
Int'l. voice traffic, total (minutes/subscription/month)	21.7	15.1	6.5
Domestic mobile traffic (minutes/subscription/month)	24.7	35.2 32.0	16.2
Individuals using the Internet (%) Quality		32.0	10.2
Population covered by a mobile-cellular network (%)	95	97	86
Fixed (wired)-broadband subscriptions (% of total Internet)	4.2	68.2	58.8
International Internet bandwidth (bit/s per Internet user)	4.2	4,547	6,560
Affordability		4,541	0,500
Fixed-telephone sub-basket (\$ a month)		3.1	5.1
Mobile-cellular sub-basket (\$ a month)		8.4	11.3
Fixed-broadband sub-basket (\$ a month)		24.9	21.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.3	5.7
ICT goods imports (% of total goods imports)	1.9	3.6	6.7
ICT service exports (% of total service exports)	42.4	32.1	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.44	0.25	0.32
Secure Internet servers (per million people)	1.3	5.3	3.5

Latin America & Caribbean

Low income

	Countr	v doto	Low- income
-	2005	2011	group 2011
Economic and social context			
Population (millions)	9	10	817
Urban population (% of total)	44	53	
GNI per capita, World Bank Atlas method (\$)	400	700	571
GDP growth, 2000–05 and 2005–11 (avg. annual %)	-0.7	1.2	5.8
Adult literacy rate (% ages 15 and older)	49		63
Gross primary, secondary, tertiary school enrollment (%)			58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	Р	C	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	1.6a	0.5	1.1
Mobile-cellular telephone subscriptions (per 100 people)	5.4a	41.5	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	
Households with a computer (%)			
Households with Internet access at home (%)			
Usage			-
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			86.3
Individuals using the Internet (%)	6.4	8.4	a 6.0
Quality			
Population covered by a mobile-cellular network (%)			
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0		24.5
International Internet bandwidth (bit/s per Internet user) Affordability	227ª		2,941
Fixed-telephone sub-basket (\$ a month)			9.6
Mobile-cellular sub-basket (\$ a month)			44.0
Fixed-broadband sub-basket (\$ a month)			40.0
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			18.6
Applications	•		
Online service index (0-1, 1=highest presence)	0.21	0.09	0.20
Secure Internet servers (per million people)	0.6	1.7	0.8

Honduras

Latin America & Caribbean L	ower m	iaaie i	ncome
	Country data		Lower middle- income group
	2005	2011	2011
Economic and social context			
Population (millions)	7	8	2,533
Urban population (% of total)	49	52	39
GNI per capita, World Bank Atlas method (\$)	1,400	1,980	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.7	3.1	6.2
Adult literacy rate (% ages 15 and older)	84	85	71
Gross primary, secondary, tertiary school enrollment (%)		75	63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	М	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.1	6.1	2.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	23.5	6.1 2.9	
Telecommunications investment (% of revenue) Sector performance Access			29.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	23.5	2.9	29.0 5.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	7.2 18.6	7.9 104.0	29.0 5.6 80.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	7.2 18.6 0.00	7.9 104.0 0.43	5.6 80.1 1.25
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	7.2 18.6 0.00 6.3	7.9 104.0	5.6 80.1 1.25 a 10.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	7.2 18.6 0.00	7.9 104.0 0.43 12.9	5.6 80.1 1.25 a 10.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	7.2 18.6 0.00 6.3	7.9 104.0 0.43 12.9	5.6 80.1 1.25 10.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	7.2 18.6 0.00 6.3 1.5	7.9 104.0 0.43 12.9 6.8	5.6 80.1 1.25 10.7 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	7.2 18.6 0.00 6.3 1.5	7.9 104.0 0.43 12.9 6.8	5.6 80.1 1.25 10.7 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	7.2 18.6 0.00 6.3 1.5 25.3 43.0	7.9 104.0 0.43 12.9 6.8 20.7 24.9	5.6 80.1 1.25 10.7 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	7.2 18.6 0.00 6.3 1.5 25.3 43.0	7.9 104.0 0.43 12.9 6.8 20.7 24.9	5.6 80.1 1.25 10.7 3 7.1 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	7.2 18.6 0.00 6.3 1.5 25.3 43.0 6.5	7.9 104.0 0.43 12.9 6.8 20.7 24.9	5.6 80.1 1.25 10.7 6.5 16.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	7.2 18.6 0.00 6.3 1.5 25.3 43.0 6.5	7.9 104.0 0.43 12.9 6.8 20.7 24.9 15.9	5.6 80.1 1.25 10.7 6.5 16.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	7.2 18.6 0.00 6.3 1.5 25.3 43.0 6.5 90 0.0 1,118 ^a	7.9 104.0 0.43 12.9 6.8 20.7 24.9 15.9 0.0 4,866	29.0 5.6 80.1 1.25 10.7 6.5 16.2 86 58.6 6,560
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	7.2 18.6 0.00 6.3 1.5 25.3 43.0 6.5 90 0.0 1,118 ^a	7.9 104.0 0.43 12.9 6.8 20.7 24.9 15.9 0.0 4,866	29.0 5.6 80.1 1.25 10.7 7.7 6.5 6.5 6,560 5.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	23.5 7.2 18.6 0.00 6.3 1.5 25.3 43.0 6.5 90 0.0 1,118a	7.9 104.0 0.43 12.99 6.8 20.7 24.9 15.9 0.0 4,866 6.3 17.0	29.0 5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 5.8.8 6,560 5.11
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	7.2 18.6 0.00 6.3 1.5 25.3 43.0 6.5 90 0.0 1,118 ^a	7.9 104.0 0.43 12.9 6.8 20.7 24.9 15.9 0.0 4,866	29.0 5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 5.8.8 6,560 5.11
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	23.5 7.2 18.6 0.00 6.3 1.5 25.3 43.0 6.5 90 0.0 1,118 ^a	7.9 104.0 0.43 12.9 6.8 20.7 24.9 15.9 0.0 4,866 6.3 17.0 19.0	29.0 5.6 80.1 1.25 3 10.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	23.5 7.2 18.6 0.00 6.3 1.5 25.3 43.0 6.5 90 0.0 1,118 ^a	7.9 104.0 0.43 12.9 6.8 20.7 24.9 15.9 0.0 4,866 6.3 17.0 19.0	29.0 5.6 80.11 1.25 10.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	23.5 7.2 18.6 0.00 6.3 1.5 25.3 43.0 6.5 90 0.0 1,118 ^a 1.1 5.6	7.9 104.0 0.43 12.9 6.8 20.7 24.9 15.9 0.0 4,866 6.3 17.0 19.0	29.0 5.6 80.1 1.28 10.1 6.5 5.6 5.1 11.3 21.6 5.1 6.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	23.5 7.2 18.6 0.00 6.3 1.5 25.3 43.0 6.5 90 0.0 1,118 ^a	7.9 104.0 0.43 12.9 6.8 20.7 24.9 15.9 0.0 4,866 6.3 17.0 19.0	29.0 5.6 80.1 1.25 10.7 7.7 6.5 5.8 6,560 5.1 11.3 21.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	23.5 7.2 18.6 0.00 6.3 1.5 25.3 43.0 6.5 90 0.0 1,118 ^a 1.1 5.6 8.1	7.9 104.0 0.43 12.9 6.8 20.7 24.9 15.9 0.0 4,866 6.3 17.0 19.0 0.1 6.3 11.4	29.0 5.6 80.1 1.25 10.7 7.7 6.5 6.5 6,560 5.1 11.3 21.6 5.7 43.4
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	23.5 7.2 18.6 0.00 6.3 1.5 25.3 43.0 6.5 90 0.0 1,118 ^a 1.1 5.6	7.9 104.0 0.43 12.9 6.8 20.7 24.9 15.9 0.0 4,866 6.3 17.0 19.0	29.0 5.6 80.1 1.25 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6 5.7 43.4

Hong Kong SAR, China

	Coun	Country data	
	2005	5 2011	group 2011
Economic and social context			
Population (millions)	7	7	1,135
Urban population (% of total)	100	100	80
GNI per capita, World Bank Atlas method (\$)	28,890	36,010	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.2	3.5	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	74	82	94
Sector structure			
Separate telecommunications/ICT regulator		Yes	
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	ed) A	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.6	3.2	2.6
Telecommunications investment (% of revenue)	18.3	13.4	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	55.7	61.0	47.3
Mobile-cellular telephone subscriptions (per 100 people)	125.5	214.7	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	24.36	31.58	27.30
Households with a computer (%)	70.1	77.9	77.3
Households with Internet access at home (%)	64.6	76.4	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		66.0	
Domestic mobile traffic (minutes/subscription/month)		117.6	184.6
Individuals using the Internet (%)	56.9	74.5	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	63.1	73.5	95.0
International Internet bandwidth (bit/s per Internet user)	16,936	1,046,329	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)		14.2	23.8
Mobile-cellular sub-basket (\$ a month)		9.8	23.9
Fixed-broadband sub-basket (\$ a month)		21.2	26.6
Trade			
ICT goods exports (% of total goods exports)	38.3	42.5	9.6
ICT goods imports (% of total goods imports)	38.2	40.4	11.2
ICT service exports (% of total service exports)	18.4	16.3	30.6
Applications			
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	162.3	643.2	1,067.1
(Fr		2.3.2	,

High income

Hungary

	Country data		High- income group
	2005	2011	2011
Economic and social context			
Population (millions)	10	10	1,135
Urban population (% of total)	66	69	80
GNI per capita, World Bank Atlas method (\$)	10,220	12,730	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.2	-0.5	0.7
Adult literacy rate (% ages 15 and older)	99	99	98
Gross primary, secondary, tertiary school enrollment (%)	89	90	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.6	3.3	2.6
Telecommunications investment (% of revenue)	9.1	15.8	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	33.9	29.4	47.3
Mobile-cellular telephone subscriptions (per 100 people)	92.4	117.3	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	6.46	22.16	27.30
Households with a computer (%)	42.0	69.7	77.3
Households with Internet access at home (%)	22.1	65.2	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	6.8	8.9	
Domestic mobile traffic (minutes/subscription/month)	84.5	127.3	184.6
Individuals using the Internet (%)	39.0	59.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	66.7	99.4	95.0
International Internet bandwidth (bit/s per Internet user) Affordability	8,904	12,245	70,726
Fixed-telephone sub-basket (\$ a month)		22.1	23.8
Mobile-cellular sub-basket (\$ a month)		27.6	23.9
Fixed-broadband sub-basket (\$ a month)		21.7	26.6
Trade		21.1	20.0
ICT goods exports (% of total goods exports)	25.6	21.6	9.6
ICT goods imports (% of total goods imports)	18.7	17.5	11.2
ICT service exports (% of total service exports)	20.3	29.3	30.6
Applications	20.3	23.3	30.0
Online service index (0-1, 1=highest presence)	0.65	0.69	0.67
Secure Internet servers (per million people)	30.0		1,067.1
ocodio intomor sorvers (per million people)	30.0	202.0	1,001.1

Iceland

	Count	Country data	
	2005	2011	group 2011
Economic and social context			
Population (millions)	0.30	0.32	1,135
Urban population (% of total)	93	94	80
GNI per capita, World Bank Atlas method (\$)	49,620	34,820	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.0	-0.1	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	95	97	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.8	2.0	
Telecommunications investment (% of revenue)	19.5	12.0	15.8
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	65.3	58.9	47.3
Mobile-cellular telephone subscriptions (per 100 people)	95.4	106.1	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	26.29	33.92	27.30
Households with a computer (%)	89.0	94.7	77.3
Households with Internet access at home (%)	84.4	92.6	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	18.7	17.1	
Domestic mobile traffic (minutes/subscription/month)	125.4	180.8	184.6
Individuals using the Internet (%)	87.0	95.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	99	
Fixed (wired)-broadband subscriptions (% of total Internet)	89.6	95.9	
International Internet bandwidth (bit/s per Internet user) Affordability	4,803	287,139	70,726
Fixed-telephone sub-basket (\$ a month)		19.0	23.8
Mobile-cellular sub-basket (\$ a month)		17.9	23.9
Fixed-broadband sub-basket (\$ a month)		26.8	26.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	9.6
ICT goods imports (% of total goods imports)	6.4	4.4	11.2
ICT service exports (% of total service exports)	21.4	27.1	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.72	0.54	0.67
Secure Internet servers (per million people)	1,004.3	3,064.4	1,067.1

India

Economic and social context Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	Countr 2005 1,140 29 730 6.7 63 60 Yes Mixed C C C C R 4) A		6.2
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	1,140 29 730 6.7 63 60 Yes Mixed C C C R R	1,241 31 1,420 7.9 65 Yes Mixed C C C C R A	2,533 39 1,772 6.2 77 63
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	29 730 6.7 63 60 Yes Mixed C C C C R A	31 1,420 7.9 65 Yes Mixed C C C C R A	39 1,772 6.2 71 63
Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	29 730 6.7 63 60 Yes Mixed C C C C R A	31 1,420 7.9 65 Yes Mixed C C C C R A	39 1,772 6.2 71 63
Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	29 730 6.7 63 60 Yes Mixed C C C C R A	31 1,420 7.9 65 Yes Mixed C C C C R A	39 1,772 6.2 71 63
GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	6.7 63 60 Yes Mixed C C C C C R A	7.9 65 Yes Mixed C C C C R A	6.2
GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	63 60 Yes Mixed C C C C R A	7.9 65 Yes Mixed C C C C R A	6.2
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	Yes Mixed C C C C R A	Yes Mixed C C C C R A	2.5
Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	Yes Mixed C C C C R A A	Yes Mixed C C C C R A	2.5
Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	Mixed C C C R A 1) A	Mixed C C C R A	
Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	Mixed C C C R A 1) A	Mixed C C C R A	
Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	C C C R A	C C C R A	
International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	C C R A A 2.4	C C R A	
Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	C C R A A 2.4	C C R A	
Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	C R A A 2.4	C R A	
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	R A A 2.4	2.1	
Reg. treatment of VoIP (banned, closed, no framework, allowed Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	2.4	2.1	
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	2.4	2.1	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access			
Telecommunications investment (% of revenue) Sector performance Access			
Sector performance Access	50.5	36.5	29.0
Access			
Fixed telephone subscriptions (nor 100 possils)			
Fixed-telephone subscriptions (per 100 people)	4.4	2.6	5.0
Mobile-cellular telephone subscriptions (per 100 people)	7.9	72.0	80.:
Fixed (wired)-broadband subscriptions (per 100 people)	0.12	1.08	1.2
Households with a computer (%)		6.1	10.
Households with Internet access at home (%)		4.2	7.
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	5.6	4.9	6.
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	2.4a	10.1	16.2
Quality			
Population covered by a mobile-cellular network (%)	31	83	80
Fixed (wired)-broadband subscriptions (% of total Internet)	19.4	59.6	58.8
International Internet bandwidth (bit/s per Internet user) Affordability	735	6,319	6,560
Fixed-telephone sub-basket (\$ a month)		2.9	5.
Mobile-cellular sub-basket (\$ a month)		3.5	11.3
Fixed-broadband sub-basket (\$ a month)		6.1	21.0
Trade		0.1	
ICT goods exports (% of total goods exports)	1.1	2.2	5.
ICT goods imports (% of total goods imports)	7.6	6.0	6.7
ICT service exports (% of total service exports)	67.2	61.5	
Applications	31.2	01.0	10
Online service index (0-1, 1=highest presence)	0.38	0.54	0.32
Secure Internet servers (per million people)	0.56	3.5	3.5

Indonesia

East Asia & Pacific	Lower middle income

	Countr	v data	Lower middle- income
-	Country 2005	2011	group 2011
Economic and social context			
Population (millions)	227	242	2,533
Urban population (% of total)	46	51	,
GNI per capita, World Bank Atlas method (\$)	1,220	2,940	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.7	5.8	6.2
Adult literacy rate (% ages 15 and older)	92	93	71
Gross primary, secondary, tertiary school enrollment (%)	65	76	63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	3
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	С	C	;
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	1.9	
Telecommunications investment (% of revenue)	28.3	18.6	29.0
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	5.9	15.9	5.6
Mobile-cellular telephone subscriptions (per 100 people)	20.6	103.1	
Fixed (wired)-broadband subscriptions (per 100 people)	0.05a	1.13	
Households with a computer (%)	3.7	12.0	
Households with Internet access at home (%)	1.0	7.0	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			. 6.5
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	3.6	18.0	a 16.2
Quality			
Population covered by a mobile-cellular network (%)	90	100	86
Fixed (wired)-broadband subscriptions (% of total Internet)	5.8	57.5	58.8
International Internet bandwidth (bit/s per Internet user)	184a	7,196	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)		4.6	5.1
Mobile-cellular sub-basket (\$ a month)		8.1	11.3
Fixed-broadband sub-basket (\$ a month)		21.6	21.6
Trade			
ICT goods exports (% of total goods exports)	8.1	3.9	5.7
ICT goods imports (% of total goods imports)	3.6	7.4	
ICT service exports (% of total service exports)	29.7	34.3	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.41	0.50	
Secure Internet servers (per million people)	0.5	4.0	3.5

Iran, Islamic Rep.

Middle East & North Africa	Jpper m	per middle in		
	Country		Upper middle- income	
	2005	2011	group 2011	
Economic and social context				
Population (millions)	70	75	2,490	
Urban population (% of total)	68	69	6:	
GNI per capita, World Bank Atlas method (\$)	2,550	4.520	6,563	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	5.9	4.5	6.3	
Adult literacy rate (% ages 15 and older)	82	85	94	
Gross primary, secondary, tertiary school enrollment (%)	64	77	7	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Public	Public		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	M	М		
Mobile telephone service	Р	С		
Internet service	Р	С		
Foreign ownership (not allowed, restricted, allowed)	R	R		
Reg. treatment of VoIP (banned, closed, no framework, allowed) B	С		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	1.4	2.3	2.	
Telecommunications investment (% of revenue)	74.5		17.8	
Sector performance Access				
Fixed-telephone subscriptions (per 100 people)				
Tixou telephone subscriptions (per 100 people)	29.2	37.1		
Mobile-cellular telephone subscriptions (per 100 people)	12.2	74.9	92.	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)		74.9 2.37	92. 9.9	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	12.2	74.9 2.37 33.7	92.4 9.9 35.1	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	12.2 0.14	74.9 2.37	92.4 9.9 35.1	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	12.2 0.14 	74.9 2.37 33.7	92. 9.9 35. 25.	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	12.2 0.14	74.9 2.37 33.7° 20.8°	92.4 9.9 35.1 25.	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	12.2 0.14 2.9 ^a	74.9 2.37 33.7° 20.8° 	92.4 9.90 35.9 25.9 2.0 144.0	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	12.2 0.14 2.9a	74.9 2.37 33.7° 20.8°	92.4 9.9 35.1 25.1 2.1 144.1	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	12.2 0.14 2.9 ^a 8.1 ^a	74.9 2.37 33.7° 20.8° 109.4 21.0°	92 9.9 35 25 2.1 144 38	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	12.2 0.14 2.9 ^a	74.9 2.37 33.7° 20.8° 109.4 21.0°	92. 9.9 35. 25. 2. 144. 38.	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	12.2 0.14 2.9 ^a 8.1 ^a	74.9 2.37 33.7° 20.8° 109.4 21.0° 96 33.8	92 9.9 35 25 2.1 144 38 9 84	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	12.2 0.14 2.9 ^a 8.1 ^a	74.9 2.37 33.7° 20.8° 109.4 21.0°	92 9.9 35 25 2.1 144 38 9 84	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	12.2 0.14 2.9 ^a 8.1 ^a 75 	74.9 2.37 33.7° 20.8° 109.4 21.0° 96 33.8 3,540	92. 9.9 35. 25. 2. 144. 38. 9 84. 13,20	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	12.2 0.14 2.9 ^a 8.1 ^a 75 604 ^a	74.9 2.37 33.7° 20.8° 109.4 21.0° 96 33.8 3,540	92.4 9.90 35.5 25.8 2.0 144.0 38.2 98 84.0 13,200	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	12.2 0.14 2.9a 8.1a 75 604a	74.9 2.37 33.7° 20.8° 109.4 21.0° 96 33.8 3,540 0.2 3.6	92 9.99 35 25 2 144 38 9. 84 13,200 10 16	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	12.2 0.14 2.9 ^a 8.1 ^a 75 604 ^a	74.9 2.37 33.7° 20.8° 109.4 21.0° 96 33.8 3,540	92.4 9.96 35.9 25.8 2.6 144.6 38.2 98 84.6 13,200 10.6	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	12.2 0.14 2.9 ^a 8.1 ^a 75 604 ^a	74.9 2.37 33.7° 20.8° 109.4 21.0° 96 33.8 3,540 0.2 3.6 30.5	92 9.90 35.: 25.: 2.144 38.: 9.84 13,200 10 16 18.:	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	12.2 0.14 2.9 ^a 8.1 ^a 75 604 ^a 	74.9 2.37 33.7°20.8° 109.4 21.0° 96 33.8 3,540 0.2 3.6 30.5	92 9.99 35.: 25.: 2.144 38.: 9.84 13,200 10 16 18.:	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	12.2 0.14 2.9 ^a 8.1 ^a 75 604 ^a 	74.9 2.37 33.7°20.8° 109.4 21.0° 96 33.8 3,540 0.2 3.6 30.5 0.0 3.6	92.4 9.96 35.5 25.5 2.6 144.6 38.2 98 4.6 13,200 10.6 18.2 13.9	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	12.2 0.14 2.9 ^a 8.1 ^a 75 604 ^a 	74.9 2.37 33.7°20.8° 109.4 21.0° 96 33.8 3,540 0.2 3.6 30.5	92.4 9.96 35.5 25.5 2.6 144.6 38.2 98 4.6 13,200 10.6 18.2 13.9	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	12.2 0.14 2.9a 8.1a 75 604a 0.0 4.6	74.9 2.37 33.7 ^e 20.8 ^e 109.4 21.0 ^e 96 33.8 3,540 0.2 3.6 30.5 0.0 3.6	25.8 2.0 144.0 38.2 98.4.1 13,200 10.0 16.0 18.2 13.8 28.3	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	12.2 0.14 2.9 ^a 8.1 ^a 75 604 ^a 	74.9 2.37 33.7°20.8° 109.4 21.0° 96 33.8 3,540 0.2 3.6 30.5 0.0 3.6	92.4 9.96 35.5 25.5 2.6 144.6 38.2 98 4.6 13,200 10.6 18.2 13.9	



Middle East & North Africa I	ower m	iddle i	ncome
	Countr	y data	Lower middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	28	33	2,533
Urban population (% of total)	67	67	39
GNI per capita, World Bank Atlas method (\$)	1,150	2,640	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-7.6	5.0	6.2
Adult literacy rate (% ages 15 and older)	74	78	
Gross primary, secondary, tertiary school enrollment (%)	63		63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		М	
Mobile telephone service		P	
Internet service		P	1
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed) B	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.5
Telecommunications investment (% of revenue)			29.0
Santar naufaumanaa			
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	4.1	5.5	a 5.6
Mobile-cellular telephone subscriptions (per 100 people)	5.6	78.1	a 80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	1.25
Households with a computer (%)	5.0	18.2	10.7
Households with Internet access at home (%)		8.6	7.7
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			6.5
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	0.9a	5.0	a 16.2
Quality			
Population covered by a mobile-cellular network (%)	68		. 86
Fixed (wired)-broadband subscriptions (% of total Internet)	72.1	28.5	58.8
International Internet bandwidth (bit/s per Internet user)	130	61	a 6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)		0.4	
Mobile-cellular sub-basket (\$ a month)		12.5	
Fixed-broadband sub-basket (\$ a month) Trade		211.3	21.6
Irade ICT goods exports (% of total goods exports)			5.7
			0 7
ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	5.0	4.4	
Applications	5.0	4.4	43.4
Online service index (0-1, 1=highest presence)	0.27	0.29	0.32
Secure Internet servers (per million people)	0.27	0.29	
Secure interner servers (her million heahie)	0.0	0.1	3.3

Ireland

	Country data		High- income group
	2005	2011	2011
Economic and social context			
Population (millions)	4	5	1,135
Urban population (% of total)	60	62	80
GNI per capita, World Bank Atlas method (\$)	42,250	39,150	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.9	-0.7	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	96	105	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	1.7	2.6
Telecommunications investment (% of revenue)	10.1	16.0	15.8
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	49.4	45.2	47.3
Mobile-cellular telephone subscriptions (per 100 people)	102.7	108.4	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	7.76	21.96	
Households with a computer (%)	55.0	80.6	77.3
Households with Internet access at home (%)	47.2	78.1	74.3
Usage	71.2	70.1	14.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	115.4	169.7	184.6
Individuals using the Internet (%)	41.6	76.8	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	34.8	91.2	95.0
International Internet bandwidth (bit/s per Internet user)	14,211a		70,726
Affordability		26.3	23.8
Fixed-telephone sub-basket (\$ a month)		37.3	23.8
Mobile-cellular sub-basket (\$ a month)			
Fixed-broadband sub-basket (\$ a month) Trade		32.9	26.6
ICT goods exports (% of total goods exports)	22.4	6.6	9.6
ICT goods exports (% of total goods exports)	23.8	9.5	11.2
ICT service exports (% of total service exports)	57.1	62.1	30.6
Applications	01.1	02.1	30.0
Online service index (0-1, 1=highest presence)	0.73	0.54	0.67
Secure Internet servers (per million people)	353.9		1,067.1
coods of the state	300.0	1,000.0	2,001.1

Isle of Man

	Countr	ry data	High- income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.08	0.08	1,135
Urban population (% of total)	51	51	80
GNI per capita, World Bank Atlas method (\$)	38,610		39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.8		0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)		•	15.8
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)			47.3
Mobile-cellular telephone subscriptions (per 100 people)			
Fixed (wired)-broadband subscriptions (per 100 people)			07.00
Households with a computer (%)			77.0
Households with Internet access at home (%)			740
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			184.6
Individuals using the Internet (%)			75.8
Quality			
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			95.0
International Internet bandwidth (bit/s per Internet user)			70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)			23.8
Mobile-cellular sub-basket (\$ a month)			23.9
Fixed-broadband sub-basket (\$ a month)			26.6
Trade			
ICT goods exports (% of total goods exports)			9.6
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports) Applications			30.6
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	25.0		1,067.1

Israel

	Country data		High- income group
	2005	2011	2011
Economic and social context			
Population (millions)	7	8	1,135
Urban population (% of total)	92	92	80
GNI per capita, World Bank Atlas method (\$)	20,180	28,930	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.0	4.0	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	92	92	94
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service	С		
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	3.4	2.6
Telecommunications investment (% of revenue)		12.0	15.8
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	44.5	46.3	47.3
Mobile-cellular telephone subscriptions (per 100 people)	117.4	121.7	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	18.62	24.85	27.30
Households with a computer (%)	60.0a	79.0	
Households with Internet access at home (%)	42.0a	71.0	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			184.6
Individuals using the Internet (%) Quality	25.2	70.0	75.8
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	73.3	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	10,217a	37,782	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)		17.4	23.8
Mobile-cellular sub-basket (\$ a month)		34.8	
Fixed-broadband sub-basket (\$ a month) Trade		8.8	26.6
ICT goods exports (% of total goods exports)	7.5	10.7	9.6
ICT goods imports (% of total goods imports)	9.7	8.7	11.2
ICT service exports (% of total service exports)	55.4	57.4	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.74	0.85	0.67
Secure Internet servers (per million people)	162.8	429.9	1,067.1



	Country data		High- income ata group	
	2005	2011	2011	
Economic and social context				
Population (millions)	59	61	1,135	
Urban population (% of total)	68	68	80	
GNI per capita, World Bank Atlas method (\$)	30,880	35,320	39,860	
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.9	-0.6	0.7	
Adult literacy rate (% ages 15 and older)	98	99	98	
Gross primary, secondary, tertiary school enrollment (%)	90	90	94	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Mixed	Mixed		
Level of competition (competition, partial comp., monopoly) International gateway(s)				
Mobile telephone service	C	 P		
Internet service	C	C		
Foreign ownership (not allowed, restricted, allowed)	A	A		
Reg. treatment of VoIP (banned, closed, no framework, allowed)		A		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	2.4	2.0	2.6	
Telecommunications investment (% of revenue)	23.2	18.8	15.8	
Sector performance				
Access	40.7	00.4	47.0	
Fixed-telephone subscriptions (per 100 people)	42.7	36.4		
Mobile-cellular telephone subscriptions (per 100 people)	121.9	157.9	114.1	
Fixed (wired)-broadband subscriptions (per 100 people)	11.63	22.08	27.30 77.3	
Households with a computer (%)	46.0	66.2		
Households with Internet access at home (%) Usage	38.6	61.6	74.3	
Int'l. voice traffic, total (minutes/subscription/month)				
Domestic mobile traffic (minutes/subscription/month)	87.7	108.8	184.6	
Individuals using the Internet (%)	35.0	56.8	75.8	
Quality	33.0	30.0	75.0	
Population covered by a mobile-cellular network (%)	100	99	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	38.5	97.5	95.0	
International Internet bandwidth (bit/s per Internet user)	5,834a		70,726	
Affordability	-,	,	,	
Fixed-telephone sub-basket (\$ a month)		25.8	23.8	
Mobile-cellular sub-basket (\$ a month)		30.9	23.9	
Fixed-broadband sub-basket (\$ a month)		26.5	26.6	
Trade				
ICT goods exports (% of total goods exports)	3.1	2.1	9.6	
ICT goods imports (% of total goods imports)	7.1	6.0	11.2	
ICT service exports (% of total service exports)	34.2	34.0	30.6	
Applications				
Online service index (0-1, 1=highest presence)	0.67	0.58	0.67	
Secure Internet servers (per million people)	44.2	210.7	1,067.1	

Jamaica

Latin America & Caribbean	Upper m	iddle i	ncome
	Countr	y data	Upper middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	3	3	2,490
Urban population (% of total)	52	52	61
GNI per capita, World Bank Atlas method (\$)			6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)			6.3
Adult literacy rate (% ages 15 and older)		87	94
Gross primary, secondary, tertiary school enrollment (%)	81	82	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) No	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.6	4.2	2.7
Telecommunications investment (% of revenue)	19.0	23.2	17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people)	11.9	9.9	20.9
Mobile-cellular telephone subscriptions (per 100 people)	73.9	108.1	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.68	3.87	9.96
Households with a computer (%)	15.7	22.7	
Households with Internet access at home (%)	6.7	14.0	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	41.3	80.8	2.6
Domestic mobile traffic (minutes/subscription/month)	33.5	194.7	144.6
Individuals using the Internet (%)	12.8a	31.5	a 38.2
Quality			
Population covered by a mobile-cellular network (%)	95		98
Fixed (wired)-broadband subscriptions (% of total Internet)	96.4	97.9	84.6
International Internet bandwidth (bit/s per Internet user) Affordability	5,827	29,539	13,200
Fixed-telephone sub-basket (\$ a month)		12.9	10.0
Mobile-cellular sub-basket (\$ a month)		12.9	
Fixed-broadband sub-basket (\$ a month)		29.0	
Trade		25.0	10.2
ICT goods exports (% of total goods exports)	0.3	0.4	13.9
ICT goods imports (% of total goods imports)	5.0	3.9	
ICT service exports (% of total service exports)	8.3	7.8	
Applications	0.0	1.0	20.0
Online service index (0-1, 1=highest presence)	0.47	0.31	0.46
Secure Internet servers (per million people)	14.3	51.4	
Social intermediation (per minion people)	11.0	01.7	10.0



	Country data		High- income group
	2005	2011	2011
Economic and social context			
Population (millions)	128	128	1,135
Urban population (% of total)	86	91	80
GNI per capita, World Bank Atlas method (\$)	39,140	44,900	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.3	-0.2	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	86	89	94
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	C	
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	2.8	2.6
Telecommunications investment (% of revenue)	14.3	11.1	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	45.9	51.1	
Mobile-cellular telephone subscriptions (per 100 people)	76.3	105.0	
Fixed (wired)-broadband subscriptions (per 100 people)	18.44	27.60	
Households with a computer (%)	80.5	83.4	
Households with Internet access at home (%)	57.0	81.3	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	23.6	2.3	
Domestic mobile traffic (minutes/subscription/month)	97.6	98.1	184.6
Individuals using the Internet (%)	66.9	79.5	a 75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	44.0	90.2	95.0
International Internet bandwidth (bit/s per Internet user)	2,601a	23,111	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)		26.4	23.8
Mobile-cellular sub-basket (\$ a month)		50.4	23.9
Fixed-broadband sub-basket (\$ a month)		24.2	26.6
Trade			
ICT goods exports (% of total goods exports)	16.9	9.2	9.6
ICT goods imports (% of total goods imports)	13.5	10.1	11.2
ICT service exports (% of total service exports)	19.8	28.1	30.6
Applications	0.77	0.00	0.07
Online service index (0-1, 1=highest presence)	0.77	0.86	
Secure Internet servers (per million people)	257.7	114.3	1,067.1

Jordan

	pppci iii	pper middle inco		
	Country		Upper middle- income	
	2005	2011	group 2011	
Economic and social context	2003	2011	2011	
Population (millions)	5	6	2.490	
Urban population (% of total)	81	83	2,430	
GNI per capita, World Bank Atlas method (\$)	2,490	4,380		
GDP growth, 2000–05 and 2005–11 (avg. annual %)	6.3	5.7	6.3	
Adult literacy rate (% ages 15 and older)	91	93		
Gross primary, secondary, tertiary school enrollment (%)	80	75	7	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Mixed	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	С	С		
Mobile telephone service	Р	Р		
Internet service	С	С		
Foreign ownership (not allowed, restricted, allowed)	Α	Α		
Reg. treatment of VoIP (banned, closed, no framework, allowed) A	А		
Sector efficiency and capacity				
	8.5	5.8	2.	
Telecommunications revenue (% of GDP)	0.0	5.0	2.1	
Telecommunications investment (% of revenue)	20.5	12.0		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	20.5	7.4	20.9	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	20.5 11.8 58.7	7.4 118.2	20.9 92.4	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	20.5 11.8 58.7 0.44	7.4 118.2 3.16	20.9 92.4 9.9	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	20.5 11.8 58.7	7.4 118.2 3.16 50.8	20.9 92.4 9.99 35.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	20.5 11.8 58.7 0.44	7.4 118.2 3.16	20.9 92.4 9.99 35.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	11.8 58.7 0.44 23.0 ^a	7.4 118.2 3.16 50.8	20.9 92.4 9.90 35.4 25.5	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	11.8 58.7 0.44 23.0 ^a 8.0 ^a	7.4 118.2 3.16 50.8 35.4	20.9 92.9 9.99 35.25.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	11.8 58.7 0.44 23.0 ^a 8.0 ^a	7.4 118.2 3.16 50.8 35.4 17.7	20.9 92.4 9.90 35.9 25.8	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	11.8 58.7 0.44 23.0a 8.0a 15.4 111.8	7.4 118.2 3.16 50.8 35.4 17.7 266.9	20.9 92.4 9.90 35.9 25.9	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	11.8 58.7 0.44 23.0a 8.0a 15.4 111.8	7.4 118.2 3.16 50.8 35.4 17.7 266.9	20.9 92.9 9.90 35.25.2 2.144.38.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	11.8 58.7 0.44 23.0 ^a 8.0 ^a 15.4 111.8 12.9	7.4 118.2 3.16 50.8 35.4 17.7 266.9 34.9	20.9 92.9 9.90 35.25.2 2.144.38.3	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	11.8 58.7 0.44 23.0 ^a 8.0 ^a 15.4 111.8 12.9	7.4 118.2 3.16 50.8 35.4 17.7 266.9 34.9	20. 92. 9.9 35. 25. 2. 144. 38.	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	20.5 11.8 58.7 0.44 23.0a 8.0a 15.4 111.8 12.9 99	7.4 118.2 3.16 50.8 35.4 17.7 266.9 34.9 99 96.1	20.9 92 9.99 35 25 2 144 38.: 9. 84 13,200	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	20.5 11.8 58.7 0.44 23.0a 8.0a 15.4 111.8 12.9 99 12.0 449a	7.4 118.2 3.16 50.8 35.4 17.7 266.9 34.9 99 96.1 6,337	20.9 92.4 9.99 35.9 25.3 2.0 144.0 38.2 98 84.1 13,200	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	20.5 11.8 58.7 0.44 23.0 ^a 8.0 ^a 15.4 111.8 12.9 99 12.0 449 ^a	7.4 118.2 3.16 50.8 35.4 17.7 266.9 34.9 99 96.1 6,337	20.9 92.9 95.2 25.2 2.144.38.3 96.84.13,200	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	20.5 11.8 58.7 0.44 23.0a 8.0a 15.4 111.8 12.9 99 12.0 449a	7.4 118.2 3.16 50.8 35.4 17.7 266.9 34.9 99 96.1 6,337 9.4	20.9 92.9 95.2 25.2 2.144.38.3 96.84.13,200	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	20.5 11.8 58.7 0.44 23.0a 8.0a 15.4 111.8 12.9 99 12.0 449a	7.4 118.2 3.16 50.8 35.4 17.7 266.9 34.9 99 96.1 6,337 9.4	20.0 92.0 9.9 35.2 25.2 144.3 8.4 13,200 10.1 16.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	20.5 11.8 58.7 0.44 23.0 ^a 8.0 ^a 15.4 111.8 12.9 99 12.0 449 ^a	7.4 118.2 3.16 50.8 35.4 17.7 266.9 34.9 99 96.1 6,337 9.4 10.4 22.6	20.0 92.0 9.9 35.1 25.1 244.1 38.2 9.8 84.1 13.20 10.1 16.1 18.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	20.5 11.8 58.7 0.44 23.0 ^a 8.0 ^a 15.4 111.8 12.9 99 12.0 449 ^a 3.2	7.4 118.2 3.16 50.8 35.4 17.7 266.9 34.9 99 96.1 6,337 9.4 10.4 22.6	20.1. 92 9.9.9. 35 25 24.1 13.200 10.1 16.1 13.3.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	20.5 11.8 58.7 0.44 23.0 ^a 8.0 ^a 15.4 111.8 12.9 99 12.0 449 ^a 3.2 6.9	7.4 118.2 3.16 50.8 35.4 17.7 266.9 34.9 99 96.1 6,337 9.4 10.4 22.6	20.9 92.4 9.99 35.3 25.5 2.0 144.1 38.2 98 84.1 13,200 10.0 18.2	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	20.5 11.8 58.7 0.44 23.0 ^a 8.0 ^a 15.4 111.8 12.9 99 12.0 449 ^a 3.2 6.9	7.4 118.2 3.16 50.8 35.4 17.7 266.9 34.9 99 96.1 6,337 9.4 10.4 22.6	20.9 92.4 9.99 35.9 25.8 2.6 144.6 13,200 10.6 18.2 13.9 28.3	

Kazakhstan

Europe & Central Asia	Upper middle income

			Upper middle- income	
-	Countr 2005	y data	group	
	2005	2011	2011	
Economic and social context	4.5	4.7	0.400	
Population (millions)	15	17	2,490	
Urban population (% of total)	55	54	61	
GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %)	2,950 10.1	8,260 5.8	6,563 6.3	
Adult literacy rate (% ages 15 and older)		100	94	
Gross primary, secondary, tertiary school enrollment (%)	91	92	75	
Sector structure				
Separate telecommunications/ICT regulator	Yes	No		
Status of main fixed-line operator	Mixed	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)		С		
Mobile telephone service	С	Ρ		
Internet service		С		
Foreign ownership (not allowed, restricted, allowed)		R		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	А		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	2.8	2.1	2.7	
Telecommunications investment (% of revenue)	5.3	16.6	17.8	
Sector performance				
Access Fixed-telephone subscriptions (per 100 people)	17.8	26.3	20.9	
Mobile-cellular telephone subscriptions (per 100 people)	35.6	155.7	92.4	
Fixed (wired)-broadband subscriptions (per 100 people)	0.02		52.7	
		7 36	9 96	
		7.36 46.0		
Households with a computer (%)		46.0	35.9	
Households with a computer (%) Households with Internet access at home (%)			35.9	
Households with a computer (%) Households with Internet access at home (%) Usage		46.0	35.9 25.5	
Households with a computer (%) Households with Internet access at home (%) *Usage** Int'l. voice traffic, total (minutes/subscription/month)		46.0° 44.0°	35.9 25.5 2.6	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	7.2	46.0° 44.0° 3.9	35.9 25.5 2.6 144.6	
Households with a computer (%) Households with Internet access at home (%) *Usage** Int'l. voice traffic, total (minutes/subscription/month)	7.2 41.1	46.0° 44.0° 3.9 68.4	35.9 25.5 2.6 144.6	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	7.2 41.1	46.0° 44.0° 3.9 68.4	35.9 25.5 2.6 144.6 38.2	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	7.2 41.1 3.0	46.0° 44.0° 3.9 68.4 45.0°	35.9 25.5 2.6 144.6 38.2	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	7.2 41.1 3.0	46.0° 44.0° 3.9 68.4 45.0°	35.9 25.5 2.6 144.6 38.2 98 84.6	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	7.2 41.1 3.0 81 1.0 107 ^a	46.0° 44.0° 3.9 68.4 45.0° 95 94.6 21,939	35.9 25.5 2.6 144.6 38.2 98 84.6 13,200	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	7.2 41.1 3.0 81 1.0 107 ^a	46.0° 44.0° 3.9 68.4 45.0° 95 94.6 21,939	35.9 25.5 2.6 144.6 38.2 98 84.6 13,200	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	7.2 41.1 3.0 81 1.0 107 ^a	46.0° 44.0° 3.9 68.4 45.0° 95 94.6 21,939	35.9 25.5 2.6 144.6 38.2 98 84.6 13,200	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	7.2 41.1 3.0 81 1.0 107 ^a	46.0° 44.0° 3.9 68.4 45.0° 95 94.6 21,939	35.9 25.5 2.6 144.6 38.2 98 84.6 13,200	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	7.2 41.1 3.0 81 1.0 107 ^a	46.0° 44.0° 3.9 68.4 45.0° 95 94.6 21,939 2.7 12.2 23.9	25.5 26.6 244.6 38.2 98 84.6 13,200 10.0 18.2	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	7.2 41.1 3.0 81 1.0 107 ^a	46.0° 44.0° 3.9 68.4 45.0° 95 94.6 21,939	25.5 26.6 244.6 38.2 98 84.6 13,200 10.0 18.2	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	7.2 41.1 3.0 81 1.0 107 ^a 	46.0° 44.0° 3.9 68.4 45.0° 95 94.6 21,939 2.7 12.2 23.9 0.1	35.93 25.5 26.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	7.2 41.1 3.0 81 1.0 107 ^a 	46.0° 44.0° 3.9 68.4 45.0° 95 94.6 21,939 2.7 12.2 23.9 0.1 5.7	35.93 25.5 26.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2	
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	7.2 41.1 3.0 81 1.0 107 ^a 	46.0° 44.0° 3.9 68.4 45.0° 95 94.6 21,939 2.7 12.2 23.9 0.1 5.7	25.5 2.6 144.6	



Sub-Saharan Africa Low income

Low-

	Countr	Country data	
	2005	2011	group 2011
Economic and social context			
Population (millions)	36	42	817
Urban population (% of total)	22	24	28
GNI per capita, World Bank Atlas method (\$)	520	820	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.4	4.3	5.8
Adult literacy rate (% ages 15 and older)	82	87	63
Gross primary, secondary, tertiary school enrollment (%)	59	67	58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Ρ	С	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	9.9	
Telecommunications investment (% of revenue)	76.3	22.3	
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	0.8	0.7	1.1
	12.9	67.5	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.02	0.10	
Households with a computer (%)			
Households with Internet access at home (%)	2.2		
Usage	2.2		
Int'l. voice traffic, total (minutes/subscription/month)	3.8	3.7	
Domestic mobile traffic (minutes/subscription/month)	12.7	77.6	
Individuals using the Internet (%)	3.1	28.0	
Quality	5.1	20.0	0.0
Population covered by a mobile-cellular network (%)	62	89	
Fixed (wired)-broadband subscriptions (% of total Internet)	6.7	34.0	24.5
International Internet bandwidth (bit/s per Internet user)	103	4,544	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)		14.2	9.6
Mobile-cellular sub-basket (\$ a month)		4.5	11.9
Fixed-broadband sub-basket (\$ a month)		37.8	42.8
Trade			
ICT goods exports (% of total goods exports)	0.2	1.4	
ICT goods imports (% of total goods imports)	4.1	7.2	
ICT service exports (% of total service exports)			18.6
Applications Online service index (0-1, 1=highest presence)	0.35	0.43	0.20
Secure Internet servers (per million people)	0.3	4.2	
(F	2.0		

Kiribati

East Asia & Pacific	sia & Pacific Lower middle income		
East Asia & Pacific	Lower III	ildale i	Lower
			middle- income
	Countr		group
	2005	2011	2011
Economic and social context	0.00	0.40	0.500
Population (millions)	0.09	0.10	,
Urban population (% of total)	44	44	
GNI per capita, World Bank Atlas method (\$)	1,750	2,030	,
GDP growth, 2000–05 and 2005–11 (avg. annual %)	1.9	-0.3	
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)	76	73	63
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service		P	
Internet service		С	
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.5
Telecommunications investment (% of revenue)			00.0
Telecommunications investment (% of revenue)			20.0
Sector performance			
Access	4.0	0.4	F (
Fixed-telephone subscriptions (per 100 people)	4.6	8.4	
Mobile-cellular telephone subscriptions (per 100 people)	0.7	13.6	
Fixed (wired)-broadband subscriptions (per 100 people)	0.35	0.91	
Households with a computer (%)	6.0		
Households with Internet access at home (%)	2.5		7.7
Usage			0.5
Int'l. voice traffic, total (minutes/subscription/month)			6.5
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	4.0a	10.0	16.2
Quality			
Population covered by a mobile-cellular network (%)			
Fixed (wired)-broadband subscriptions (% of total Internet)			58.8
International Internet bandwidth (bit/s per Internet user)		4,451	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)		11.5	5.1
Mobile-cellular sub-basket (\$ a month)		18.7	11.3
Fixed-broadband sub-basket (\$ a month)		383.1	21.6
Trade			
ICT goods exports (% of total goods exports)	0.9	7.3	5.7
ICT goods imports (% of total goods imports)	1.3	2.1	6.7
ICT service exports (% of total service exports)			43.4
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.07	0.32
Secure Internet corvers (per million people)		0.7	

3.5

Secure Internet servers (per million people)

9.7

Korea, Dem. People's Rep.

East Asia & Pacific Low income

	Counti	ry data	Low- income
-	2005	2011	group 2011
Economic and social context			
Population (millions)	24	24	817
Urban population (% of total)	60	60	28
GNI per capita, World Bank Atlas method (\$)			571
GDP growth, 2000-05 and 2005-11 (avg. annual %)			5.8
Adult literacy rate (% ages 15 and older)		100	63
Gross primary, secondary, tertiary school enrollment (%)			58
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			
Sector performance			
Access	4.0	4.0	
Fixed-telephone subscriptions (per 100 people)	4.2	4.8	
Mobile-cellular telephone subscriptions (per 100 people)	0.0	4.1 ⁶	
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)			
Households with Internet access at home (%)			
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			86.3
Individuals using the Internet (%)	0.0	0.0	
Quality			
Population covered by a mobile-cellular network (%)	0		
Fixed (wired)-broadband subscriptions (% of total Internet)			24.5
nternational Internet bandwidth (bit/s per Internet user)			2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)			9.6
Mobile-cellular sub-basket (\$ a month)			11.9
Fixed-broadband sub-basket (\$ a month)			42.8
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			18.6
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.12	0.20
Secure Internet servers (per million people)		0.0	0.8

Korea, Rep.

	Countr	Country data	
	2005	2011	group 2011
Economic and social context			
Population (millions)	48	50	1,135
Urban population (% of total)	81	83	80
GNI per capita, World Bank Atlas method (\$)	16,900	20,870	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.5	3.5	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	98	102	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	С	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	4.4	2.6
Telecommunications investment (% of revenue)	14.4	14.2	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	50.8	60.9	
Mobile-cellular telephone subscriptions (per 100 people)	81.5	108.5	
Fixed (wired)-broadband subscriptions (per 100 people)	25.91	36.91	
Households with a computer (%)	79.7a	81.9	
Households with Internet access at home (%)	92.7	97.2	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	3.2	3.6	
Domestic mobile traffic (minutes/subscription/month)	175.8	170.7	184.6
Individuals using the Internet (%)	73.5	83.8	75.8
Quality			
Population covered by a mobile-cellular network (%)	80	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	100.0	100.0	95.0
International Internet bandwidth (bit/s per Internet user) Affordability	1,439	17,170	70,726
Fixed-telephone sub-basket (\$ a month)		5.8	23.8
Mobile-cellular sub-basket (\$ a month)		21.8	
Fixed-broadband sub-basket (\$ a month)		25.7	
Trade		20	20.0
ICT goods exports (% of total goods exports)	30.0	18.0	9.6
ICT goods imports (% of total goods imports)	15.2	10.4	
ICT service exports (% of total service exports)	19.9	20.4	30.6
Applications	10.0	20.4	55.0
Online service index (0-1, 1=highest presence)	0.83	1.00	0.67
Secure Internet servers (per million people)	20.0		1,067.1
sot oor oo (porion poopio)	_0.0	2,.00.4	2,001.1

Kosovo

Europe & Central Asia	Lower m	niddle i	ncome
	Countr	y data	Lower middle- income group
	2005	2011	2011
Economic and social context			
Population (millions)	2	2	2,53
Urban population (% of total)			. 39
GNI per capita, World Bank Atlas method (\$)	2,550	3,510	1,77
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.9	5.1	6.
Adult literacy rate (% ages 15 and older)			. 7
Gross primary, secondary, tertiary school enrollment (%)			. 6
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed	d)		
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.
Telecommunications investment (% of revenue)			29.
Sector performance Access Fixed-telephone subscriptions (per 100 people)			5.6
Mobile-cellular telephone subscriptions (per 100 people)			80.
Fixed (wired)-broadband subscriptions (per 100 people)			1.2
Households with a computer (%)			10.
Households with Internet access at home (%)			7.
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			6.
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)			16.
Quality			
Population covered by a mobile-cellular network (%)			. 8
Fixed (wired)-broadband subscriptions (% of total Internet)			58.
International Internet bandwidth (bit/s per Internet user) Affordability			6,56
Fixed-telephone sub-basket (\$ a month)			5.
Mobile-cellular sub-basket (\$ a month)			11.
Fixed-broadband sub-basket (\$ a month)			0.4
Trade			
ICT goods exports (% of total goods exports)			5.
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)	4.7	27.1	
Applications	•••		.5.
Online service index (0-1, 1=highest presence)			0.3
Secure Internet servers (per million people)			2
(2000)			0.

Kuwait

	Count	Country data	
	2005	2011	group 2011
Economic and social context			
Population (millions)	2	3	1,135
Urban population (% of total)	98	98	80
GNI per capita, World Bank Atlas method (\$)	34,650	48,900	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	8.9	2.7	0.7
Adult literacy rate (% ages 15 and older)	93	94	98
Gross primary, secondary, tertiary school enrollment (%)	83		94
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	М	
Mobile telephone service	Р	М	
Internet service	Р	Р	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5		2.6
Telecommunications investment (% of revenue)	27.0		15.8
Sector performance			
Access	22.2	40.0	47.0
Fixed-telephone subscriptions (per 100 people)	22.3	18.3	
Mobile-cellular telephone subscriptions (per 100 people)	61.0	175.1	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	1.10	1.68	
Households with a computer (%)		69.0	
Households with Internet access at home (%)		57.7	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			184.6
Individuals using the Internet (%)	25.9	74.2	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	8.8		95.0
International Internet bandwidth (bit/s per Internet user) Affordability	1,503	5,951	70,726
Fixed-telephone sub-basket (\$ a month)		8.6	23.8
Mobile-cellular sub-basket (\$ a month)		7.8	23.9
Fixed-broadband sub-basket (\$ a month)		19.2	26.6
Trade	•		
ICT goods exports (% of total goods exports)	0.2	0.3	9.6
ICT goods imports (% of total goods imports)	5.0	6.4	
ICT service exports (% of total service exports)	52.2	35.3	30.6
Applications	02.2	55.0	55.0
Online service index (0-1, 1=highest presence)	0.52	0.58	0.67
Secure Internet servers (per million people)	35.3		1,067.1
Same internet solvers (bet imment beoble)	00.0	202.0	1,001.1

Kyrgyz Republic

Europe & Central Asia

Low income

	Countr	Country data	
	2005	2011	group 2011
Economic and social context			
Population (millions)	5	6	817
Urban population (% of total)	35	35	28
GNI per capita, World Bank Atlas method (\$)	450	900	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.1	4.8	5.8
Adult literacy rate (% ages 15 and older)		99	63
Gross primary, secondary, tertiary school enrollment (%)	79	75	58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.5	6.7	
Telecommunications investment (% of revenue)	3.2	18.6	
Sector performance			
Access	8.7	9.3	1.1
Fixed-telephone subscriptions (per 100 people)			
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	10.7 0.05	116.4 0.69	
Households with a computer (%)	2.1	4.0	
Households with Internet access at home (%)	2.1	3.6	
Usage		5.0	
Int'l. voice traffic, total (minutes/subscription/month)		6.9	
Domestic mobile traffic (minutes/subscription/month)		78.7	
Individuals using the Internet (%)	10.5	20.0	
Quality	10.5	20.0	0.0
Population covered by a mobile-cellular network (%)	42	97	
Fixed (wired)-broadband subscriptions (% of total Internet)	16.2	32.1	24.5
International Internet bandwidth (bit/s per Internet user)	516	1,726	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)		1.2	9.6
Mobile-cellular sub-basket (\$ a month)		3.6	11.9
Fixed-broadband sub-basket (\$ a month)		54.6	42.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.2	
ICT goods imports (% of total goods imports)	3.3	3.8	
ICT service exports (% of total service exports)	26.4	14.3	18.6
Applications Online service index (0-1, 1=highest presence)	0.42	0.42	0.20
Secure Internet servers (per million people)	0.42	3.9	
Coodie internet servers (per million people)	0.0	5.5	0.0

Lao PDR

East Asia & Pacific	Lower	niddle i	ncome
			Lower middle- income
		ry data	group
	2005	2011	2011
Economic and social context		_	
Population (millions)	6	6	,
Urban population (% of total)	27	34	
GNI per capita, World Bank Atlas method (\$)	460	1,130	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	6.2	7.9	
Adult literacy rate (% ages 15 and older)	73		
Gross primary, secondary, tertiary school enrollment (%)	60	61	63
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	М	
Mobile telephone service	P	P	
Internet service	P	P	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) B	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.7	3.8	2.5
Telecommunications investment (% of revenue)	63.0	53.8	
Sector performance			
Access	1.0	1 7	F.0
Fixed-telephone subscriptions (per 100 people)	1.6	1.7	
Mobile-cellular telephone subscriptions (per 100 people)	11.4	87.2	
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.66	
Households with a computer (%)		6.9	
Households with Internet access at home (%)		3.4	a 7.7
Usage			C F
Int'l. voice traffic, total (minutes/subscription/month)		20,000,0	
Domestic mobile traffic (minutes/subscription/month)	59.6	36,898.6	
Individuals using the Internet (%) Quality	0.9	9.0	16.2
Population covered by a mobile-cellular network (%)	55	80	86
Fixed (wired)-broadband subscriptions (% of total Internet)	5.0	53.7	
International Internet bandwidth (bit/s per Internet user)	409	2,048	
Affordability	100	2,010	0,000
Fixed-telephone sub-basket (\$ a month)		4.6	5.1
Mobile-cellular sub-basket (\$ a month)		6.2	
Fixed-broadband sub-basket (\$ a month)		97.2	
Trade		0.12	
ICT goods exports (% of total goods exports)			5.7
ICT goods imports (% of total goods imports)			6.7
ICT service exports (% of total service exports)			40.4
Applications			70.4
Online service index (0-1, 1=highest presence)	0.24	0.22	0.32
ommo con vido mador (o 1, 1 mgmost produndo)	0.24	0.22	0.32

3.5

0.3

8.0

Secure Internet servers (per million people)

Latvia

	upper m	niddle i	ncome
			Upper middle-
	Countr	y data	income group
	2005	2011	2011
Economic and social context			
Population (millions)	2	2	2,490
Urban population (% of total)	68	68	61
GNI per capita, World Bank Atlas method (\$)	6,810	13,320	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	8.0	-1.7	6.3
Adult literacy rate (% ages 15 and older)	100	100	94
Gross primary, secondary, tertiary school enrollment (%)	91	81	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed	I) A	А	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	31.7	25.9	17.8
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	81.2 2.64 32.0	23.0 102.9 20.39 64.3	92.4 9.96 35.9
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	81.2 2.64	102.9 ³ 20.39	92.4 9.96 35.9
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	81.2 2.64 32.0	102.9 20.39 64.3	92. ² 9.96 35.9 25.5
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	81.2 2.64 32.0 30.5	102.9 ² 20.39 64.3 63.6	92.4 9.96 35.9 25.5 2.6 144.6
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	81.2 2.64 32.0 30.5	102.9 ¹ 20.39 64.3 63.6	92.4 9.96 35.9 25.5 2.6 144.6
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	81.2 2.64 32.0 30.5 72.2 46.0	102.9 ² 20.39 64.3 63.6	92.4 9.96 35.9 25.5 2.6 144.6 38.2
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	81.2 2.64 32.0 30.5 72.2 46.0	102.9 ² 20.39 64.3 63.6	92.4 9.96 35.5 25.5 2.6 144.6 38.2
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	81.2 2.64 32.0 30.5 72.2 46.0 98 83.2	102.9° 20.39 64.3 63.6 71.7	9.2.4 9.96 35.5 25.5 2.6 144.6 38.2
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	81.2 2.64 32.0 30.5 72.2 46.0	102.9° 20.39 64.3 63.6 71.7	9.2.4 9.96 35.5 25.5 2.6 144.6 38.2
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	81.2 2.64 32.0 30.5 72.2 46.0 98 83.2	102.9° 20.39 64.3 63.6 71.7	92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	81.2 2.64 32.0 30.5 72.2 46.0 98 83.2 2,621	102.9 20.39 64.3 63.6 71.7 44,779	9.96 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	81.2 2.64 32.0 30.5 72.2 46.0 98 83.2 2,621	102.9·20.39 64.3 63.6 71.7 44,779	9.96 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	81.2 2.64 32.0 30.5 72.2 46.0 98 83.2 2,621	102.9·20.39 64.3 63.6 71.7 44,779 10.1 12.5	9.96 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	81.2 2.64 32.0 30.5 72.2 46.0 98 83.2 2,621	102.9·20.39 64.3 63.6 71.7 44,779 10.1 12.5	9 92.2 9.96 35.5 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	81.2 2.64 32.0 30.5 72.2 46.0 98 83.2 2,621	102.9 20.39 64.3 63.6 71.7 44,779 10.1 12.5 12.9	9 92.2 9.96 35.5 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	81.2 2.64 32.0 30.5 72.2 46.0 98 83.2 2,621 	102.9 20.39 64.3 63.6 71.7 44,779 10.1 12.5 12.9	92.2 9.96 35.5 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	81.2 2.64 32.0 30.5 72.2 46.0 98 83.2 2,621 	102.9· 20.39 64.3 63.6 71.7 44,779 10.1 12.5 12.9 5.4 5.4	92.4 9.96 35.5 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	81.2 2.64 32.0 30.5 72.2 46.0 98 83.2 2,621 	102.9· 20.39 64.3 63.6 71.7 44,779 10.1 12.5 12.9 5.4 5.4	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2 13.9 13.5 28.3

Lebanon

Middle East & North Africa U	pper m	iddle i	ncome
	Countr		Upper middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	4	4	2,490
Urban population (% of total)	87	87	61
GNI per capita, World Bank Atlas method (\$)	5,710	9,140	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.0	6.7	6.3
Adult literacy rate (% ages 15 and older)	90		94
Gross primary, secondary, tertiary school enrollment (%)	78	84	75
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		M	
Mobile telephone service	С	M	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	7.9		2.7
Telecommunications investment (% of revenue)			17.8
			17.8
Telecommunications investment (% of revenue) Sector performance Access			17.8
Sector performance	15.7	21.1	
Sector performance Access			20.9
Sector performance Access Fixed-telephone subscriptions (per 100 people)	15.7	21.1	20.9 92.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	15.7 24.5ª	21.1 ⁴ 78.6 ⁴	20.9 92.4 9.96
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	15.7 24.5 ^a 3.21	21.1 ⁴ 78.6 ⁶ 5.17 ⁶	20.9 92.4 9.96
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	15.7 24.5 ^a 3.21 24.0	21.1 ⁴ 78.6 ⁶ 5.17 ⁶ 71.5 61.8	20.9 92.4 9.96 35.9 25.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	15.7 24.5 ^a 3.21 24.0 4.4 88.5	21.1 ⁴ 78.6 ⁵ 5.17 ⁴ 71.5 61.8	20.9 92.4 9.90 35.9 25.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	15.7 24.5 ^a 3.21 24.0 4.4	21.1 ¹ 78.6 ⁶ 5.17 ⁶ 71.5 61.8 44.4 189.4	20.9 92.4 9.96 35.9 25.5 2.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	15.7 24.5 ^a 3.21 24.0 4.4 88.5	21.1 ⁴ 78.6 ⁵ 5.17 ⁴ 71.5 61.8	20.9 92.4 9.96 35.9 25.5 2.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1	21.1 ¹ 78.6 ³ 5.17 ³ 71.5 61.8 44.4 189.4 52.0	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1	21.1 ¹ 78.6 ⁶ 5.17 ⁶ 71.5 61.8 44.4 189.4 52.0	20.5 92.4 9.96 35.5 25.5 2.6 144.6 38.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1	21.1 ¹ 78.6 ⁶ 5.17 ⁶ 71.5 61.8 44.4 189.4 52.0 97 47.0	20.8 92.4 9.96 35.8 25.5 2.6 144.6 38.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1	21.1 ¹ 78.6 ⁶ 5.17 ⁶ 71.5 61.8 44.4 189.4 52.0 97 47.0	20.8 92.4 9.96 35.8 25.5 2.6 144.6 38.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1	21.1 ¹ 78.6 ⁶ 5.17 ⁷ 71.5 61.8 44.4 189.4 52.0 97 47.0 2,257 ⁶	20.9 92.4 9.96 35.5 25.5 2.6 144.6 38.2 98 84.6 13,200
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1	21.1 ⁴ 78.6 ⁶ 5.17 ⁴ 71.5 61.8 44.4 189.4 52.0 97 47.0 2,257 ⁶ 11.7	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	15.7 24.5a 3.21 24.0 4.4 88.5 190.6 10.1 100 56.5 706	21.1 ⁶ 78.6 ⁶ 5.17 ⁶ 71.5 61.8 44.4 189.4 52.0 97 47.0 2,257 ⁶ 11.7 19.0	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	15.7 24.5ª 3.21 24.0 4.4 88.5 190.6 10.1 100 56.5 706	21.1 ⁴ 78.6 ⁶ 5.17 ⁴ 71.5 61.8 44.4 189.4 52.0 97 47.0 2,257 ⁶ 11.7	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	15.7 24.5a 3.21 24.0 4.4 88.5 190.6 10.1 100 56.5 706	21.1 ⁶ 78.6 ⁶ 5.17 ⁶ 71.5 61.8 44.4 189.4 52.0 97 47.0 2,257 ⁶ 11.7 19.0	20.9 92.4 99.6 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	15.7 24.5 ^a 3.21 24.0 4.4 88.5 190.6 10.1 100 56.5 706	21.1 ¹ 78.6 ⁶ 5.17 ³ 71.5 61.8 44.4 189.4 52.0 97 47.0 2,257 ³ 11.7 19.0 17.6	20.9 92.4 9.96 35.5 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	15.7 24.5a 3.21 24.0 4.4 88.5 190.6 10.1 100 56.5 706	21.1 ¹ 78.6 ² 5.17 ³ 71.5 61.8 44.4 189.4 52.0 97 47.0 2,257 ³ 11.7 19.0 17.6 0.9	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	15.7 24.5ª 3.21 24.0 4.4 88.5 190.6 10.1 100 56.5 706 	21.1 ¹ 78.6 ³ 51.1 ⁷ 71.5 61.8 44.4 189.4 52.0 97 47.0 2,257 ³ 11.7 19.0 17.6 0.9 2.3	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	15.7 24.5ª 3.21 24.0 4.4 88.5 190.6 10.1 100 56.5 706 	21.1 ¹ 78.6 ³ 51.1 ⁷ 71.5 61.8 44.4 189.4 52.0 97 47.0 2,257 ³ 11.7 19.0 17.6 0.9 2.3	20.9 92.4 9.96 35.9

Lesotho

	Lower m	iddle i	ncome
	Countr	y data	Lower middle- income group
	2005	2011	2011
Economic and social context			
Population (millions)	2	2	2,533
Urban population (% of total)	23	28	39
GNI per capita, World Bank Atlas method (\$)	850	1,210	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.8	4.7	6.2
Adult literacy rate (% ages 15 and older)	86	90	71
Gross primary, secondary, tertiary school enrollment (%)	60		63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	М	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.6	1.8	2.5
Telecommunications investment (% of revenue)	20.9	30.3	29.0
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	2.3	1.8	
Mobile-cellular telephone subscriptions (per 100 people)	12.1	56.2	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00a	0.06	1.25
Households with a computer (%)			40 7
,			
Households with Internet access at home (%)			
Households with Internet access at home (%) Usage			7.7
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)		1.9	7.7 6.5
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	 26.2	1.9 5.4	7.7 6.5
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)		1.9	7.7 6.5
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	 26.2 2.6 ^a	1.9 5.4 4.2	7.7 6.5 a 16.2
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	 26.2 2.6 ^a 29	1.9 5.4 4.2 75	7.7 6.5 a 16.2
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	 26.2 2.6 ^a 29 1.8	1.9 5.4 4.2 75 4.1	7.7 6.5 a 16.2 86 58.8
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	 26.2 2.6 ^a 29	1.9 5.4 4.2 75	7.7 6.5 a 16.2 86 58.8
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	 26.2 2.6 ^a 29 1.8	1.9 5.4 4.2 75 4.1	7.7 6.5 a 16.2 86 58.8 a 6,560
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	 26.2 2.6 ^a 29 1.8 80	1.9 5.4 4.2 75 4.1 2,816	7.7 6.5 a 16.2 86 58.8 a 6,560 5.1
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	 26.2 2.6a 29 1.8 80	1.9 5.4 4.2 75 4.1 2,816	7.7 6.5 a 16.2 86 58.8 a 6,560 5.1 11.3
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	26.2 2.6 ^a 29 1.8 80	1.9 5.4 4.2 75 4.1 2,816 13.0 22.0	7.7 6.5 a 16.2 86 58.8 a 6,560 5.1 11.3
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	26.2 2.6 ^a 29 1.8 80	1.9 5.4 4.2 75 4.1 2,816 13.0 22.0	7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	 26.2 2.6 ^a 29 1.8 80	1.9 5.4 4.2 75 4.1 2,816 13.0 22.0 53.0	7.7 6.5
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	26.2 2.6 ^a 29 1.8 80	1.9 5.4 4.2 75 4.1 2,816 13.0 22.0 53.0	7.7 6.5 86 58.8 6,560 5.1 11.3 21.6
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	26.2 2.6 ^a 29 1.8 80	1.9 5.4 4.2 75 4.1 2,816 13.0 22.0 53.0 5.8 2.7	7.7 6.5 86 58.8 6,560 5.1 11.3 21.6
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	26.2 2.6 ^a 29 1.8 80	1.9 5.4 4.2 75 4.1 2,816 13.0 22.0 53.0 5.8 2.7	7.7 6.5 a 16.2 86 58.8 a 6,560 5.1 11.3 21.6 5.7 6.7 43.4



Sub-Saharan Africa Low income

	Countr	y data	Low- income a group	
-	2005	2011	2011	
Economic and social context				
Population (millions)	3	4	817	
Urban population (% of total)	46	48	28	
GNI per capita, World Bank Atlas method (\$)	120	330	571	
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-1.0	12.0	5.8	
Adult literacy rate (% ages 15 and older)	55	61	63	
Gross primary, secondary, tertiary school enrollment (%)			58	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Public	Public		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)		С		
Mobile telephone service	С	Р		
Internet service		С		
Foreign ownership (not allowed, restricted, allowed)	Α	No		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	8.1			
Telecommunications investment (% of revenue)				
Sector performance				
Access	0.1	0.4		
Fixed-telephone subscriptions (per 100 people)	0.1	0.1		
Mobile-cellular telephone subscriptions (per 100 people)	5.0 0.00	49.2 0.00		
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	1.0		
Households with a computer (%) Households with Internet access at home (%)				
Usage				
Int'l. voice traffic, total (minutes/subscription/month)		11.1		
Domestic mobile traffic (minutes/subscription/month)	0.0	52.0		
Individuals using the Internet (%)	0.6	3.0		
Quality	0.0	3.0	0.0	
Population covered by a mobile-cellular network (%)	16	1		
Fixed (wired)-broadband subscriptions (% of total Internet)			24.5	
International Internet bandwidth (bit/s per Internet user)		614	2,941	
Affordability				
Fixed-telephone sub-basket (\$ a month)			9.6	
Mobile-cellular sub-basket (\$ a month)			11.9	
Fixed-broadband sub-basket (\$ a month)			42.8	
Trade				
ICT goods exports (% of total goods exports)				
ICT goods imports (% of total goods imports)				
ICT service exports (% of total service exports)			18.6	
Applications Online service index (0-1, 1=highest presence)	0.22	0.19	0.20	
Secure Internet servers (per million people)	0.22	1.4	0.20	
Sagaracomecontrole (ben immen beable)		1.4	0.0	

Libya

	Upper m		
	Country		Upper middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	6	6	2.490
Urban population (% of total)	77	78	61
GNI per capita, World Bank Atlas method (\$)	6,460	12,320	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.7	4.5	6.3
Adult literacy rate (% ages 15 and older)	86	89	94
Gross primary, secondary, tertiary school enrollment (%)	93		75
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	М	М	
Internet service			
Foreign ownership (not allowed, restricted, allowed)	 f) B	 B	
Reg. treatment of VoIP (banned, closed, no framework, allowed	1) Б	D	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			2.7 17.8
Telecommunications investment (% of revenue) Sector performance Access			17.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	 14.8ª	15.6ª	17.8 20.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	14.8 ^a 34.7	15.6° 155.7°	20.9 92.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	14.8 ^a 34.7 0.16	15.6° 155.7° 1.09°	20.9 92.4 9.90
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	14.8 ^a 34.7	15.6 ^a 155.7 ^a 1.09 ^a	20.9 92.4 9.90 35.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	14.8 ^a 34.7 0.16	15.6° 155.7° 1.09°	20.9 92.4 9.90 35.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	14.8 ^a 34.7 0.16 7.6	15.6° 155.7° 1.09° 	20.9 92.4 9.90 35.9 25.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	14.8 ^a 34.7 0.16 7.6	15.6° 155.7° 1.09° 	20.9 92.4 9.90 35.9 25.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	14.8 ^a 34.7 0.16 7.6 	15.6° 155.7° 1.09°	20.9 92.4 9.90 35.9 25.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	14.8 ^a 34.7 0.16 7.6	15.6° 155.7° 1.09° 	20.9 92.4 9.90 35.9 25.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	14.8 ^a 34.7 0.16 7.6 84.0 3.9 ^a	15.6° 155.7° 1.09°	20.9 92.4 9.90 35.5 25.8 2.0 144.1 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	14.8 ^a 34.7 0.16 7.6 	15.6 ² 155.7 ² 1.09 ² 17.0 ² 98	20.9 92.4 9.90 35.5 25.5 2.1 44.4 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	14.8 ^a 34.7 0.16 7.6 84.0 3.9 ^a	15.6° 155.7° 1.09° 17.0°	20.9 92.4 9.90 35.5 25.5 2.1 44.4 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	14.8a 34.7 0.16 7.6 84.0 3.9a 71 11.7 442a	15.6° 155.7° 1.09° 17.0° 98 8.2 10,992°	20.9 92.4 9.90 35.5 25.5 2.1 44.1 38.2 98 84.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	14.8° 34.7 0.16 7.6 84.0 3.9° 71 11.7 442°	15.6° 155.7° 1.09° 17.0° 98 8.2 10,992°	20.9 92.4 9.99 35.9 25.3 2.0 144.0 38.2 98 84.1 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	14.8a 34.7 0.16 7.6 84.0 3.9a 71 11.7 442a	15.6° 155.7° 1.09° 17.0° 98 8.2 10,992°	20.20.20.20.20.20.20.20.20.20.20.20.20.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	14.8 ^a 34.7 0.16 7.6 84.0 3.9 ^a 71 11.7 442 ^a	15.6° 155.7° 1.09° 17.0° 98 8.2 10,992°	20.20.20.20.20.20.20.20.20.20.20.20.20.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	14.8 ^a 34.7 0.16 7.6 84.0 3.9 ^a 71 11.7 442 ^a	15.6° 155.7° 1.09° 17.0° 98 8.2 10,992°	20.0.2 92.2 9.9.0 35.3 25.3 2.1 144.3 8.3 84.1 13,200 10.0 16.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	14.8 ^a 34.7 0.16 7.6 84.0 3.9 ^a 71 11.7 442 ^a	15.6° 155.7° 1.09° 17.0° 98 8.2 10,992°	20.0.2 92.4 9.90 35.5 25.5 2.1 144.1 38.2 90 84.1 13,200 10.1 16.1 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	14.8 ^a 34.7 0.16 7.6 84.0 3.9 ^a 71 11.7 442 ^a	15.6° 155.7° 1.09° 17.0° 98 8.2 10,992°	20 92 9.9.9 35 25 24.4 38 9 84 13.200 10 16 13 13
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	14.8 ^a 34.7 0.16 7.6 84.0 3.9 ^a 71 11.7 442 ^a	15.6 ⁸ 155.7 ⁸ 1.09 ⁸ 17.0 ⁸ 98 8.2 10,992 ⁸	20.1.2 9299.9.9 353525252144.4.38383838383838
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	14.8 ^a 34.7 0.16 7.6 84.0 3.9 ^a 71 11.7 442 ^a	15.6 ⁸ 155.7 ⁸ 1.09 ⁸ 17.0 ⁸ 98 8.2 10,992 ⁸	20.9 92.4 9.96 35.9 25.8

Liechtenstein

	Count	ry data	High- income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.03	0.04	1,135
Urban population (% of total)	15	14	80
GNI per capita, World Bank Atlas method (\$)	92,780	137,070	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.5	3.0	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	86	88	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	Р	C	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)		A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.8		
Telecommunications investment (% of revenue)			15.8
Sector performance			
Access		540	47.0
Fixed-telephone subscriptions (per 100 people)	57.7	54.0	
Mobile-cellular telephone subscriptions (per 100 people)	79.3	101.8	
Fixed (wired)-broadband subscriptions (per 100 people)	24.84	71.62	77.0
Households with a computer (%)			740
Households with Internet access at home (%)		••	14.3
Usage Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			184.6
Individuals using the Internet (%)	63.4	85.0	
Quality	05.4	03.0	13.0
Population covered by a mobile-cellular network (%)	94		100
Fixed (wired)-broadband subscriptions (% of total Internet)	54.9		05.0
International Internet bandwidth (bit/s per Internet user)	6,822	6,033	
Affordability	-,	-,	,
Fixed-telephone sub-basket (\$ a month)		29.0	23.8
Mobile-cellular sub-basket (\$ a month)		23.4	23.9
Fixed-broadband sub-basket (\$ a month)		47.1	26.6
Trade			
ICT goods exports (% of total goods exports)			9.6
ICT goods imports (% of total goods imports)			11.2
ICT service exports (% of total service exports)			30.6
Applications			
Online service index (0-1, 1=highest presence)	0.55	0.59	0.67
Secure Internet servers (per million people)	1,412.3	7,685.1	1,067.1

Lithuania

Europe & Central Asia	Upper m	iddle i	ncome
			Upper middle-
	Countr	y data	income group
	2005	2011	2011
Economic and social context			
Population (millions)	3	3	2,490
Urban population (% of total)	67	67	61
GNI per capita, World Bank Atlas method (\$)	7,380	12,980	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	8.0	0.5	6.3
Adult literacy rate (% ages 15 and older)	100	100	94
Gross primary, secondary, tertiary school enrollment (%)	93	89	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С		
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) A	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	2.7	2.7
Telecommunications investment (% of revenue)	15.6	13.9	
Access Fixed-telephone subscriptions (per 100 people)	23.5	21.9	20.9
Mobile-cellular telephone subscriptions (per 100 people)	127.5	151.3	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	6.85	22.13	9.96
Households with a computer (%)	32.0	61.8	35.9
Households with Internet access at home (%) Usage	15.8	61.8	25.5
Int'l. voice traffic, total (minutes/subscription/month)	6.0	5.4	2.6
Domestic mobile traffic (minutes/subscription/month)	55.7	11.5	144.6
Individuals using the Internet (%)	36.2	65.1	38.2
Quality			
Population covered by a mobile-cellular network (%)	100	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	90.9	99.8	84.6
International Internet bandwidth (bit/s per Internet user)	4,030	57,571	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)		12.9	10.0
Mobile-cellular sub-basket (\$ a month)		9.6	16.0
Fixed-broadband sub-basket (\$ a month)		10.3	18.2
Trade			
ICT goods exports (% of total goods exports)	5.3	2.4	13.9
ICT goods imports (% of total goods imports)	6.4	3.7	13.5
ICT service exports (% of total service exports)	8.2	9.7	
Applications			
Online service index (0-1, 1=highest presence)	0.66	0.70	0.46
Secure Internet servers (per million people)	21.7	262.4	

Luxembourg

	Count	ry data	High- income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.47	0.52	1,135
Urban population (% of total)	84	85	80
GNI per capita, World Bank Atlas method (\$)	69,180	77,390	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.5	1.3	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	76	75	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed) A	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.4	1.2	2.6
Telecommunications investment (% of revenue)	18.3	18.6	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	53.5	54.1	47.3
Mobile-cellular telephone subscriptions (per 100 people)	111.5	148.3	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	15.33	32.90	27.30
Households with a computer (%)	75.0	91.7	77.3
Households with Internet access at home (%)	64.6	90.6	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	74.2	69.1	
Domestic mobile traffic (minutes/subscription/month)	79.7	78.9	184.6
Individuals using the Internet (%)	70.0	90.9	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	58.9	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	29,528	89,564	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)		26.9	23.8
Mobile-cellular sub-basket (\$ a month)		26.0	23.9
Fixed-broadband sub-basket (\$ a month)		38.1	26.6
Trade			
ICT goods exports (% of total goods exports)	7.9	2.8	9.6
ICT goods imports (% of total goods imports)	8.4	4.0	11.2
ICT service exports (% of total service exports)	16.4	19.0	30.6
Applications	6 ==		
Online service index (0-1, 1=highest presence)	0.75	0.70	0.67
Secure Internet servers (per million people)	473.0	2,050.2	1,067.1

Macao SAR, China

	Countr	v data	High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	0.48	0.56	1,135
Urban population (% of total)	100	100	80
GNI per capita, World Bank Atlas method (\$)	23,410	45,460	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	12.8	11.9	0.7
Adult literacy rate (% ages 15 and older)	93		98
Gross primary, secondary, tertiary school enrollment (%)	87	81	94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5	1.8	2.6
Telecommunications investment (% of revenue)	16.8	11.1	15.8
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	36.2	29.8	47.3
Mobile-cellular telephone subscriptions (per 100 people)	110.7	243.5	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	14.13	24.73	27.30
Households with a computer (%)	68.1	83.0	77.3
Households with Internet access at home (%)	57.2	75.9	74.3
Usage	01.2	10.0	1 1.0
Int'l. voice traffic, total (minutes/subscription/month)	37.5	32.8	
Domestic mobile traffic (minutes/subscription/month)	123.1	02.0	184.6
Individuals using the Internet (%)	34.9	58.0	
Quality	0	00.0	. 0.0
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	76.8	99.4	95.0
International Internet bandwidth (bit/s per Internet user)	9,534	59,685	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)		8.4	23.8
Mobile-cellular sub-basket (\$ a month)		5.7	23.9
Fixed-broadband sub-basket (\$ a month)		8.5	26.6
Trade			
ICT goods exports (% of total goods exports)	2.8	5.2	9.6
ICT goods imports (% of total goods imports)	9.7	13.2	11.2
ICT service exports (% of total service exports) Applications	0.9	1.4	30.6
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	54.0	239.3	1,067.1
The state of the s			,

	Maceuvilia, fyk
Europe & Central Asia	Upper middle income

			Upper middle- income
_	Country	y data	group
	2005	2011	2011
Economic and social context			
Population (millions)	2	2	2,490
Urban population (% of total)	59	59	61
GNI per capita, World Bank Atlas method (\$)	2,900	4,810	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.9	3.3	6.3
Adult literacy rate (% ages 15 and older)	96	97	94
Gross primary, secondary, tertiary school enrollment (%)	70	71	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M		
Mobile telephone service	C	С	
Internet service	C	С	
Foreign ownership (not allowed, restricted, allowed)	A	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity		5.2	2.7
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	5.5 9.8	14.0	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	26.2	20.4	20.9
Mobile-cellular telephone subscriptions (per 100 people)	55.5	107.2	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	0.61	12.56	9.96
Households with a computer (%)	24.9		
,	24.9	53.6	
Households with Internet access at home (%)	12.5	53.6 46.1	
,			25.5
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	12.5	46.1 16.8 128.2	25.5 2.6 144.6
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	12.5 15.2	46.1 16.8	25.5 2.6 144.6
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	12.5 15.2 28.7 26.5a	46.1 16.8 128.2 56.7	25.5 2.6 144.6 38.2
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	12.5 15.2 28.7 26.5 ^a	46.1 16.8 128.2 56.7	25.5 2.6 144.6 38.2
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	12.5 15.2 28.7 26.5 ^a 99 11.5	46.1 16.8 128.2 56.7 100 99.6	25.5 2.6 144.6 38.2 98 84.6
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	12.5 15.2 28.7 26.5 ^a	46.1 16.8 128.2 56.7 100 99.6	25.5 2.6 144.6 38.2 98 84.6
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	12.5 15.2 28.7 26.5 ^a 99 11.5	46.1 16.8 128.2 56.7 100 99.6	25.5 2.6 144.6 38.2 98 84.6 13,200
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	12.5 15.2 28.7 26.5 ^a 99 11.5 63 ^a	46.1 16.8 128.2 56.7 100 99.6 17,945	25.5 2.6 144.6 38.2 98 84.6 13,200
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	12.5 15.2 28.7 26.5 ^a 99 11.5 63 ^a	46.1 16.8 128.2 56.7 100 99.6 17,945	25.5 2.6 144.6 38.2 98 84.6 13,200 10.0
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	12.5 15.2 28.7 26.5 ^a 99 11.5 63 ^a	46.1 16.8 128.2 56.7 100 99.6 17,945 11.9 19.1	25.5 2.6 144.6 38.2 98 84.6 13,200 10.0
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	12.5 15.2 28.7 26.5 ^a 99 11.5 63 ^a	46.1 16.8 128.2 56.7 100 99.6 17,945 11.9 19.1	25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	12.5 15.2 28.7 26.5 ^a 99 11.5 63 ^a 	46.1 16.8 128.2 56.7 100 99.6 17,945 11.9 19.1 12.8	25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	12.5 15.2 28.7 26.5 ^a 99 11.5 63 ^a 	46.1 16.8 128.2 56.7 100 99.6 17,945 11.9 19.1 12.8 0.3	25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2 13.9 13.5
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	12.5 15.2 28.7 26.5 ^a 99 11.5 63 ^a 	46.1 16.8 128.2 56.7 100 99.6 17,945 11.9 19.1 12.8 0.3 3.7	25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2 13.9 13.5
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	12.5 15.2 28.7 26.5 ^a 99 11.5 63 ^a 	46.1 16.8 128.2 56.7 100 99.6 17,945 11.9 19.1 12.8 0.3 3.7	144.6 38.2

Madagascar

Sub-Saharan Africa Low income

	Countr	Country data	
-	2005	2011	group 2011
Economic and social context			
Population (millions)	18	21	817
Urban population (% of total)	29	33	
GNI per capita, World Bank Atlas method (\$)	300	430	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	2.0	2.5	5.8
Adult literacy rate (% ages 15 and older)	71	64	
Gross primary, secondary, tertiary school enrollment (%)	62	67	58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C		
Mobile telephone service	C	C	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	3.2	
Telecommunications investment (% of revenue)	32.8	26.4	-
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.5	0.6	1.1
Mobile-cellular telephone subscriptions (per 100 people)	2.9	40.7	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.03	
Households with a computer (%)	0.5	1.4	
Households with Internet access at home (%)		0.7	
Usage			-
Int'l. voice traffic, total (minutes/subscription/month)	14.7a	1.2	
Domestic mobile traffic (minutes/subscription/month)	7.7	2.3	
Individuals using the Internet (%)	0.6	1.9	
Quality	0.0	1.0	0.0
Population covered by a mobile-cellular network (%)	23		
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	38.7	
International Internet bandwidth (bit/s per Internet user)	335	553	
Affordability	000	000	2,011
Fixed-telephone sub-basket (\$ a month)		18.2	9.6
Mobile-cellular sub-basket (\$ a month)		15.4	
Fixed-broadband sub-basket (\$ a month)		38.3	
Trade	••	00.0	12.0
ICT goods exports (% of total goods exports)	0.3	0.2	
ICT goods imports (% of total goods imports)	4.6	2.6	
ICT service exports (% of total service exports)	19.6	2.0	400
Applications	13.0		10.0
Online service index (0–1, 1=highest presence)	0.31	0.32	0.20
Secure Internet servers (per million people)	0.51	0.52	
Secure internet servers (her million heable)	0.2	0.0	0.8



Sub-Saharan Africa

Low income

Low-

_	Country data		income group
	2005	2011	2011
Economic and social context			
Population (millions)	13	15	817
Urban population (% of total)	15	16	28
GNI per capita, World Bank Atlas method (\$)	220	360	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.5	7.2	5.8
Adult literacy rate (% ages 15 and older)		75	63
Gross primary, secondary, tertiary school enrollment (%)	65	70	58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	Р	P	
Internet service	Р	P	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	C	
Sector efficiency and capacity			_
Telecommunications revenue (% of GDP)	3.4	3.4	
Telecommunications investment (% of revenue)			
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.8	1.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	3.3	25.7	41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.06	0.12
Households with a computer (%)			
Households with Internet access at home (%)			
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)		5.2	86.3
Individuals using the Internet (%)	0.4	3.3	6.0
Quality Population covered by a mobile-cellular network (%)	70	85	
Fixed (wired)-broadband subscriptions (% of total Internet)	2.7	2.2	24.5
International Internet bandwidth (bit/s per Internet user)	395	3,788	2,941
Affordability		4.0	0.0
Fixed-telephone sub-basket (\$ a month)		4.3	
Mobile-cellular sub-basket (\$ a month)		21.2	
Fixed-broadband sub-basket (\$ a month)		561.9	42.8
Trade	0.0		
ICT goods exports (% of total goods exports)	0.2	0.2	
ICT goods imports (% of total goods imports)	3.5	3.5	
ICT service exports (% of total service exports) Applications	6.8	16.2	18.6
Applications Online service index (0-1, 1=highest presence)	0.29	0.22	0.20
Secure Internet servers (per million people)	0.2	0.9	
,			

Malaysia

East Asia & Pacific	Upper m	Jpper middle income			
			Upper middle-		
	Country	Country data			
	2005	2011	group 2011		
Economic and social context					
Population (millions)	26	29	2,490		
Urban population (% of total)	68	73	61		
GNI per capita, World Bank Atlas method (\$)	5,190	8,770	6,563		
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.1	4.2	6.3		
Adult literacy rate (% ages 15 and older)	89	93	94		
Gross primary, secondary, tertiary school enrollment (%)	71		. 75		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Mixed	Private			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	С	C			
Mobile telephone service	С	C			
Internet service	С	C			
Foreign ownership (not allowed, restricted, allowed)	R	R			
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) A	А			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	4.6	3.6	2.7		
Telecommunications investment (% of revenue)	22.5	19.3	17.8		
Sector performance					
Access					
Fixed-telephone subscriptions (per 100 people)	16.7	14.7	20.9		
Mobile-cellular telephone subscriptions (per 100 people)	74.9	127.0	92.4		
Fixed (wired)-broadband subscriptions (per 100 people)	1.85	7.44	9.96		
Households with a computer (%)	31.3	64.1	35.9		
Households with Internet access at home (%)	15.2	61.4	25.5		
Usage					
Int'l. voice traffic, total (minutes/subscription/month)			2.6		
Domestic mobile traffic (minutes/subscription/month)			144.6		
Individuals using the Internet (%)	48.6	61.0	38.2		
Quality					
Population covered by a mobile-cellular network (%)	93	96	98		
Fixed (wired)-broadband subscriptions (% of total Internet)	11.6	27.6	84.6		
International Internet bandwidth (bit/s per Internet user) Affordability	252a	10,651	13,200		
Fixed-telephone sub-basket (\$ a month)		5.1	10.0		
Mobile-cellular sub-basket (\$ a month)		8.8			
Fixed-broadband sub-basket (\$ a month)		20.5			
Trade		20.0	10.2		
ICT goods exports (% of total goods exports)	43.4	29.4	13.9		
ICT goods imports (% of total goods imports)	38.0	25.4			
ICT service exports (% of total service exports)	19.4	19.5			
Applications	13.4	13.0	20.0		
Online service index (0-1, 1=highest presence)	0.61	0.79	0.46		
Secure Internet servers (per million people)	14.4	66.1			
ocours internet servors (per minion people)	17.4	00.1	13.3		

Maldives

South Asia L	lpper m	iddle i	ncome
	Countr	v data	Upper middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	0.30	0.32	2,490
Urban population (% of total)	34	41	61
GNI per capita, World Bank Atlas method (\$)	3,380	5,720	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.9	7.1	6.3
Adult literacy rate (% ages 15 and older)	98		94
Gross primary, secondary, tertiary school enrollment (%)	76		75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	М	P	
Internet service	М		
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)) B	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	9.6		2.7
Telecommunications investment (% of revenue)	15.2		17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	10.9	7.5	20.9
Mobile-cellular telephone subscriptions (per 100 people)	69.0	165.7	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.10	6.37	9.96
Households with a computer (%)	26.1a	54.4	35.9
Households with Internet access at home (%)	7.9	23.5	25.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			2.6
Domestic mobile traffic (minutes/subscription/month)	55.8	172.0	144.6
Individuals using the Internet (%)	6.9	34.0	a 38.2
Quality			
Population covered by a mobile-cellular network (%)	91	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	71.7	96.0	
International Internet bandwidth (bit/s per Internet user)	2,613	30,659	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)		4.1	
Mobile-cellular sub-basket (\$ a month)		6.8	
Fixed-broadband sub-basket (\$ a month) Trade		9.3	18.2
ICT goods exports (% of total goods exports)	0.2		13.9
ICT goods exports (% of total goods exports)	11.2	5.8	
ICT service exports (% of total service exports)			000
Applications			20.3
Online service index (0–1, 1=highest presence)	0.45	0.33	0.46
Secure Internet servers (per million people)	6.8	104.8	
Secure internet servers (her million heahie)	0.0	104.0	19.9



Sub-Saharan Africa Low income

Low-

	Countr	Country data	
	2005	2011	group 2011
Economic and social context			
Population (millions)	13	16	817
Urban population (% of total)	31	35	28
GNI per capita, World Bank Atlas method (\$)	390	610	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.9	4.7	5.8
Adult literacy rate (% ages 15 and older)	26	31	63
Gross primary, secondary, tertiary school enrollment (%)	43	50	58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		P	
Mobile telephone service	Р	P	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)		A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	5.1	
Telecommunications investment (% of revenue)	25.8	36.1	
Sector performance			
Access	0.6	0.7	1.1
Fixed-telephone subscriptions (per 100 people)	5.8	68.3	
Mobile-cellular telephone subscriptions (per 100 people)	0.00	0.01	
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	1.5	3.0	
Households with Internet access at home (%)		1.2	2
Usage		1.2	·
Int'l. voice traffic, total (minutes/subscription/month)	5.0	7.1	
Domestic mobile traffic (minutes/subscription/month)	9.9	16.4	
Individuals using the Internet (%)	0.5	2.0	
Quality	0.5	2.0	0.0
Population covered by a mobile-cellular network (%)	20		
Fixed (wired)-broadband subscriptions (% of total Internet)	45.7	6.5	24.5
International Internet bandwidth (bit/s per Internet user)	389	4,893	2,941
Affordability Fixed-telephone sub-basket (\$ a month)		7.9	9.6
Mobile-cellular sub-basket (\$ a month)		14.7	
Fixed-broadband sub-basket (\$ a month)		47.3	
Trade		47.3	42.0
ICT goods exports (% of total goods exports)	0.2	0.1	
ICT goods imports (% of total goods imports)	2.2	2.6	
ICT service exports (% of total service exports)	21.9	33.9	
Applications		55.5	15.0
Online service index (0-1, 1=highest presence)	0.16	0.32	0.20
Secure Internet servers (per million people)	0.1	1.0	
(F		110	5.0



	Count	Country data		H ind Country data	
	2005	2011	group 2011		
Economic and social context					
Population (millions)	0.40	0.42	1,135		
Urban population (% of total)	94	95	80		
GNI per capita, World Bank Atlas method (\$)	14,380	18,620	39,860		
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.8	2.0	0.7		
Adult literacy rate (% ages 15 and older)	92		98		
Gross primary, secondary, tertiary school enrollment (%)	78	82	94		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Mixed	Private			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	С	C			
Mobile telephone service	С	C			
Internet service	С	C			
Foreign ownership (not allowed, restricted, allowed)	Α	Α			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	Α			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	5.4	2.7	2.6		
Telecommunications investment (% of revenue)	15.1	15.2	15.8		
Sector performance					
Access	49.4	55.6	47.3		
Fixed-telephone subscriptions (per 100 people)					
Mobile-cellular telephone subscriptions (per 100 people)	79.2 12.56	124.9 30.95			
Fixed (wired)-broadband subscriptions (per 100 people)	46.0	76.4			
Households with a computer (%) Households with Internet access at home (%)		75.3			
* *	40.6	15.3	14.3		
Usage					
Int'l. voice traffic, total (minutes/subscription/month)	40.3	76.6	 184.6		
Domestic mobile traffic (minutes/subscription/month)	41.2	69.2			
Individuals using the Internet (%)	41.2	09.2	10.6		
Quality Population covered by a mobile collular naturals (%)	99	100	100		
Population covered by a mobile-cellular network (%)	57.9	100.0			
Fixed (wired)-broadband subscriptions (% of total Internet)					
International Internet bandwidth (bit/s per Internet user) Affordability	4,591	47,850	70,726		
Fixed-telephone sub-basket (\$ a month)		10.4	23.8		
Mobile-cellular sub-basket (\$ a month)		20.6	23.9		
Fixed-broadband sub-basket (\$ a month)		18.2	26.6		
Trade					
ICT goods exports (% of total goods exports)	45.2	22.9	9.6		
ICT goods imports (% of total goods imports)	25.5	13.0	11.2		
ICT service exports (% of total service exports)	15.3	13.1	30.6		
Applications					
Online service index (0-1, 1=highest presence)	0.66	0.61	0.67		
Secure Internet servers (per million people)	331.8	1,662.6	1,067.1		

Marshall Islands

East Asia & Pacific	Lower m	niddle i	ncome		
	0		Lower middle- income		
				Country data	
	2005	2011	2011		
Economic and social context	0.05	0.05	0.500		
Population (millions)	0.05 70	0.05 72	,		
Urban population (% of total)					
GNI per capita, World Bank Atlas method (\$)	3,560	3,910	,		
GDP growth, 2000–05 and 2005–11 (avg. annual %) Adult literacy rate (% ages 15 and older)	1.8	1.5	7.4		
Gross primary, secondary, tertiary school enrollment (%)	69				
Sector structure					
Separate telecommunications/ICT regulator	No	No			
Status of main fixed-line operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)					
Mobile telephone service					
Internet service					
Foreign ownership (not allowed, restricted, allowed)					
Reg. treatment of VoIP (banned, closed, no framework, allowe	d) B	В			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	5.0		. 2.5		
Telecommunications investment (% of revenue)			. 29.0		
Sector performance					
Access					
Fixed-telephone subscriptions (per 100 people)	10.6		. 5.6		
Mobile-cellular telephone subscriptions (per 100 people)	1.3				
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00			
Households with a computer (%)					
Households with Internet access at home (%)			. 7.7		
Usage					
Int'l. voice traffic, total (minutes/subscription/month)			. 6.5		
Domestic mobile traffic (minutes/subscription/month)					
Individuals using the Internet (%)	3.9	3.5	^a 16.2		
Quality			0.0		
Population covered by a mobile-cellular network (%)					
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	22.700			
International Internet bandwidth (bit/s per Internet user)	1,156	23,766	6,560		
Affordability			. 5.1		
Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)		-	44.0		
		-	04.0		
Fixed-broadband sub-basket (\$ a month) Trade			. 21.0		
ICT goods exports (% of total goods exports)			. 5.7		
ICT goods imports (% of total goods imports)	**		0.7		
ICT service exports (% of total service exports)			40.4		
Applications			. 43.4		
Online service index (0-1, 1=highest presence)	0.00	0.14	0.32		
Secure Internet servers (per million people)	19.1	125.6			
Coodia internet servers (per million people)	13.1	120.0			

Mauritania

Sub-Saharan Africa Low income

	Countr	Country data		L ountry data ع	
-	2005	2011	group 2011		
Economic and social context					
Population (millions)	3	4	817		
Urban population (% of total)	40	42	28		
GNI per capita, World Bank Atlas method (\$)	720	1,030	571		
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.5	4.0	5.8		
Adult literacy rate (% ages 15 and older)	51	58	63		
Gross primary, secondary, tertiary school enrollment (%)	47	51	58		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	С	С			
Mobile telephone service	С	С			
Internet service	С	С			
Foreign ownership (not allowed, restricted, allowed)	Α	Α			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	5.8	5.5			
Telecommunications investment (% of revenue)	19.2	30.6			
Sector performance					
Access	1.3	2.0	1.1		
Fixed-telephone subscriptions (per 100 people)					
Mobile-cellular telephone subscriptions (per 100 people)	24.5 0.01	93.6 0.17			
Fixed (wired)-broadband subscriptions (per 100 people)		3.0			
Households with a computer (%) Households with Internet access at home (%)		1.0			
Usage		1.0			
Int'l. voice traffic, total (minutes/subscription/month)	8.7	7.1			
Domestic mobile traffic (minutes/subscription/month)	47.1	58.7			
Individuals using the Internet (%)	0.7	4.5			
Quality	0.7	4.5	0.0		
Population covered by a mobile-cellular network (%)	26	62			
Fixed (wired)-broadband subscriptions (% of total Internet)	7.2	91.1	24.5		
International Internet bandwidth (bit/s per Internet user)	2,204	3,890	2,941		
Affordability	, -	-,	,-		
Fixed-telephone sub-basket (\$ a month)		18.0	9.6		
Mobile-cellular sub-basket (\$ a month)		14.4			
Fixed-broadband sub-basket (\$ a month)		23.5	42.8		
Trade					
ICT goods exports (% of total goods exports)					
ICT goods imports (% of total goods imports)	1.4	1.4			
ICT service exports (% of total service exports)			18.6		
Applications					
Online service index (0-1, 1=highest presence)	0.20	0.08	0.20		
Secure Internet servers (per million people)	0.3	1.7	0.8		

Mauritius

Sub-Saharan Africa	Upper m	income	
	Country	y data	Upper middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	1	1	2,490
Urban population (% of total)	42	42	61
GNI per capita, World Bank Atlas method (\$)	5,360	8,040	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.3	4.5	
Adult literacy rate (% ages 15 and older)	84	89	94
Gross primary, secondary, tertiary school enrollment (%)			75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) A	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.4	2.4	2.7
Telecommunications investment (% of revenue)	12.9	332.6	17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people)	28.4	28.7	20.9
Mobile-cellular telephone subscriptions (per 100 people)	52.3	99.0	
Fixed (wired)-broadband subscriptions (per 100 people)	0.43	8.94	
Households with a computer (%)	22.5ª	38.2	
Households with Internet access at home (%)	15.0a	36.4	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	14.5	15.6	2.6
Domestic mobile traffic (minutes/subscription/month)	80.8	131.5	144.6
Individuals using the Internet (%)	15.2a	35.0	a 38.2
Quality			
Population covered by a mobile-cellular network (%)	100	99	98
Fixed (wired)-broadband subscriptions (% of total Internet)	6.3	92.1	84.6
International Internet bandwidth (bit/s per Internet user) Affordability	802	12,714	13,200
Fixed-telephone sub-basket (\$ a month)		5.1	10.0
Mobile-cellular sub-basket (\$ a month)		6.7	16.0
Fixed-broadband sub-basket (\$ a month)		13.1	18.2
Trade		10.1	20.2
ICT goods exports (% of total goods exports)	13.3	0.5	13.9
ICT goods imports (% of total goods imports)	12.8	4.3	
ICT service exports (% of total service exports)	18.5	31.5	
Applications	20.0	31.0	20.0
Online service index (0-1, 1=highest presence)	0.51	0.43	0.46
Secure Internet servers (per million people)	18.5	132.4	
And the second seconds	20.0	_52.1	20.



Latin America & Caribbean	& Caribbean Upper middle incon		ncome
			Upper
	Countr	v data	middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	106	115	2.490
Urban population (% of total)	76	78	,
GNI per capita, World Bank Atlas method (\$)	7,820	9,420	
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.9	1.4	
Adult literacy rate (% ages 15 and older)	92	93	
Gross primary, secondary, tertiary school enrollment (%)	77	81	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	2.8	2.7
Telecommunications investment (% of revenue)	15.9	15.7	17.8
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	18.3	17.1	20.9
Mobile-cellular telephone subscriptions (per 100 people)	44.3	82.4	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.81	10.21	
Households with a computer (%)	18.6	30.0	
Households with Internet access at home (%)	8.9	23.3	25.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			2.6
Domestic mobile traffic (minutes/subscription/month)	45.8	101.3	
Individuals using the Internet (%)	17.2ª	36.2	38.2
Quality			
Population covered by a mobile-cellular network (%)	100	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	49.5	97.8	
International Internet bandwidth (bit/s per Internet user)	736ª	8,715	13,200
Affordability		40.0	40.0
Fixed-telephone sub-basket (\$ a month)		18.9	
Mobile-cellular sub-basket (\$ a month)		17.0	
Fixed-broadband sub-basket (\$ a month) Trade		18.2	18.2
	18.0	17.0	13.9
ICT goods exports (% of total goods exports)	18.0	17.0	
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			28.3
Applications Online cervine index (0, 1, 1-highest presence)	0.59	0.70	0.46
Online service index (0-1, 1=highest presence)		0.73	
Secure Internet servers (per million people)	8.1	29.7	19.9

Micronesia, Fed. Sts.

	Lower middle inco		
	Countr	v data	Lower middle- income
		2005 2011	
Proposite and restate and and	2005	2011	2011
Economic and social context Population (millions)	0.11	0.11	2,533
Urban population (% of total)	22	0.11	,
GNI per capita, <i>World Bank Atla</i> s method (\$)	2,510	2,860	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	0.4	-0.1	,
Adult literacy rate (% ages 15 and older)		0.1	
Gross primary, secondary, tertiary school enrollment (%)	75		63
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		М	
Mobile telephone service	С	М	
Internet service		М	
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8 13.2		
Telecommunications investment (% of revenue)			
Sector performance Access			
Sector performance	11.4	7.6	
Sector performance Access	11.4 12.9		5.6
Sector performance Access Fixed-telephone subscriptions (per 100 people)		7.6	5.6 80.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	12.9	7.6 24.8	5.6 80.1 1.25
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	12.9 0.04	7.6 24.8 0.90	5.6 80.1 1.25 10.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	12.9 0.04 	7.6 24.8 0.90	5.6 80.1 1.25 10.7 7.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	12.9 0.04 	7.6 24.8 0.90	5.6 80.1 1.25 10.7 7.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	12.9 0.04 44.2	7.6 24.8 0.90 	5.6 80.1 1.25 10.7 7.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	12.9 0.04 	7.6 24.8 0.90 	5.6 80.1 1.25 10.7 7.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	12.9 0.04 44.2	7.6 24.8 0.90 20.0	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	12.9 0.04 44.2 11.9	7.6 24.8 0.90 20.0	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	12.9 0.04 44.2 11.9	7.6 24.8 0.90 20.0	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	12.9 0.04 44.2 11.9	7.6 24.8 0.90 20.0	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	12.9 0.04 44.2 11.9	7.6 24.8 0.90 20.0	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	12.9 0.04 44.2 11.9 2.0 462	7.6 24.8 0.90 20.0	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	12.9 0.04 44.2 11.9 2.0 462	7.66 24.8 0.90 20.0	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	12.9 0.04 44.2 11.9 2.0 462	7.66 24.8 0.90 20.0 1,801 10.0 9.1	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	12.9 0.04 44.2 11.9 2.0 462	7.66 24.8 0.90 20.0 1,801 10.0 9.1	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	12.9 0.04 44.2 11.9 2.0 462	7.6 24.8 0.90 20.0 1,801 10.0 9.1 50.0	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	12.9 0.04 44.2 11.9 2.0 462	7.6 24.8 0.90 20.0 1,801 10.0 9.1 50.0	5.6 80.1 1.25 10.7 7.7 6.5 58.8 6,560 51.1 11.3 21.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	12.9 0.04 44.2 11.9 2.0 462	7.6 24.8 0.90 20.0 1,801 10.0 9.1 50.0	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	12.9 0.04 44.2 11.9 2.0 462	7.6 24.8 0.90 20.0 1,801 10.0 9.1 50.0	5.6 80.1 1.25 10.7 7.7 6.5 86 58.8 6,560 5.1 11.3 21.6 5.7 6.7 43.4

Moldova

Europe & Central Asia Lower middle incon			
Europe & Central Asia	Lower n	naale I	Lower
			middle- income
	Counti		group
	2005	2011	2011
Economic and social context Population (millions)	4	4	2,533
Urban population (% of total)	43	48	,
GNI per capita, World Bank Atlas method (\$)	890	1,980	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	7.1	3.3	,
Adult literacy rate (% ages 15 and older)	97	99	
Gross primary, secondary, tertiary school enrollment (%)	71	69	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) No	A	
Sector efficiency and capacity	0.7	F 4	2.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	9.7 31.4	5.1 42.9	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	24.7	33.3	5.6
Mobile-cellular telephone subscriptions (per 100 people)	28.9	104.8	
Fixed (wired)-broadband subscriptions (per 100 people)	0.28	10.02	1.25
Households with a computer (%)	7.0	36.9	a 10.7
Households with Internet access at home (%)		34.7	a 7.7
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	22.2	17.3	6.5
Domestic mobile traffic (minutes/subscription/month)	36.4	92.7	
Individuals using the Internet (%)	14.6	38.0	16.2
Quality			
Population covered by a mobile-cellular network (%)	97		
Fixed (wired)-broadband subscriptions (% of total Internet)	17.0	100.0	
International Internet bandwidth (bit/s per Internet user)	744	91,118	6,560
Affordability		1.9	5.1
Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)		12.6	
Fixed-broadband sub-basket (\$ a month)		12.0	
Trade		12.2	21.0
ICT goods exports (% of total goods exports)	0.3	0.6	5.7
ICT goods imports (% of total goods imports)	3.6	3.5	
ICT service exports (% of total service exports)	21.2	26.2	
Applications	0.45	0.50	0.00
Online service index (0-1, 1=highest presence)	0.45	0.52	
Secure Internet servers (per million people)	4.2	27.6	3.5

Monaco

	Country data		High- income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.04	0.04	1,135
Urban population (% of total)	100	100	80
	123,100	188,800	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.7	10.3	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		P	
Mobile telephone service	М	М	
Internet service	С	М	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.4		2.6
Telecommunications investment (% of revenue)	7.6		15.8
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	96.4	125.6	47.3
Mobile-cellular telephone subscriptions (per 100 people)	48.8	89.7	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	26.94	44.25	
Households with a computer (%)	20.34	65.5	
Households with Internet access at home (%)		57.2	
Usage		51.2	14.0
Int'l. voice traffic, total (minutes/subscription/month)	241.5		
Domestic mobile traffic (minutes/subscription/month)	49.0	122.5	184.6
Individuals using the Internet (%)	55.5	75.0	
Quality			
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	96.9	98.5	95.0
International Internet bandwidth (bit/s per Internet user) Affordability	5,720	48,955	70,726
Fixed-telephone sub-basket (\$ a month)		21.2	23.8
Mobile-cellular sub-basket (\$ a month)		52.6	
Fixed-broadband sub-basket (\$ a month)		45.9	26.6
Trade		45.5	20.0
ICT goods exports (% of total goods exports)			9.6
ICT goods imports (% of total goods imports)			11.2
ICT service exports (% of total service exports)			30.6
Applications			30.0
Online service index (0-1, 1=highest presence)	0.00	0.36	0.67
Secure Internet servers (per million people)	680.7		1,067.1
The state of the state of		,	,

Mongolia

East Asia & Pacific	Lower middle	income

				l n ir	
	Countr	y data	income group		
	2005	2011	2011		
Economic and social context					
Population (millions)	3	3	2,533		
Urban population (% of total)	62	68	39		
GNI per capita, World Bank Atlas method (\$)	890	2,310	1,772		
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.7	7.3	6.2		
Adult literacy rate (% ages 15 and older)	98	97	71		
Gross primary, secondary, tertiary school enrollment (%)	78	89	63		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	С	P			
Mobile telephone service	P	P			
Internet service	C	C			
Foreign ownership (not allowed, restricted, allowed)	R	R			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	ed) A	A			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	3.3	4.9			
Telecommunications investment (% of revenue)	15.1	20.0	29.0		
Sector performance					
Access	6.1	6.7			
Fixed-telephone subscriptions (per 100 people)	21.9	105.1			
Mobile-cellular telephone subscriptions (per 100 people)	0.07	3.17			
Fixed (wired)-broadband subscriptions (per 100 people)		22.3			
Households with a computer (%)		7.7	7.7		
Households with Internet access at home (%)		4.0	0.5		
Usage		4.2			
Int'l. voice traffic, total (minutes/subscription/month)	0.3	121.6			
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)		20.0	a 16.2		
Quality	29	88	86		
Population covered by a mobile-cellular network (%)	20.0	98.8			
Fixed (wired)-broadband subscriptions (% of total Internet)		53,576			
International Internet bandwidth (bit/s per Internet user)		00,010	0,000		
Affordability		0.7	5.1		
Fixed-telephone sub-basket (\$ a month)		3.6			
Mobile-cellular sub-basket (\$ a month)		8.5			
Fixed-broadband sub-basket (\$ a month)	•				
•	0.0		5.7		
Trade	5.0				
	5.0				
Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	6.0	21.1	43.4		
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)		21.1	43.4		
ICT goods exports (% of total goods exports)		21.1	43.4		
ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)		0.59			

Montenegro

Europe & Central Asia	Upper m	iddle i	ncome
	Country	y data	Upper middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	0.63	0.63	2,490
Urban population (% of total)	62	63	61
GNI per capita, World Bank Atlas method (\$)	3,580	7,140	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.8	3.7	6.3
Adult literacy rate (% ages 15 and older)		98	94
Gross primary, secondary, tertiary school enrollment (%)	74	86	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)		Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) No	Α	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance			2.7 17.8
Access			
Fixed-telephone subscriptions (per 100 people)	27.3	26.8	a 20.9
Mobile-cellular telephone subscriptions (per 100 people)	86.7	185.3	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.22	8.30	a 9.96
Households with a computer (%)	18.6	46.6	35.9
Households with Internet access at home (%)	13.8	51.4	25.5
Usage			0.4
Int'l. voice traffic, total (minutes/subscription/month)			2.6
Domestic mobile traffic (minutes/subscription/month)	110.7	40.0	
Individuals using the Internet (%)	27.1ª	40.0	a 38.2
Quality Papulation several by a mabile collular natural (9/)	99	100	98
Population covered by a mobile-cellular network (%)	9.5	100	
Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	9.5 1,413	04617	84.6
Affordability	1,413	84,617	13,200
-		7.8	10.0
Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)		16.5	16.0
Fixed-broadband sub-basket (\$ a month)		18.4	
Trade		10.4	10.2
ICT goods exports (% of total goods exports)		0.2	13.9
ICT goods exports (% of total goods exports)		3.3	
ICT service exports (% of total service exports)	 9.4	3.3 8.2	
Applications	5.4	0.2	20.3
Online service index (0–1, 1=highest presence)	0.43	0.51	0.46
Secure Internet servers (per million people)		28.4	
oceare internet servers (her inition heahie)		20.4	13.3



Middle East & North Africa L	ower m	iddle i	ncome
			Lower
			middle- income
	Countr		group
	2005	2011	2011
Economic and social context			
Population (millions)	30	32	,
Urban population (% of total)	55	57	
GNI per capita, World Bank Atlas method (\$)	1,960	2,970	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	5.0	4.7	
Adult literacy rate (% ages 15 and older)	52	56	
Gross primary, secondary, tertiary school enrollment (%)	59	63	63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	C	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed) C	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.6	4.6	2.5
Telecommunications investment (% of revenue)	17.0	16.2	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	4.4	11.0	5.6
Mobile-cellular telephone subscriptions (per 100 people)	40.8	113.3	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.82	1.83	1.25
Households with a computer (%)	17.2a	39.0	10.7
Households with Internet access at home (%)		35.3	7.7
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	12.7	9.8	6.5
Domestic mobile traffic (minutes/subscription/month)	7.8	52.1	
Individuals using the Internet (%)	15.1	51.0	16.2
Quality			
Population covered by a mobile-cellular network (%)	98	99	86
Fixed (wired)-broadband subscriptions (% of total Internet)	95.0	99.6	
International Internet bandwidth (bit/s per Internet user)	1,549	7,558	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)		2.3	5.1
Mobile-cellular sub-basket (\$ a month)		22.2	
Fixed-broadband sub-basket (\$ a month)		11.7	21.6
Trade			
ICT goods exports (% of total goods exports)	6.0	3.8	5.7
ICT goods imports (% of total goods imports)	7.0	5.9	6.7
ICT service exports (% of total service exports)	17.0	20.1	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.29	0.54	0.32
Cooura Internet corners (nor million needle)	0.7	2.0	2.5

3.5

3.8

0.7

Secure Internet servers (per million people)

Mozambique

Sub-Saharan Africa Low income

	Countr	Country data	
•	2005	2011	group 2011
Economic and social context			
Population (millions)	21	24	817
Urban population (% of total)	30	31	. 28
GNI per capita, World Bank Atlas method (\$)	300	460	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	8.5	6.8	5.8
Adult literacy rate (% ages 15 and older)	48	56	63
Gross primary, secondary, tertiary school enrollment (%)	52	62	58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	:
Mobile telephone service	С	C	:
Internet service	С	C	:
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.5	3.9	٠
Telecommunications investment (% of revenue)	24.6	8.2	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.3	0.4	
Mobile-cellular telephone subscriptions (per 100 people)	7.2	32.8	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.07	
Households with a computer (%)	3.8	4.0	٠.
Households with Internet access at home (%)	0.9		
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		2.3	
Domestic mobile traffic (minutes/subscription/month)	25.6	47.2	
Individuals using the Internet (%) Quality	0.9a	4.3	a 6.0
Population covered by a mobile-cellular network (%)			
Fixed (wired)-broadband subscriptions (% of total Internet)		100.0	24.5
International Internet bandwidth (bit/s per Internet user)	107a	1,244	
Affordability			
Fixed-telephone sub-basket (\$ a month)		11.5	9.6
Mobile-cellular sub-basket (\$ a month)		15.4	11.9
Fixed-broadband sub-basket (\$ a month)		49.7	42.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	١.
ICT goods imports (% of total goods imports)	4.5	1.5	
ICT service exports (% of total service exports)	20.6	21.1	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.26	0.37	0.20
Secure Internet servers (per million people)	0.1	1.4	0.8
<i>,</i>			



East Asia & Pacific

Low income

	Countr	y data	Low- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	46	48	817
Urban population (% of total)	29	33	28
GNI per capita, World Bank Atlas method (\$)			571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	12.8		5.8
Adult literacy rate (% ages 15 and older)	90	92	63
Gross primary, secondary, tertiary school enrollment (%)	57		58
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	M	
Mobile telephone service	M	М	
Internet service	Р	M	
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	С	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)	8.6		
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	1.1	1.1	1.1
Mobile-cellular telephone subscriptions (per 100 people)	0.3	2.6	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.02	0.12
Households with a computer (%)			
Households with Internet access at home (%)			
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	15.2		
Domestic mobile traffic (minutes/subscription/month)			86.3
Individuals using the Internet (%)	0.1	1.0	6.0
Quality			
Population covered by a mobile-cellular network (%)	10	2	
Fixed (wired)-broadband subscriptions (% of total Internet)	3.8	72.8	
International Internet bandwidth (bit/s per Internet user) Affordability	3,111	11,231	2,941
Fixed-telephone sub-basket (\$ a month)		0.9	9.6
Mobile-cellular sub-basket (\$ a month)		12.8	11.9
Fixed-broadband sub-basket (\$ a month)		28.5	42.8
Trade			
ICT goods exports (% of total goods exports)		0.0	
ICT goods imports (% of total goods imports)		1.7	
ICT service exports (% of total service exports)			18.6
Applications			
Online service index (0-1, 1=highest presence)	0.29	0.10	
Secure Internet servers (per million people)	0.0	0.1	0.8

Namibia

	Upper m	iddle i	ncome
	Countr		Upper middle- income
	Countr 2005	2011	group 2011
Economic and social context	2003	2011	2011
Population (millions)	2	2	2.490
Urban population (% of total)	35	38	61
GNI per capita, World Bank Atlas method (\$)	3,300	4,700	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.4	3.9	6.3
Adult literacy rate (% ages 15 and older)	85	89	94
Gross primary, secondary, tertiary school enrollment (%)	70		75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) B	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	3.1	2.7
Telecommunications investment (% of revenue)	7.5	12.0	17.8
Sector performance			
A a a a a a			
Access			
Fixed-telephone subscriptions (per 100 people)	6.7	6.8	20.9
	6.7 21.6	6.8 96.4	
Fixed-telephone subscriptions (per 100 people)			92.4
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	21.6	96.4	92. ⁴ 9.96
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	21.6 0.01	96.4 0.80	92.4 9.96 35.9
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	21.6 0.01 6.9 ^a 3.0 ^a	96.4 0.80 13.0 10.0	92. ² 9.96 35.9 25.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	21.6 0.01 6.9 ^a 3.0 ^a	96.4 0.80 13.0	92. ² 9.96 35.9 25.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	21.6 0.01 6.9 ^a 3.0 ^a	96.4 0.80 13.0 10.0 5.4	92.4 9.96 35.9 25.5 2.6 144.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	21.6 0.01 6.9 ^a 3.0 ^a	96.4 0.80 13.0 10.0 5.4 102.7	92.4 9.96 35.9 25.5 2.6 144.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	21.6 0.01 6.9 ^a 3.0 ^a	96.4 0.80 13.0 10.0 5.4 102.7	92.4 9.96 35.5 25.5 2.6 144.6 38.2
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	21.6 0.01 6.9 ^a 3.0 ^a 4.0 ^a	96.4 0.80 13.0 ³ 10.0 ³ 5.4 102.7 12.0 ³	92.4 9.96 9.96 35.5 25.5 2.6 144.6 98
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	21.6 0.01 6.9a 3.0a 4.0a	96.4 0.80 13.0 ³ 10.0 ³ 5.4 102.7 12.0 ³	92.4 9.96 9.96 35.8 25.8 2.6 144.6 98 84.6
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	21.6 0.01 6.9 ^a 3.0 ^a 4.0 ^a 88 0.2 432	96.4 0.80 13.0 ³ 10.0 ³ 5.4 102.7 12.0 ³ 100 2,349	92.4 9.96 9.96 3 35.5 25.5 2.6 144.6 38.2 98 84.6 13,200
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	21.6 0.01 6.9a 3.0a 4.0a 88 0.2 432	96.4 0.80 13.04 10.04 5.4 102.7 12.04 100 2,349	92.4 9.96 9.96 3 35.5 25.5 2.6 144.6 13,200
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	21.6 0.01 6.9° 3.0° 4.0° 88 0.2 432	96.4 0.80 13.04 10.04 5.4 102.7 12.04 100 2,349 14.1 16.0	92.4 9.96 9.96 3 35.9 25.8 2.6 144.6 13,200 10.0 16.0
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	21.6 0.01 6.9a 3.0a 4.0a 88 0.2 432	96.4 0.80 13.04 10.04 5.4 102.7 12.04 100 2,349	92.4 9.96 9.96 3 35.5 25.5 2.6 144.6 13,200 10.0 16.0
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Wasge Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	21.6 0.01 6.9° 3.0° 4.0° 88 0.2 432	96.4 0.80 13.04 10.04 5.4 102.7 12.04 100 2,349 14.1 16.0	92.4 9.96 9.96 35.5 2.6 144.6 13,200 10.6 18.2
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	21.6 0.01 6.9 ^a 3.0 ^a 4.0 ^a 88 0.2 432 	96.4 0.80 13.0 10.0 5.4 102.7 12.0 100 2,349 14.1 16.0 118.7	92.4 9.96 9.96 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	21.6 0.01 6.9 ^a 3.0 ^a 4.0 ^a 88 0.2 432 0.6 4.8	96.4 0.80 13.0 ⁶ 5.4 102.7 12.0 ⁶ 100 2,349 14.1 16.0 118.7 0.6 3.6	92.4 9.96 9.96 35.5 2.6 144.6 38.2 98 84.6 13,200 10.6 18.2 13.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	21.6 0.01 6.9 ^a 3.0 ^a 4.0 ^a 88 0.2 432 	96.4 0.80 13.0 10.0 5.4 102.7 12.0 100 2,349 14.1 16.0 118.7	92.4 9.96 9.96 35.5 2.6 144.6 38.2 98 84.6 13,200 10.6 18.2 13.5
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	21.6 0.01 6.9 ^a 3.0 ^a 4.0 ^a 88 0.2 432 0.6 4.8	96.4 0.80 13.0 ⁶ 5.4 102.7 12.0 ⁶ 100 2,349 14.1 16.0 118.7 0.6 3.6	92.2 9.96 35.5 26.144.6 144.6 13.200 10.0 16.0 18.2 13.5 13.5 28.3



South Asia Low income

	Countr	y data	Low- income group
-	2005	2011	2011
Economic and social context			
Population (millions)	27	30	817
Urban population (% of total)	15	17	28
GNI per capita, World Bank Atlas method (\$)	290	540	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.2	4.6	5.8
Adult literacy rate (% ages 15 and older)	49	60	63
Gross primary, secondary, tertiary school enrollment (%)			58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	С	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.9		
Telecommunications investment (% of revenue)	26.7		
Sector performance			
Access	1.0	2.0	1.1
Fixed-telephone subscriptions (per 100 people)	1.8	2.8	
Mobile-cellular telephone subscriptions (per 100 people)	0.8	43.8 0.31	
Fixed (wired)-broadband subscriptions (per 100 people)	1.9	4.2	2
Households with a computer (%) Households with Internet access at home (%)		1.0	
. ,		1.0	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			06.2
Domestic mobile traffic (minutes/subscription/month)			86.3
Individuals using the Internet (%) Quality	0.8	9.0	6.0
Population covered by a mobile-cellular network (%)	10	35	
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	45.5	24.5
International Internet bandwidth (bit/s per Internet user)	210	1,531	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)		3.4	
Mobile-cellular sub-basket (\$ a month)		3.2	
Fixed-broadband sub-basket (\$ a month)		23.3	42.8
Trade			
ICT goods exports (% of total goods exports)		0.2	
ICT goods imports (% of total goods imports)	4.5	5.3	
ICT service exports (% of total service exports) Applications	27.2	40.5	18.6
Online service index (0-1, 1=highest presence)	0.27	0.29	0.20
Secure Internet servers (per million people)	0.4	2.2	0.8

Netherlands

	Countr	v data	High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	16	17	1,135
Urban population (% of total)	80	83	80
GNI per capita, World Bank Atlas method (\$)	39,880	49,660	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.2	1.0	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	97	100	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	Р	С	
Internet service	Р	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	2.2	2.6
Telecommunications investment (% of revenue)	13.2	14.8	15.8
Sector performance			
Access	40.0	42.5	47.0
Fixed-telephone subscriptions (per 100 people)	46.6	43.5	47.3
Mobile-cellular telephone subscriptions (per 100 people)	97.1	115.4	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	25.14	38.74	27.30
Households with a computer (%)	78.0	94.2	77.3
Households with Internet access at home (%)	78.3	93.6	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	38.8	97.9	184.6
Individuals using the Internet (%)	81.0	92.3	75.8
Quality	100	00	100
Population covered by a mobile-cellular network (%)	100	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	73.2	100.0	95.0
International Internet bandwidth (bit/s per Internet user) Affordability	25,333°	162,532	10,726
Fixed-telephone sub-basket (\$ a month)		32.5	23.8
Mobile-cellular sub-basket (\$ a month)		33.2	23.9
Fixed-broadband sub-basket (\$ a month)		32.9	26.6
Trade			
ICT goods exports (% of total goods exports)	16.8	11.9	9.6
ICT goods imports (% of total goods imports)	18.7	12.8	11.2
ICT service exports (% of total service exports)	45.5	45.6	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.86	0.96	0.67
Secure Internet servers (per million people)	327.1	2,880.1	1,067.1
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New Caledonia

	Country	y data	High- income group
-	2005	2011	2011
Economic and social context			
Population (millions)	0.23	0.25	1,135
Urban population (% of total)	63	62	80
GNI per capita, World Bank Atlas method (\$)			39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)			0.7
Adult literacy rate (% ages 15 and older)		96	98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			15.8
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	23.9	29.9	47.3
Mobile-cellular telephone subscriptions (per 100 people)	58.1	89.2	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	4.15	16.78	27.30
Households with a computer (%)	4.13	10.70	77.3
Households with Internet access at home (%)			74.3
Usage			14.5
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	60.1		184.6
Individuals using the Internet (%)	32.4	50.0	
Quality	02.1	00.0	10.0
Population covered by a mobile-cellular network (%)	75a	89	100
Fixed (wired)-broadband subscriptions (% of total Internet)	51.2	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	1,765	18,421	70,726
Affordability	1,100	10,121	10,120
Fixed-telephone sub-basket (\$ a month)			23.8
Mobile-cellular sub-basket (\$ a month)			23.9
Fixed-broadband sub-basket (\$ a month)			26.6
Trade			20.0
ICT goods exports (% of total goods exports)	0.2	0.1	9.6
ICT goods imports (% of total goods imports)	4.6	3.4	11.2
ICT service exports (% of total service exports)	8.6	12.7	30.6
Applications	0.0	12.1	55.0
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	68.3	208.7	1,067.1
Sound internet sorvers (per minion people)	00.0	200.1	1,001.1

New Zealand

	Country	y data	High- income group
•	2005	2011	2011
Economic and social context			
Population (millions)	4	4	1,135
Urban population (% of total)	86	86	80
GNI per capita, World Bank Atlas method (\$)	24,990	29,140	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.1	0.3	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	106	108	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.4	2.4	2.6
Telecommunications investment (% of revenue)	6.1	25.3	15.8
Sector performance			
Access	44.0	40.0	47.0
Fixed-telephone subscriptions (per 100 people)	41.8	42.6	47.3
Mobile-cellular telephone subscriptions (per 100 people)	85.4 7.76	109.2 25.82	114.1 27.30
Fixed (wired)-broadband subscriptions (per 100 people)	67.8a	23.62 83.9	
Households with a computer (%) Households with Internet access at home (%)	62.1ª	79.0	
Usage	02.1	79.0	14.3
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	29.5	76.1	184.6
Individuals using the Internet (%)	62.7a	86.0	75.8
Quality	02.1	00.0	10.0
Population covered by a mobile-cellular network (%)	98	97	100
Fixed (wired)-broadband subscriptions (% of total Internet)	27.8	81.4	95.0
International Internet bandwidth (bit/s per Internet user)	1,764a		70,726
Affordability	_,	,	,
Fixed-telephone sub-basket (\$ a month)		33.0	23.8
Mobile-cellular sub-basket (\$ a month)		47.2	23.9
Fixed-broadband sub-basket (\$ a month)		40.5	26.6
Trade			
ICT goods exports (% of total goods exports)	1.7	1.2	9.6
ICT goods imports (% of total goods imports)	9.6	8.0	11.2
ICT service exports (% of total service exports)	14.6	21.1	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.74	0.78	0.67
Secure Internet servers (per million people)	489.9	1,505.2	1,067.1

Nicaragua

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	Count	v doto	Lower middle- income
	Country 2005	2011	group 2011
Economic and social context			
Population (millions)	5	6	2,533
Urban population (% of total)	56	58	39
GNI per capita, World Bank Atlas method (\$)	1,170	1,510	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.1	2.7	6.2
Adult literacy rate (% ages 15 and older)	78		. 71
Gross primary, secondary, tertiary school enrollment (%)	70		. 63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	!
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	C	
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed)	A B	R No	
Tog. treatment of von (bullieu, closed, no numework, unowed)		140	
Sector efficiency and capacity Telecommunications revenue (% of GDP)	2.9		. 2.5
Telecommunications revenue (% of revenue)	24.0		. 29.0
Access Fixed-telephone subscriptions (per 100 people)	4.1	4.9	5.6
Mobile-cellular telephone subscriptions (per 100 people)	20.6	82.2	
Fixed (wired)-broadband subscriptions (per 100 people)	0.19	1.45	1.25
Households with a computer (%)	3.8	8.2	a 10.7
Households with Internet access at home (%)	0.1	2.0	7.7
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			6.5
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	2.6	10.6	16.2
Quality			
Population covered by a mobile-cellular network (%)	70	100	86
Fixed (wired)-broadband subscriptions (% of total Internet)	45.0	-	
International Internet bandwidth (bit/s per Internet user) Affordability	43a	12,857	6,560
Fixed-telephone sub-basket (\$ a month)		5.2	5.1
Mobile-cellular sub-basket (\$ a month)		16.7	
Fixed-broadband sub-basket (\$ a month)		19.6	21.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	
ICT goods imports (% of total goods imports)	6.1	4.4	
ICT service exports (% of total service exports)		18.1	43.4
Applications Online convice index (0.1.1-highest presence)	0.37	0.31	0.32
Online service index (0-1, 1=highest presence)	2.0	10.2	
Secure Internet servers (per million people)	2.0	10.2	. 3.0



Sub-Saharan Africa Low income

	Count	ry data	Low- income
-	2005	2011	group 2011
Economic and social context			
Population (millions)	13	16	817
Urban population (% of total)	17	18	
GNI per capita, World Bank Atlas method (\$)	260	360	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	3.7	4.5	
Adult literacy rate (% ages 15 and older)	29		
Gross primary, secondary, tertiary school enrollment (%)	25	36	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service	М	М	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2	4.9	
Telecommunications investment (% of revenue)	56.5		
Sector performance			
Access		0.5	
Fixed-telephone subscriptions (per 100 people)	0.2	0.5	
Mobile-cellular telephone subscriptions (per 100 people)	2.5	29.5	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.01	
Households with a computer (%)		1.5	
Households with Internet access at home (%)		0.1	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)		18,471.9	
Individuals using the Internet (%) Quality	0.2	1.3	6.0
Population covered by a mobile-cellular network (%)	15	75	
Fixed (wired)-broadband subscriptions (% of total Internet)	5.9	11.3	24.5
International Internet bandwidth (bit/s per Internet user)	1,043	1,005	a 2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)		11.7	9.6
Mobile-cellular sub-basket (\$ a month)		16.6	
Fixed-broadband sub-basket (\$ a month)		59.6	42.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.2	
ICT goods imports (% of total goods imports)	3.2	3.7	
ICT service exports (% of total service exports)	34.3	5.4	
Applications			
Online service index (0-1, 1=highest presence)	0.11	0.20	0.20
Secure Internet servers (per million people)	0.1	0.3	
		-10	2.0

Nigeria

Sub-Saharan Africa	Lower m	iddle i	ncome
	Countr	Country data	
			group
	2005	2011	2011
Economic and social context	4.40	400	0.500
Population (millions)	140	162	,
Urban population (% of total)	46	50	
GNI per capita, World Bank Atlas method (\$)	630	1,280	,
GDP growth, 2000–05 and 2005–11 (avg. annual %) Adult literacy rate (% ages 15 and older)	6.6 55	6.8 61	
Gross primary, secondary, tertiary school enrollment (%)	56		0.0
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	Р	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	А	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) A	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	2.6	2.5
Telecommunications investment (% of revenue)	0.4	75.5	29.0
Sector performance Access Fixed-telephone subscriptions (per 100 people)	0.9	0.4	5.6
Mobile-cellular telephone subscriptions (per 100 people)	13.3	58.6	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.13	
Households with a computer (%)	5.1	9.3	
Households with Internet access at home (%)	J.1 	4.6	
Usage		4.0	
Int'l. voice traffic, total (minutes/subscription/month)	6.2	4.6	6.5
Domestic mobile traffic (minutes/subscription/month)	27.4	37.6	
Individuals using the Internet (%)	3.5	28.4	
Quality			
Population covered by a mobile-cellular network (%)	58	90	86
Fixed (wired)-broadband subscriptions (% of total Internet)		44.6	58.8
International Internet bandwidth (bit/s per Internet user) Affordability	30	368	a 6,560
Fixed-telephone sub-basket (\$ a month)		16.1	5.1
Mobile-cellular sub-basket (\$ a month)		15.9	
Fixed-broadband sub-basket (\$ a month)		59.7	
Trade		55.1	
ICT goods exports (% of total goods exports)	0.0	0.0	5.7
ICT goods imports (% of total goods imports)	3.9	3.9	
ICT service exports (% of total service exports)	1.6	2.5	
Applications	-		-
Online service index (0-1, 1=highest presence)	0.31	0.22	0.32
Secure Internet servers (per million people)	0.2	1.8	

Northern Mariana Islands

	Countr	y data	High- income group
•	2005	2011	2011
Economic and social context			
Population (millions)	0.07	0.06	1,135
Urban population (% of total)	91	91	80
GNI per capita, World Bank Atlas method (\$)			39.860
GDP growth, 2000-05 and 2005-11 (avg. annual %)			0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			15.8
Sector performance			
Access	34.6a	41.9	47.3
Fixed-telephone subscriptions (per 100 people)	29.9		114.1
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	
Households with a computer (%)			77.3
Households with Internet access at home (%)			74.3
Usage			14.3
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			184.6
Individuals using the Internet (%)			75.8
Quality			13.0
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			95.0
International Internet bandwidth (bit/s per Internet user)			70,726
Affordability			10,120
Fixed-telephone sub-basket (\$ a month)			23.8
Mobile-cellular sub-basket (\$ a month)			23.9
Fixed-broadband sub-basket (\$ a month)			26.6
Trade			
ICT goods exports (% of total goods exports)			9.6
ICT goods imports (% of total goods imports)			11.2
ICT service exports (% of total service exports)			30.6
Applications			
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	77.7	48.3	1,067.1

Norway

	Countr	y data	High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	5	5	1,135
Urban population (% of total)	77	79	80
GNI per capita, World Bank Atlas method (\$)	62,490	88,870	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.1	0.7	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	99	98	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		С	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.6	1.2	2.6
Telecommunications investment (% of revenue)			15.8
Sector performance			
Access	45.6	31.0	47.3
Fixed-telephone subscriptions (per 100 people)	102.8		114.1
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	21.44	115.6 35.44	27.30
Households with a computer (%)	74.0	91.0	77.3
Households with Internet access at home (%)	64.0	92.2	74.3
Usage	04.0	92.2	14.3
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	119.3	174.5	184.6
Individuals using the Internet (%)	82.0	94.0	75.8
Quality	02.0	34.0	13.0
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)	69.8	97.7	95.0
International Internet bandwidth (bit/s per Internet user)		151,257	
Affordability	11,349	131,237	10,120
Fixed-telephone sub-basket (\$ a month)		23.8	23.8
Mobile-cellular sub-basket (\$ a month)		14.6	23.9
Fixed-broadband sub-basket (\$ a month)		49.1	26.6
Trade		45.1	20.0
ICT goods exports (% of total goods exports)	1.2	1.0	9.6
ICT goods imports (% of total goods imports)	8.8	6.9	11.2
ICT service exports (% of total service exports)	24.4	37.2	30.6
Applications	27.7	51.2	50.0
Online service index (0-1, 1=highest presence)	0.89	0.86	0.67
Secure Internet servers (per million people)	308.9		1,067.1
Coours internet servers (per million people)	500.3	1,524.0	1,001.1

Oman

	Country	y data	High- income group
•	2005	2011	2011
Economic and social context			
Population (millions)	2	3	1,135
Urban population (% of total)	72	73	80
GNI per capita, World Bank Atlas method (\$)	11,190	19,260	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.1	6.0	0.7
Adult literacy rate (% ages 15 and older)	81	87	98
Gross primary, secondary, tertiary school enrollment (%)	72	78	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	Р	P	
Internet service	M	С	
Foreign ownership (not allowed, restricted, allowed)	R	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	2.5	2.6
Telecommunications investment (% of revenue)	102.5	12.9	15.8
Sector performance			
Access	10.9	10.1	47.3
Fixed-telephone subscriptions (per 100 people)	54.9	169.0	114.1
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.54	1.85	27.30
Households with a computer (%)	37.2	58.0°	
Households with Internet access at home (%)	15.5a	38.9ª	
Usage	15.5	30.3	14.5
Int'l. voice traffic, total (minutes/subscription/month)	18.1	22.9	
Domestic mobile traffic (minutes/subscription/month)	99.9	113.4	184.6
Individuals using the Internet (%)	6.7	68.0ª	
Quality			
Population covered by a mobile-cellular network (%)	92	98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	24.4	59.0	95.0
International Internet bandwidth (bit/s per Internet user) Affordability	3,073	6,331	70,726
Fixed-telephone sub-basket (\$ a month)		13.1	23.8
Mobile-cellular sub-basket (\$ a month)		8.7	23.9
Fixed-broadband sub-basket (\$ a month)		25.9	26.6
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	9.6
ICT goods imports (% of total goods imports)	4.4	2.9	11.2
ICT service exports (% of total service exports)	21.9	15.0	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.47	0.67	0.67
Secure Internet servers (per million people)	4.1	53.4	1,068.0

Pakistan

South Asia	Lower m	er middle incom	
	0		Lower middle- income
	Countr 2005		group
Francis and code contact	2005	2011	2011
Economic and social context Population (millions)	159	177	2,533
Urban population (% of total)	34	36	
GNI per capita, World Bank Atlas method (\$)	710	1,120	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	5.0	3.7	,
Adult literacy rate (% ages 15 and older)	50	55	
Gross primary, secondary, tertiary school enrollment (%)	40	44	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	Р	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2 61.0	2.0 12.1	
Telecommunications investment (% of revenue)			
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	3.3	3.2	5.6
Mobile-cellular telephone subscriptions (per 100 people)	8.1	61.6	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.42	
Households with a computer (%)	8.1		
Households with Internet access at home (%)			7.7
Usage	4.0	0.0	
Int'l. voice traffic, total (minutes/subscription/month)	<i>4.0</i> 40.9	8.3 107.2	
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	6.3	9.0	
Quality	0.3	9.0	- 10.2
Population covered by a mobile-cellular network (%)	36	92	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.7	25.6	
International Internet bandwidth (bit/s per Internet user)	72	8,172	
Affordability		-,	-,
Fixed-telephone sub-basket (\$ a month)		4.1	5.1
Mobile-cellular sub-basket (\$ a month)		3.3	11.3
Fixed-broadband sub-basket (\$ a month)		14.2	21.6
Trade			
ICT goods exports (% of total goods exports)	0.5	0.2	5.7
ICT goods imports (% of total goods imports)	8.7	3.6	6.7
ICT service exports (% of total service exports) Applications	17.9	23.4	43.4
Online service index (0-1, 1=highest presence)	0.32	0.37	0.32
Secure Internet servers (per million people)	0.32	1.3	
Secure internet servers (her million heahie)	0.3	1.3	3.0

Palau

East Asia & Pacific	opper ii	per middle ir			per middle incom	
			Upper middle- income			
	Countr	Country data				
	2005	2011	group 2011			
Economic and social context						
Population (millions)	0.02	0.02	2,490			
Urban population (% of total)	78	84	6:			
GNI per capita, World Bank Atlas method (\$)	7,770	6,510				
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.9	-1.5	6.3			
Adult literacy rate (% ages 15 and older)			9			
Gross primary, secondary, tertiary school enrollment (%)			7:			
Sector structure						
Separate telecommunications/ICT regulator						
Status of main fixed-line operator	Public	Public				
Level of competition (competition, partial comp., monopoly)						
International gateway(s)						
Mobile telephone service						
Internet service						
Foreign ownership (not allowed, restricted, allowed)						
Reg. treatment of VoIP (banned, closed, no framework, allowed	(b					
Telecommunications revenue (% of GDP)						
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance			2. 17.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)			17.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)		33.6	20.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	40.1 30.4	33.6 74.9	20. 92.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	40.1 30.4 0.50	33.6	20. 92. 9.9			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	40.1 30.4	33.6 74.9 2.51	20. 92. 9.9 35.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	40.1 30.4 0.50	33.6 74.9 2.51	20. 92. 9.9 35.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	40.1 30.4 0.50 18.5	33.6 74.9 2.51	20. 92. 9.9 35. 25.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	40.1 30.4 0.50 18.5	33.6 74.9 2.51 19.0	20. 92. 9.9 35. 25.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	40.1 30.4 0.50 18.5 	33.6 74.9 2.51 19.0 25.9	20. 92. 9.9 35. 25.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	40.1 30.4 0.50 18.5 	33.6 74.9 2.51 19.0	20. 92. 9.9 35. 25.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	40.1 30.4 0.50 18.5 	33.6 74.9 2.51 19.0 25.9	20. 92. 9.9 35. 25. 2. 144. 38.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	40.1 30.4 0.50 18.5 50.7 27.0	33.6 74.9 2.51 19.0 25.9	20. 92. 9.9 35. 25. 244. 38.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	40.1 30.4 0.50 18.5 50.7 27.0	33.6 74.9 2.51 19.0 25.9 	20. 92. 9.9 35. 25. 244. 38.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	40.1 30.4 0.50 18.5 50.7 27.0	33.6 74.9 2.51 19.0 25.9 	20. 92. 9.9 35. 25. 244. 38.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	40.1 30.4 0.50 18.5 50.7 27.0 30 7.6 1,123	33.6 74.9 2.51 19.0 25.9 98 39.9	20. 92. 9.9 35. 25. 24. 38. 9 84. 13,20			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	40.1 30.4 0.50 18.5 50.7 27.0 30 7.6 1,123	33.6 74.9 2.51 19.0 25.9 98 39.9	20. 92. 9.9. 35. 25. 24. 144. 38. 9. 84. 13,20			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	40.1 30.4 0.50 18.5 50.7 27.0 30 7.6 1,123	33.6 74.9 2.51 19.0 25.9 	20. 92. 9.9 35. 25. 2. 144. 38. 9 84. 13,20			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	40.1 30.4 0.50 18.5 50.7 27.0 30 7.6 1,123	33.66 74.9 2.51 19.0 25.9 	20. 92. 9.9. 35. 25. 24. 144. 38. 9. 84. 13,20 10. 16. 18.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	40.1 30.4 0.50 18.5 50.7 27.0 30 7.6 1,123	33.66 74.9 2.51 19.0 25.9 	20.0. 20.0. 9.9. 9.9. 35. 25. 24. 38. 9.8. 44. 13,20 10. 16. 18. 13. 13.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	40.1 30.4 0.50 18.5 50.7 27.0 30 7.6 1,123	33.66 74.9 2.51 19.0 25.9 	20.0. 20.0. 9.9. 9.9. 35. 25. 24. 38. 9.8. 44. 13,20 10. 16. 18. 13. 13.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	40.1 30.4 0.50 18.5 27.0 30 7.6 1,123	33.66 74.9 2.51 19.0 25.9 	20.0. 20.0. 92. 9.9. 35. 25. 25. 1444. 38. 98.4. 13,20. 10. 18. 13. 28.			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	40.1 30.4 0.50 18.5 50.7 27.0 30 7.6 1,123	33.66 74.9 2.51 19.0 25.9 	20.0. 20.0. 9.9. 3.5. 25. 2.144. 38. 9.8.4. 13,20 10. 16. 18. 13. 13. 28. 0.4			

Panama

Latin America & Caribbean U	ppc: iii	per middle i			per middle incon	
			Upper middle- income			
	Country data		group			
	2005	2011	2011			
Economic and social context	0		0.400			
Population (millions)	3	4	-,			
Urban population (% of total)	71	75				
GNI per capita, World Bank Atlas method (\$)	4,640	7,470	,			
GDP growth, 2000–05 and 2005–11 (avg. annual %)	4.4	8.5	6.3			
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	92 79	94 79				
Sector structure						
Separate telecommunications/ICT regulator	Yes	Yes				
Status of main fixed-line operator	Mixed	Mixed				
Level of competition (competition, partial comp., monopoly) International gateway(s)						
Mobile telephone service	 P	P				
Internet service	C					
Foreign ownership (not allowed, restricted, allowed)	A	A				
Reg. treatment of VoIP (banned, closed, no framework, allowed)		No				
Sector efficiency and capacity						
Telecommunications revenue (% of GDP)	3.7	3.3	2.7			
· · · · · · · · · · · · · · · · · · ·						
Telecommunications investment (% of revenue)			17.8			
· · · · · ·			17.8			
Telecommunications investment (% of revenue) Sector performance Access						
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	14.5	15.7	20.9			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	14.5 54.0	15.7 188.6	20.9 92.4			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	14.5 54.0 0.54	15.7 188.6 7.92	20.9 92.4 9.96			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	14.5 54.0 0.54 14.6	15.7 188.6 7.92 29.0	20.9 92.4 9.96 35.9			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	14.5 54.0 0.54	15.7 188.6 7.92	20.9 92.4 9.96 35.9			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	14.5 54.0 0.54 14.6	15.7 188.6 7.92 29.0 20.7	20.9 92.4 9.96 35.9 25.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	14.5 54.0 0.54 14.6 8.1	15.7 188.6 7.92 29.0 20.7	20.9 92.4 9.96 35.9 25.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	14.5 54.0 0.54 14.6 8.1 	15.7 188.6 7.92 29.0 20.7 6.7 63.7	20.9 92.4 9.96 35.9 25.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	14.5 54.0 0.54 14.6 8.1	15.7 188.6 7.92 29.0 20.7	20.9 92.4 9.96 35.9 25.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	14.5 54.0 0.54 14.6 8.1 61.3 11.5	15.7 188.6 7.92 29.0 20.7 6.7 63.7 42.7	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	14.5 54.0 0.54 14.6 8.1 61.3 11.5	15.7 188.6 7.92 29.0 20.7 6.7 63.7 42.7	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	14.5 54.0 0.54 14.6 8.1 61.3 11.5 75 21.3	15.7 188.6 7.92 29.0 20.7 6.7 63.7 42.7 92 97.7	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	14.5 54.0 0.54 14.6 8.1 61.3 11.5	15.7 188.6 7.92 29.0 20.7 6.7 63.7 42.7	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	14.5 54.0 0.54 14.6 8.1 61.3 11.5 75 21.3 2,490 ^a	15.7 188.6 7.92 29.0 20.7 6.7 63.7 42.7 92 97.7 44,121	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	14.5 54.0 0.54 14.6 8.1 61.3 11.5 75 21.3 2,490°a	15.7 188.6 7.92 29.0 20.7 6.7 63.7 42.7 92 97.7 44,121	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	14.5 54.0 0.54 14.6 8.1 61.3 11.5 75 21.3 2,490°	15.7 188.6 7.92 29.0 20.7 6.7 63.7 42.7 92 97.7 44,121 12.8 9.4	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	14.5 54.0 0.54 14.6 8.1 61.3 11.5 75 21.3 2,490°a	15.7 188.6 7.92 29.0 20.7 6.7 63.7 42.7 92 97.7 44,121	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	14.5 54.0 0.54 14.6 8.1 61.3 11.5 75 21.3 2,490°	15.7 188.6 7.92 29.0 20.7 6.7 63.7 42.7 92 97.7 44,121 12.8 9.4	20.9 92.4 99.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	14.5 54.0 0.54 14.6 8.1 61.3 11.5 75 21.3 2,490 ^a	15.7 188.6 7.92 29.0 20.7 6.7 63.7 42.7 92 97.7 44,121 12.8 9.4 14.7	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	14.5 54.0 0.54 14.6 8.1 61.3 11.5 75 21.3 2,490 ^a 	15.7 188.6 7.92 29.0 20.7 6.7 63.7 42.7 92 97.7 44,121 12.8 9.4 14.7 7.9	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	14.5 54.0 0.54 14.6 8.1 61.3 11.5 75 21.3 2,490°a 	15.7 188.6 7.92 29.0 20.7 6.7 63.7 42.7 92 97.7 44,121 12.8 9.4 14.7	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	14.5 54.0 0.54 14.6 8.1 61.3 11.5 75 21.3 2,490 ^a 	15.7 188.6 7.92 29.0 20.7 6.7 63.7 42.7 92 97.7 44,121 12.8 9.4 14.7 7.9	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2 13.9 13.5 28.3			

Papua New Guinea

wer middle incor		ncome
		Lower
		middle- income
2005	2011	group 2011
6	7	2,533
13	13	39
680	1,480	1,772
1.6	6.6	6.2
57	61	71
		. 63
Yes	Yes	3
Public	Public	;
Μ	M	1
Ρ	P)
Α	A	1
••		. 29.0
1.0		
1.2		
0.00a		
	1.9	1.1
		. 6.5
		. 0.0
1.7)a 16.2
1.7	2.0	10.2
		. 86
		. 58.8
57a		
01	0,100	0,000
	4.5	5.1
	00.0	
0.0		. 5.7
3.2		
72.8		
0.21	0.23	0.32
0.5		
).21	0.21 0.23

Paraguay

Latin America & Caribbean

Lower middle income

			Lower middle- income
	Countr 2005	y data 2011	group 2011
Proposite and costal content	2003	2011	2011
Economic and social context	6	7	2 522
Population (millions)	58	62	,
Urban population (% of total) GNI per capita, World Bank Atlas method (\$)	1.260	3,020	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	1,200	5.3	
Adult literacy rate (% ages 15 and older)	95	94	
Gross primary, secondary, tertiary school enrollment (%)	72	70	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	;
Status of main fixed-line operator	Public	Public	:
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	;
Mobile telephone service	С	C	;
Internet service	С	C	;
Foreign ownership (not allowed, restricted, allowed)	R	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	ı
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.1	4.0	2.5
Telecommunications investment (% of revenue)			. 29.0
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	5.4	5.7	5.6
Mobile-cellular telephone subscriptions (per 100 people)	32.0	99.4	
Fixed (wired)-broadband subscriptions (per 100 people)	0.09	0.92	
Households with a computer (%)	8.7	22.7	
Households with Internet access at home (%)	1.7	19.3	
Usage	1.7	13.0	1.1
Int'l. voice traffic, total (minutes/subscription/month)		7.2	6.5
Domestic mobile traffic (minutes/subscription/month)		81.6	
Individuals using the Internet (%)	7.9	23.9	
Quality		20.0	10.2
Population covered by a mobile-cellular network (%)		94	86
Fixed (wired)-broadband subscriptions (% of total Internet)	9.3	26.6	
International Internet bandwidth (bit/s per Internet user)	738	9,482	
Affordability		-,	-,
Fixed-telephone sub-basket (\$ a month)		6.8	5.1
Mobile-cellular sub-basket (\$ a month)		9.7	
Fixed-broadband sub-basket (\$ a month)		19.2	
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	5.7
ICT goods imports (% of total goods imports)	17.4	21.7	
ICT service exports (% of total service exports)	19.7	33.0	
Applications		23.0	
Online service index (0-1, 1=highest presence)	0.47	0.46	0.32
Secure Internet servers (per million people)	1.4	11.4	
V			

Peru

Economic and social context		v data	Upper middle- income
Economic and social context		v data	income
Fconomic and social context		Country data	
Fconomic and social context	2005	2011	group 2011
Evolution and Sovial Collect			
Population (millions)	28	29	2,490
Urban population (% of total)	75	77	61
GNI per capita, World Bank Atlas method (\$)	2,710	5,150	
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.3	6.9	
Adult literacy rate (% ages 15 and older)	88		
Gross primary, secondary, tertiary school enrollment (%)	82	83	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) A	Α	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	8.7 20.3 1.28 8.2 3.5	12.5 110.4 4.05 23.0 14.0	20.9 92.4 9.96 a 35.9
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	13.7	9.5	
Domestic mobile traffic (minutes/subscription/month)	40.5	58.6	
Individuals using the Internet (%)	17.1ª	36.5	38.2
Quality			
Population covered by a mobile-cellular network (%)	92	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	42.3	99.4	
International Internet bandwidth (bit/s per Internet user) Affordability	2,122	9,319	a 13,200
Fixed-telephone sub-basket (\$ a month)		12.1	10.0
Mobile-cellular sub-basket (\$ a month)		42.9	16.0
Fixed-broadband sub-basket (\$ a month)		29.6	18.2
Trade			
ICT goods exports (% of total goods exports)	0.2	0.1	13.9
ICT goods imports (% of total goods imports)	8.4	7.4	
	13.9	15.2	
			_5.0
ICT service exports (% of total service exports)	10.0		
	0.53	0.52	0.46

Philinnines

FI	mih	hII	109
East Asia & Pacific	Lower m	iddle i	ncome
	Country	v data	Lower middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	86	95	2,533
Urban population (% of total)	48	49	,
GNI per capita, World Bank Atlas method (\$)	1,210	2,210	1,772
GDP growth, 2000–05 and 2005–11 (avg. annual %)	4.7	4.6	
Adult literacy rate (% ages 15 and older)	93	95	
Gross primary, secondary, tertiary school enrollment (%)	78	76	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) A	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.2	2.4	
Telecommunications investment (% of revenue)	24.4	24.0	29.0
Sector performance			
Access	2.0	0.7	F 0
Fixed-telephone subscriptions (per 100 people)	3.9	3.7	
Mobile-cellular telephone subscriptions (per 100 people)	40.7	99.3	
Fixed (wired)-broadband subscriptions (per 100 people)	0.14a	1.89	
Households with a computer (%)	6.6a	13.1	
Households with Internet access at home (%)		10.1	a 7.7
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			6.5
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	5.4a	29.0	a 16.2
Quality			
Population covered by a mobile-cellular network (%)	99	99	a 86
Fixed (wired)-broadband subscriptions (% of total Internet)	8.5	34.5	58.8
International Internet bandwidth (bit/s per Internet user)	696a	12,360	a 6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)		14.4	5.1
Mobile-cellular sub-basket (\$ a month)		10.1	11.3
F		00.4	04.0

Fixed-broadband sub-basket (\$ a month)

ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)

ICT service exports (% of total service exports)

Online service index (0-1, 1=highest presence)

Secure Internet servers (per million people)

Trade

Applications

22.1

22.7

13.2

65.4

0.50

8.8

47.7

45.8

15.9

0.50

2.5

21.6

5.7

6.7

43.4

0.32 3.5

Poland

	Country	y data	High- income
•	2005	2011	group 2011
Economic and social context			
Population (millions)	38	39	1,135
Urban population (% of total)	61	61	80
GNI per capita, World Bank Atlas method (\$)	7,270	12,380	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.2	4.5	0.7
Adult literacy rate (% ages 15 and older)	99	100	98
Gross primary, secondary, tertiary school enrollment (%)	87	89	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	2.8	2.6
Telecommunications investment (% of revenue)	16.1	16.1	15.8
Sector performance			
Access	31.0	17.9	47.3
Fixed-telephone subscriptions (per 100 people)	76.4	131.0	114.1
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	2.48	14.68	27.30
Households with a computer (%)	40.0	71.3	77.3
Households with Internet access at home (%)	30.4	66.6	74.3
Usage	30.4	00.0	14.5
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	46.7	104.8	184.6
Individuals using the Internet (%)	38.8	64.9	75.8
Quality	00.0	0 1.0	10.0
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	35.2	100.0	95.0
International Internet bandwidth (bit/s per Internet user)	1,443a		70,726
Affordability		00.0	00.0
Fixed-telephone sub-basket (\$ a month)		20.6	23.8
Mobile-cellular sub-basket (\$ a month)		12.6	23.9
Fixed-broadband sub-basket (\$ a month) Trade		19.4	26.6
ICT goods exports (% of total goods exports)	4.0	7.0	9.6
ICT goods imports (% of total goods imports)	7.9	7.3	11.2
ICT service exports (% of total service exports)	19.6	33.7	30.6
Applications	10.0	55.1	55.0
Online service index (0-1, 1=highest presence)	0.61	0.54	0.67
Secure Internet servers (per million people)	22.0		1,067.1
(por minor poopro)		000.1	_,,

Portugal

	Country data		High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	11	11	1,135
Urban population (% of total)	58	61	80
GNI per capita, World Bank Atlas method (\$)	18,060	21,370	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.7	0.0	0.7
Adult literacy rate (% ages 15 and older)		95	98
Gross primary, secondary, tertiary school enrollment (%)	89	97	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	Р	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.8	4.2	2.6
Telecommunications investment (% of revenue)	9.9	12.4	15.8
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	40.2	42.4	47.3
Mobile-cellular telephone subscriptions (per 100 people)	108.6	115.4	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	11.05	20.95	
Households with a computer (%)	42.5	63.7	77.3
Households with Internet access at home (%)	31.5	58.0	74.3
Usage	31.3	30.0	14.5
Int'l. voice traffic, total (minutes/subscription/month)	15.7		
Domestic mobile traffic (minutes/subscription/month)	80.6	138.2	184.6
Individuals using the Internet (%)	35.0	55.3	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	81.1	98.9	95.0
International Internet bandwidth (bit/s per Internet user)	2,371a	135,332	70,726
Affordability		22.0	22.0
Fixed-telephone sub-basket (\$ a month)		23.6	23.8
Mobile-cellular sub-basket (\$ a month)		23.2	23.9
Fixed-broadband sub-basket (\$ a month) Trade		27.6	26.6
	7.8	3.8	9.6
ICT goods exports (% of total goods exports)	8.4	5.0	11.2
ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	16.1	18.6	30.6
Applications	10.1	10.0	30.0
Online service index (0-1, 1=highest presence)	0.65	0.65	0.67
Secure Internet servers (per million people)	57.4		1,067.1
ocours internet servers (per million people)	51.4	200.1	1,001.1

Puerto Rico

	Country data		High- income group
	2005	2011	2011
Economic and social context			
Population (millions)	4	4	1,135
Urban population (% of total)	98	99	80
GNI per capita, World Bank Atlas method (\$)	14,530	16,560	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.9	-1.9	0.7
Adult literacy rate (% ages 15 and older)	91	90	98
Gross primary, secondary, tertiary school enrollment (%)		83	94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			15.8
Sector performance			
Access	27.4ª	22.1	47.3
Fixed-telephone subscriptions (per 100 people)	52.7	83.0	114.1
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	3.13	14.90	27.30
Households with a computer (%)	3.13	55.0	77.3
Households with Internet access at home (%)		50.0	74.3
Usage		30.0	14.5
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			184.6
Individuals using the Internet (%)	23.4ª	48.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	62	68	100
Fixed (wired)-broadband subscriptions (% of total Internet)		98.2	95.0
International Internet bandwidth (bit/s per Internet user) Affordability	2,260a	135,429	70,726
Fixed-telephone sub-basket (\$ a month)			23.8
Mobile-cellular sub-basket (\$ a month)			23.9
Fixed-broadband sub-basket (\$ a month)			26.6
Trade			
ICT goods exports (% of total goods exports)			9.6
ICT goods imports (% of total goods imports)			11.2
ICT service exports (% of total service exports)			30.6
Applications			
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)	31.9	113.0	1,067.1

Qatar

	Counti	v data	High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	0.82	2	1,135
Urban population (% of total)	97	99	80
GNI per capita, World Bank Atlas method (\$)	62,050	80,440	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	8.7	16.5	0.7
Adult literacy rate (% ages 15 and older)	89	96	98
Gross primary, secondary, tertiary school enrollment (%)	78	62	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	Р	
Mobile telephone service	M	P	
Internet service	М	P	
Foreign ownership (not allowed, restricted, allowed)	A	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.8	1.1	2.6
Telecommunications investment (% of revenue)	26.3	14.6	15.8
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	25.0	16.4	47.3
Mobile-cellular telephone subscriptions (per 100 people)	87.3	123.1	
Fixed (wired)-broadband subscriptions (per 100 people)	3.12	8.67	
Households with a computer (%)	5.12	88.3	
Households with Internet access at home (%)		83.6	
Usage	•	00.0	1 1.0
Int'l. voice traffic, total (minutes/subscription/month)	79.1		
Domestic mobile traffic (minutes/subscription/month)			184.6
Individuals using the Internet (%)	24.7	86.2	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	48.2	96.9	95.0
International Internet bandwidth (bit/s per Internet user)	3,817	22,333	70,726
Affordability Fixed-telephone sub-basket (\$ a month)		9.1	23.8
Mobile-cellular sub-basket (\$ a month)		18.7	
Fixed-broadband sub-basket (\$ a month)		54.9	
Trade		54.9	20.0
ICT goods exports (% of total goods exports)	0.0	0.0	9.6
ICT goods imports (% of total goods imports)	4.8	4.3	
ICT service exports (% of total service exports)	4.0	4.5	30.6
Applications			30.0
Online service index (0-1, 1=highest presence)	0.53	0.74	0.67
Secure Internet servers (per million people)	20.7		1.067.1
onot oor toto (porion poopio)	_0.1	110.1	2,001.1

Romania

Europe & Central Asia U	pper n	per middle inco	
			Upper middle-
	Counti	y data	income group
	2005	2011	2011
Economic and social context			
Population (millions)	22	21	,
Urban population (% of total)	53	53	
GNI per capita, World Bank Atlas method (\$)	3,920	8,140	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	5.8	2.0	6.3
Adult literacy rate (% ages 15 and older)	97	98	-
Gross primary, secondary, tertiary school enrollment (%)	77	84	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	20.1 61.3 1.73 24.7 ^a		20.9 92.4 9.96 35.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	20.1 61.3 1.73	21.8 109.2 15.21 51.2	20.9 92.4 9.96 35.9
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	20.1 61.3 1.73 24.7 ^a	21.8 109.2 15.21 51.2	20.9 92.4 9.96 35.9 25.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	20.1 61.3 1.73 24.7 ^a 9.8 ^a	21.8 109.2 15.21 51.2 47.4	20.9 92.4 9.96 35.9 25.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	20.1 61.3 1.73 24.7 ^a 9.8 ^a	21.8 109.2 15.21 51.2 47.4 10.1 205.2	20.9 92.4 9.96 35.9 25.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	20.1 61.3 1.73 24.7 ^a 9.8 ^a 10.2 57.2	21.8 109.2 15.21 51.2 47.4 10.1 205.2	20.9 92.4 9.96 35.9 25.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	20.1 61.3 1.73 24.7 ^a 9.8 ^a 10.2 57.2 21.5 ^a	21.8 109.2 15.21 51.2 47.4 10.1 205.2 44.0	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	20.1 61.3 1.73 24.7 ^a 9.8 ^a 10.2 57.2 21.5 ^a	21.8 109.2 15.21 51.2 47.4 10.1 205.2 44.0 100.0	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	20.1 61.3 1.73 24.7 ^a 9.8 ^a 10.2 57.2 21.5 ^a	21.8 109.2 15.21 51.2 47.4 10.1 205.2 44.0	20.9 92.4 9.96 35.5 25.5 2.6 144.6 38.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	20.1 61.3 1.73 24.7 ^a 9.8 ^a 10.2 57.2 21.5 ^a 99	21.8 109.2 15.21 51.2 47.4 10.1 205.2 44.0 100.0	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	20.1 61.3 1.73 24.7 ^a 9.8 ^a 10.2 57.2 21.5 ^a 99 47.7 2,879	21.8 109.2 15.21 51.2 47.4 10.1 205.2 44.0 100 100.0 126,108	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Wage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	20.1 61.3 1.73 24.7 ^a 9.8 ^a 10.2 57.2 21.5 ^a 99 47.7 2,879	21.8 109.2 15.21 51.2 47.4 10.1 205.2 44.0 100 100.0 126,108	20.9 92.4 9.96 35.5 25.5 2.6 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	20.1 61.3 1.73 24.7 ^a 9.8 ^a 10.2 57.2 21.5 ^a 99 47.7 2,879	21.8 109.2 15.21 51.2 47.4 10.1 205.2 44.0 100.0 126,108 12.5 22.2	20.9 92.4 9.96 35.5 25.5 2.6 144.6 38.2 98 84.6 13,200
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	20.1 61.3 1.73 24.7 ^a 9.8 ^a 10.2 57.2 21.5 ^a 99 47.7 2,879	21.8 109.2 15.21 51.2 47.4 10.1 205.2 44.0 100.0 126,108 12.5 22.2	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	20.1 61.3 1.73 24.7 ^a 9.8 ^a 10.2 57.2 21.5 ^a 99 47.7 2,879	21.8 109.2 15.21 51.2 47.4 10.1 205.2 44.0 100.0 126,108 12.5 22.2 9.1	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	20.1 61.3 1.73 24.7 ^a 9.8 ^a 10.2 57.2 21.5 ^a 99 47.7 2,879	21.8 109.2 15.21 51.2 47.4 10.1 205.2 44.0 100.0 126,108 12.5 22.2 9.1	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	20.1 61.3 1.73 24.7 ^a 9.8 ^a 10.2 57.2 21.5 ^a 99 47.7 2,879	21.8 109.2 15.21 51.2 47.4 10.1 205.2 44.0 100.0 126,108 12.5 22.2 9.1 7.8	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	20.1 61.3 1.73 24.7 ^a 9.8 ^a 10.2 57.2 21.5 ^a 99 47.7 2,879	21.8 109.2 15.21 51.2 47.4 10.1 205.2 44.0 100.0 126,108 12.5 22.2 9.1 7.8	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2 13.9 13.5 28.3

Russian Federation

Europe & Central Asia U	pper m	iddle i	ncome
			Upper middle- income
	Countr		group
	2005	2011	2011
Economic and social context			
Population (millions)	143	143	, -
Urban population (% of total)	73	74	
GNI per capita, World Bank Atlas method (\$)	4,460	10,650	,
GDP growth, 2000–05 and 2005–11 (avg. annual %)	6.2	2.9	
Adult literacy rate (% ages 15 and older)	99	100	
Gross primary, secondary, tertiary school enrollment (%)	82	85	75
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	2.4	
Telecommunications investment (% of revenue)	32.1	19.8	17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	27.9	30.9	20.9
Mobile-cellular telephone subscriptions (per 100 people)	83.4	179.3	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.10	13.14	9.90
Households with a computer (%)	35.0	57.1	a 35.9
Households with Internet access at home (%)	25.0	46.0	a 25.
Usage Int'l. voice traffic, total (minutes/subscription/month)			2.0
Domestic mobile traffic (minutes/subscription/month)		89.3	
Individuals using the Internet (%)	15.2	49.0	
Quality			
Population covered by a mobile-cellular network (%)	95		98
Fixed (wired)-broadband subscriptions (% of total Internet)	8.3	96.6	
International Internet bandwidth (bit/s per Internet user)	656a	31,711	
Affordability		,	,
Fixed-telephone sub-basket (\$ a month)		7.0	10.0
Mobile-cellular sub-basket (\$ a month)		9.2	
Fixed-broadband sub-basket (\$ a month)		9.9	
Trade			
ICT goods exports (% of total goods exports)	0.2	0.3	13.9
ICT goods imports (% of total goods imports)	7.8	7.7	
ICT service exports (% of total service exports)	22.1	32.3	
Applications		02.0	20.0
Online service index (0-1, 1=highest presence)	0.51	0.66	0.40
Secure Internet servers (per million people)	2.4	38.6	
coodio intomotoro (por militori poopio)	2.7	55.0	10.0

Rwanda

Sub-Saharan Africa Low income

	Country	y data	Low- income
•	2005	2011	group 2011
Economic and social context			
Population (millions)	9	11	817
Urban population (% of total)	18	19	28
GNI per capita, World Bank Atlas method (\$)	270	570	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	7.5	8.2	5.8
Adult literacy rate (% ages 15 and older)	65	71	63
Gross primary, secondary, tertiary school enrollment (%)	56	70	58
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		P	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)		Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7	2.6	
Telecommunications investment (% of revenue)	22.7	28.4	
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	0.3a	0.4	
Mobile-cellular telephone subscriptions (per 100 people)	2.4	40.6	
Fixed (wired)-broadband subscriptions (per 100 people)	0.01	0.03	
Households with a computer (%)		1.3	2
Households with Internet access at home (%)		3.2	
Usage	10.0	2.5	
Int'l. voice traffic, total (minutes/subscription/month)	12.8		
Domestic mobile traffic (minutes/subscription/month)	11.8	79.4	
Individuals using the Internet (%) Quality	0.6a	7.0	6.0
Population covered by a mobile-cellular network (%)	75	97	
Fixed (wired)-broadband subscriptions (% of total Internet)	40.0	21.8	24.5
International Internet bandwidth (bit/s per Internet user)	1,055	4,414	2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)		9.0	9.6
Mobile-cellular sub-basket (\$ a month)		14.7	11.9
Fixed-broadband sub-basket (\$ a month)		111.7	42.8
Trade			
ICT goods exports (% of total goods exports)	1.2	0.5	
ICT goods imports (% of total goods imports)	8.4	7.0	
ICT service exports (% of total service exports)	2.5	3.2	18.6
Applications			
Online service index (0-1, 1=highest presence)	0.29	0.34	0.20
Secure Internet servers (per million people)		2.0	0.8

Samoa

East Asia & Pacific L			
	0		Lower middle- income
	Country		group
Francisco and control control	2005	2011	2011
Economic and social context	0.10	0.10	0.500
Population (millions) Urban population (% of total)	0.18 21	0.18 20	,
GNI per capita, <i>World Bank Atla</i> s method (\$)	2,090	3,160	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	4.9	0.6	,
Adult literacy rate (% ages 15 and older)	99	99	71
Gross primary, secondary, tertiary school enrollment (%)	78		63
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	C	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	A	
Sector efficiency and capacity			
			2.5
Felecommunications revenue (% of GDP)	5.0		
Telecommunications revenue (% of GDP) Felecommunications investment (% of revenue)			29.0
• • •			
Felecommunications investment (% of revenue)			
Felecommunications investment (% of revenue) Sector performance			29.0
Felecommunications investment (% of revenue) Sector performance Access			29.0
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	10.8	19.3	29.0 29.0 3 5.6 80.1
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	10.8	19.3 91.4	29.0 3 5.6 3 80.1 1.25
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	10.8 13.3 0.04 ^a	19.3 91.4 0.11	29.0 3 5.6 3 80.1 1.25
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	10.8 13.3 0.04 ^a	19.3 91.4 0.11	29.0 3 5.6 3 80.1 1.25 10.7
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	10.8 13.3 0.04 ^a	19.3 91.4 0.11	29.0 3 5.6 3 80.1 1.25 10.7
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	10.8 13.3 0.04 ^a 	19.3 91.4 0.11 	29.0 3 5.6 3 80.1 1.25 10.7 7.7 6.5
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	10.8 13.3 0.04 ^a	19.3 91.4 0.11	29.0 3 5.6 3 80.1 1.25 10.7 7.7 6.5
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	10.8 13.3 0.04 ^a 	19.3 91.4 0.11 	29.0 3 5.6 3 80.1 1.25 10.7 7.7 6.5 16.2
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	10.8 13.3 0.04 ^a 	19.3 91.4 0.11 7.0	29.0 a 5.6 a 80.1 1.25 10.7 7.7 6.5 a 16.2
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	10.8 13.3 0.04 ^a 3.4	19.3 91.4 0.11: 7.0	29.0 3 5.6 3 80.1 3 1.25 10.7 7.7 6.5 3 16.2
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	10.8 13.3 0.04 ^a 	19.3 91.4 0.11 7.0	29.0 3 5.6 3 80.1 3 1.25 10.7 7.7 6.5 3 16.2
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) international Internet bandwidth (bit/s per Internet user)	10.8 13.3 0.04 ^a 3.4	19.3 91.4 0.11: 7.0	29.0 3 5.6 3 80.1 3 1.25 10.7 7.7 6.5 3 16.2 86 58.8 6,560
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	10.8 13.3 0.04 ^a 3.4 	19.3 91.4 0.11: 7.0 3,901:	29.0 3 5.6 3 80.1 3 1.25 10.7 7.7 6.5 3 16.2 866 58.8 6,560 5.1
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	10.8 13.3 0.04 ^a 3.4 1,489	19.3 91.4 0.11: 7.0 3,901:	29.0 3 5.66 3 80.1 1.25 10.7 7.7 6.5 3 16.2 86 58.8 6,560 5.1 11.3
Fixed telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	10.8 13.3 0.04 ^a 3.4 1,489	19.3 91.4 0.11: 7.0 3,901: 12.0 17.6	29.0 3 5.66 3 80.1 1.25 10.7 7.7 6.5 3 16.2 86 58.8 6,560 5.1 11.3
Felecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) ndividuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	10.8 13.3 0.04 ^a 3.4 1,489	19.3 91.4 0.11: 7.0 3,901: 12.0 17.6	29.0 3 5.6 80.1 1.25 10.7 7.7 6.5 86 86,560 5.1 11.3 21.6
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	10.8 13.3 0.04 ^a 3.4 1,489	19.3 91.4 0.11 7.0 3,901 12.0 17.6 60.8	29.0 3 5.6 3 80.1 1.25 10.7 7.7 6.5 3 16.2 86 58.8 6,560 5.1 11.3 21.6
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade CT goods exports (% of total goods exports)		19.3 91.4 0.11 7.0 3,901 12.0 17.6 60.8	29.0 3 5.6 3 80.1 3 1.25 10.7 7.7 6.5 3 16.2 86 58.8 3 6,560 5.1 11.3 21.6 5.7 6.7
Gelecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) international Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade CT goods exports (% of total goods exports) CT goods imports (% of total goods imports)	10.8 13.3 0.04 ^a 3.4 1,489 	19.3 91.4 0.11 7.0 3,901 12.0 17.6 60.8 0.6 2.8	29.0 3 5.6 3 80.1 3 1.25 10.7 7.7 6.5 3 16.2 86 58.8 3 6,560 5.1 11.3 21.6 5.7 6.7
Relecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade CT goods exports (% of total goods exports) CT geods imports (% of total service exports)	10.8 13.3 0.04 ^a 3.4 1,489 	19.3 91.4 0.11 7.0 3,901 12.0 17.6 60.8 0.6 2.8	29.0 3 5.6 3 80.1 3 1.25 10.7 7.7 6.5 3 16.2 86 58.8 6,560 5.1 11.3 21.6 5.7 6.7 43.4

San Marino

	Count	ry data	High- income group
•	2005	2011	2011
Economic and social context			
Population (millions)	0.03	0.03	1,135
Urban population (% of total)	94	94	80
GNI per capita, World Bank Atlas method (\$)	40,370	50,400	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.2	3.1	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)		86	94
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	0.4		2.6
Telecommunications investment (% of revenue)	50.0		15.8
Sector performance			
Access	00.0	50.0	47.0
Fixed-telephone subscriptions (per 100 people)	68.8	58.9	47.3
Mobile-cellular telephone subscriptions (per 100 people)	56.6 4.03	111.8 20.60	114.1 27.30
Fixed (wired)-broadband subscriptions (per 100 people)			77.3
Households with a computer (%) Households with Internet access at home (%)			74.3
Usage			14.3
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			184.6
Individuals using the Internet (%)	50.3	49.6	75.8
Quality	30.3	45.0	10.0
Population covered by a mobile-cellular network (%)		98	100
Fixed (wired)-broadband subscriptions (% of total Internet)	22.2	75.4	95.0
International Internet bandwidth (bit/s per Internet user)	10,178		
Affordability		05.0	00.0
Fixed-telephone sub-basket (\$ a month)		25.6	23.8
Mobile-cellular sub-basket (\$ a month)		23.8	23.9
Fixed-broadband sub-basket (\$ a month) Trade	••	22.2	26.6
			9.6
ICT goods exports (% of total goods exports)			11.2
ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)			30.6
Applications			30.0
Online service index (0-1, 1=highest presence)	0.00	0.29	0.67
Secure Internet servers (per million people)	363.0		1,067.1
Sasaracomer der vore (ber umunnt beebie)	555.0	1,141.1	1,001.1

São Tomé and Principe

Lower m	niddle i	ncome
		Lower middle-
Countr	y data	income
2005	2011	group 2011
0.15	0.17	2,533
58	63	39
750	1,350	1,772
4.1	5.8	6.2
85	89	71
66	71	63
No	Yes	
Mixed	Mixed	
	M	
	M	1
d) No	No	
9.1	6.7	2.5
14.9	69.4	29.0
4.7a	4.7	5.6
7.8	68.3	80.1
0.00	0.42	1.25
		10.7
		7.7
33.2a	8.4	6.5
4.6	26.5	
13.8a	20.2	a 16.2
8	90	86
0.0	76.1	58.8
95	1,472	6,560
	•	
	8.3	5.1
	12.7	11.3
	221.3	
0.0	0.7	5.7
10.2		
0.32	0.12	0.32
12.1	03.0	5.5
	Countr 2005 0.15 58 750 4.1 85 66 No Mixed d) No 9.1 14.9 4.7a 7.8 0.00 33.2a 4.6 13.8a 8 0.0 95	0.15 0.17 58 63 750 1,350 4.1 5.8 85 89 66 71 No Yes Mixed Mixed M M M M d) No No 9.1 6.7 14.9 69.4 4.78 4.7 7.8 68.3 0.00 0.42 33.28 8.4 4.6 26.5 13.88 20.2 8 90 0.0 76.1 95 1,472 8.3 12.7 221.3 0.0 0.7 3.4 5.8 13.2 7.9 0.32 0.12

Saudi Arabia

	Country	v data	High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	24	28	1,135
Urban population (% of total)	81	82	80
GNI per capita, World Bank Atlas method (\$)	12,230	17,820	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.0	3.2	0.7
Adult literacy rate (% ages 15 and older)	83	87	98
Gross primary, secondary, tertiary school enrollment (%)	77	81	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	Р		
Mobile telephone service	Р	Ρ	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	No	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9	3.0	2.6
Telecommunications investment (% of revenue)	21.5	19.9	15.8
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	16.0	16.5	
Mobile-cellular telephone subscriptions (per 100 people)	58.9	191.2	
Fixed (wired)-broadband subscriptions (per 100 people)	0.28a	5.62	
Households with a computer (%)		57.3	
Households with Internet access at home (%)		54.4	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)		29.3	
Domestic mobile traffic (minutes/subscription/month)	15.6	102.0	184.6
Individuals using the Internet (%) Quality	12.7	47.5	75.8
Population covered by a mobile-cellular network (%)	96	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	5.4	84.3	
International Internet bandwidth (bit/s per Internet user)	393	33,031	70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)		13.2	23.8
Mobile-cellular sub-basket (\$ a month)		14.1	23.9
Fixed-broadband sub-basket (\$ a month)		26.6	26.6
Trade			
ICT goods exports (% of total goods exports)	0.1	0.1	9.6
ICT goods imports (% of total goods imports)	6.5	7.2	11.2
ICT service exports (% of total service exports)	41.5	2.9	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.49	0.80	0.67
Secure Internet servers (per million people)	3.2	29.9	1,067.1

Senegal

Sub-Saharan Africa	Lower m	iddle i	ncome
			Lower middle- income
	Countr	y data	group
	2005	2011	2011
Economic and social context			
Population (millions)	11	13	-,
Urban population (% of total)	41	43	
GNI per capita, World Bank Atlas method (\$)	800	1,070	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	4.6	3.4	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	42 43	50 50	
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)	1111100	matou	
International gateway(s)	С	Р	
Mobile telephone service	С	P	
Internet service	С	P	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowe	d) B	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	7.8	9.7	2.5
Telecommunications investment (% of revenue)	22.1	8.9	29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	2.5	2.7	5.6
Mobile-cellular telephone subscriptions (per 100 people)	15.9	73.3	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.17	0.73	1.25
Households with a computer (%)	3.7	5.7	a 10.7
Households with Internet access at home (%)	0.9	4.5	a 7.7
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	36.4	11.8	
Domestic mobile traffic (minutes/subscription/month)	42.6	69.7	
Individuals using the Internet (%)	4.8	17.5	16.2
Quality			
Population covered by a mobile-cellular network (%)	85	90	
Fixed (wired)-broadband subscriptions (% of total Internet)	86.8	100.0	
International Internet bandwidth (bit/s per Internet user)	1,489	2,909	6,560
Affordability		400	F 4
Fixed-telephone sub-basket (\$ a month)		10.3	
Mobile-cellular sub-basket (\$ a month)		13.7	
Fixed-broadband sub-basket (\$ a month) Trade		36.1	21.6
ICT goods exports (% of total goods exports)	0.4	0.4	5.7
ICT goods exports (% of total goods exports)	3.9	2.7	
ICT service exports (% of total service exports)	28.0	33.6	
Applications	20.0	55.0	40.4
Online service index (0-1, 1=highest presence)	0.25	0.35	0.32
Secure Internet servers (per million people)	0.23	2.2	
oceare internet servers (her million heahie)	0.3	2.2	3.3

Serbia

Europe & Central Asia L	phei III	per middle ir			per middle inco	
			Upper			
	Country		middle- income			
	2005	2011	group 2011			
Economic and social context						
Population (millions)	7	7	2,490			
Urban population (% of total)	54	56	61			
GNI per capita, World Bank Atlas method (\$)	3,430	5,690	6,563			
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.3	1.8	6.3			
Adult literacy rate (% ages 15 and older)	96	98	94			
Gross primary, secondary, tertiary school enrollment (%)	78	79	75			
Sector structure						
Separate telecommunications/ICT regulator	No	Yes				
Status of main fixed-line operator	Mixed	Mixed				
Level of competition (competition, partial comp., monopoly)						
International gateway(s)						
Mobile telephone service	С	С				
Internet service		С				
Foreign ownership (not allowed, restricted, allowed)		Α				
Reg. treatment of VoIP (banned, closed, no framework, allowed) B	Α				
Sector efficiency and capacity						
			2 -			
Telecommunications revenue (% of GDP)	4.7	4.7	2.7			
Telecommunications investment (% of revenue)	4.7 22.9	16.2	2.7 17.8			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	22.9	37.3	20.9			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	22.9 31.1 67.8	37.3 125.4	20.9 92.4			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	31.1 67.8 0.41	37.3 125.4 11.29	20.9 92.4 9.96			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	31.1 67.8 0.41 26.5	37.3 125.4 11.29 50.9	20.9 92.4 9.96 35.9			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	31.1 67.8 0.41	37.3 125.4 11.29	20.9 92.4 9.96 35.9			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	31.1 67.8 0.41 26.5	37.3 125.4 11.29 50.9	20.9 92.4 9.96 3 35.9 25.8			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	31.1 67.8 0.41 26.5 18.5	37.3 125.4 11.29 50.9 ³ 40.2 ⁵	20.9 92.4 9.96 3 35.9 25.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	31.1 67.8 0.41 26.5 18.5	37.3 125.4 11.29 50.9 ⁹ 40.2 ⁸	20.9 92.4 9.96 35.5 25.5 2.6			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	31.1 67.8 0.41 26.5 18.5	37.3 125.4 11.29 50.94 40.24 8.5 77.4	20.9 92.4 9.96 35.5 25.5 2.6			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	31.1 67.8 0.41 26.5 18.5	37.3 125.4 11.29 50.94 40.24 8.5 77.4	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	31.1 67.8 0.41 26.5 18.5 13.5 27.6 26.3 ^a	37.3 125.4 11.29 50.9 40.2 8.5 77.4 42.2	20.9 92.4 9.96 35.5 2.6 144.6 38.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	31.1 67.8 0.41 26.5 18.5 13.5 27.6 26.3°	37.3 125.4 11.29 50.9 ³ 40.2 ³ 8.5 77.4 42.2	20.9 92.4 9.96 9.96 35.5 25.5 2.6 144.6 38.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	31.1 67.8 0.41 26.5 18.5 27.6 26.3 ^a 96 4.4 805	37.3 125.4 11.29 50.9 40.2 8.5 77.4 42.2 87 94.3 76,761	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	31.1 67.8 0.41 26.5 18.5 27.6 26.3 ^a 96 4.4 805	37.3 125.4 11.29 50.9 40.2 8.5 77.4 42.2 87 94.3 76,761 6.6	20.9 92.4 9.96 3.55.5 2.6 144.6 38.2 98 84.6 13,200			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	31.1 67.8 0.41 26.5 18.5 27.6 26.3 ^a 96 4.4 805	37.3 125.4 11.29 50.9 40.2 8.5 77.4 42.2 87 94.3 76,761 6.6 9.8	20.9 92.4 9.96 3.5.5 25.5 2.6 144.6 38.2 98 84.6 13,200			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	31.1 67.8 0.41 26.5 18.5 27.6 26.3 ^a 96 4.4 805	37.3 125.4 11.29 50.9 40.2 8.5 77.4 42.2 87 94.3 76,761 6.6	20.9 92.4 9.96 3.5.5 25.5 2.6 144.6 38.2 98 84.6 13,200			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	31.1 67.8 0.41 26.5 18.5 13.5 27.6 26.3 ^a 96 4.4 805	37.3 125.4 11.29 50.9 40.2 8.5 77.4 42.2 87 94.3 76,761 6.6 9.8 19.8	20.9 92.4 92.4 9.96 35.5 25.5 2.6 144.6 38.2 13,200 10.0 16.0 18.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	31.1 67.8 0.41 26.5 18.5 13.5 27.6 26.3 ^a 96 4.4 805	37.3 125.4 11.29 50.9 40.2 8.5 77.4 42.2 87 94.3 76,761 6.6 9.8 19.8	17.8 20.9 92.4 9.96 35.5 25.5 2.6 144.6 38.2 13,200 10.0 16.0 18.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	31.1 67.8 0.41 26.5 18.5 27.6 26.3 ^a 96 4.4 805 	37.3 125.4 11.29 50.9 40.2 8.5 77.4 42.2 87 94.3 76,761 6.6 9.8 19.8	20.5 92.4 9.96 35.5 25.5 144.6 38.2 98 84.6 13,200 10.0 18.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	31.1 67.8 0.41 26.5 18.5 13.5 27.6 26.3 ^a 96 4.4 805	37.3 125.4 11.29 50.9 40.2 8.5 77.4 42.2 87 94.3 76,761 6.6 9.8 19.8	20.5 92.4 9.96 35.5 25.5 144.6 38.2 98 84.6 13,200 10.0 18.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	31.1 67.8 0.41 26.5 18.5 27.6 26.3 ^a 96 4.4 805 	37.3 125.4 11.29 50.9 40.2 8.5 77.4 42.2 87 94.3 76,761 6.6 9.8 19.8	20.9 92.4 9.9.6 3.5.5 26.144.6 38.2 98.84.6 13,200 10.0 16.0 18.2 13.5 13.5 13.5			

Seychelles

Sub-Saharan Africa	Jpper n	niddle i	ncome
			Upper middle- income
	Counti		group
	2005	2011	2011
Economic and social context	0.00	0.00	0.400
Population (millions)	0.08	0.09	,
Urban population (% of total)	52	11 270	
GNI per capita, <i>World Bank Atla</i> s method (\$) GDP growth, 2000–05 and 2005–11 (avg. annual %)	10,540 -1.0	11,270 3.8	
Adult literacy rate (% ages 15 and older)	92	92	
Gross primary, secondary, tertiary school enrollment (%)	85	77	75
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service	P	P	
Internet service	Р	С	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed	I) A	A	
Sector efficiency and capacity	0.4	2.0	0.7
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	6.4 24.9	3.8	2.7 17.8
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	25.6	32.1	20.9
Mobile-cellular telephone subscriptions (per 100 people)	70.4	145.7	92.4
Fixed (wired)-broadband subscriptions (per 100 people)	1.14	10.36	9.96
Households with a computer (%)	20.0	45.0	35.9
Households with Internet access at home (%) Usage	10.0	34.0	25.5
Int'l. voice traffic, total (minutes/subscription/month)	9.3	7.8	2.6
Domestic mobile traffic (minutes/subscription/month)			144.6
Individuals using the Internet (%)	25.4	43.2	38.2
Quality			
Population covered by a mobile-cellular network (%)	98	98	98
Fixed (wired)-broadband subscriptions (% of total Internet)	24.5	85.2	84.6
International Internet bandwidth (bit/s per Internet user)	1,107	5,867	13,200
Affordability			
Fixed-telephone sub-basket (\$ a month)		9.4	10.0
Mobile-cellular sub-basket (\$ a month)		17.4	
Fixed-broadband sub-basket (\$ a month)		41.8	18.2
Trade	0.0	0.0	13.9
ICT goods exports (% of total goods exports)	1.5	2.1	
ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	4.9	24.0	
Applications	4.3	24.0	20.3
Online service index (0-1, 1=highest presence)	0.49	0.33	0.46
Secure Internet servers (per million people)	482.5	1,170.1	19.9
	.52.0	2,210.1	10.0

Sierra Leone

Sub-Saharan Africa Low income

	Country	y data	Low- income group
	2005	2011	2011
Economic and social context			
Population (millions)	5	6	
Urban population (% of total)	37	39	
GNI per capita, World Bank Atlas method (\$)	310	460	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	9.0	5.3	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	35 	42	
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		P	•
Mobile telephone service	С	P	•
Internet service	Р	P	•
Foreign ownership (not allowed, restricted, allowed)		-	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			
- Telecommunications investment (% of revenue)		•	• •
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	0.5a	0.2	1.1
Mobile-cellular telephone subscriptions (per 100 people)	14.2a	35.6	a 41.7
Fixed (wired)-broadband subscriptions (per 100 people)	0.00		0.12
Households with a computer (%)	0.8		
Households with Internet access at home (%)			
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			. 86.3
Individuals using the Internet (%) Quality	0.2	0.3	^a 6.0
Population covered by a mobile-cellular network (%)	70		
Fixed (wired)-broadband subscriptions (% of total Internet)			. 24.5
International Internet bandwidth (bit/s per Internet user) Affordability			. 2,941
Fixed-telephone sub-basket (\$ a month)			. 9.6
Mobile-cellular sub-basket (\$ a month)			. 11.9
Fixed-broadband sub-basket (\$ a month)			. 42.8
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)	0.2	49.8	18.6
Applications Online service index (0-1, 1=highest presence)	0.15	0.17	0.20
Secure Internet servers (per million people)	0.15	0.17	
Secure internet servers (per million people)	0.7	0.0	0.0

Singapore

	Count	Country data	
	2005	2011	group 2011
Economic and social context			
Population (millions)	4	5	1,135
Urban population (% of total)	100	100	80
GNI per capita, World Bank Atlas method (\$)	27,240	42,930	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.1	5.7	0.7
Adult literacy rate (% ages 15 and older)	93	96	98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	С	C	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.5	2.7	2.6
Telecommunications investment (% of revenue)	12.6		45.0
Sector performance Access Fixed-telephone subscriptions (per 100 people)	43.2	38.9	47.3
Mobile-cellular telephone subscriptions (per 100 people)	102.8	150.2	
Fixed (wired)-broadband subscriptions (per 100 people)	15.38	25.63	
Households with a computer (%)	74.0a		
Households with Internet access at home (%)	66.0	84.8	
Usage	00.0	0	
Int'l. voice traffic, total (minutes/subscription/month)	75.2	91.1	
Domestic mobile traffic (minutes/subscription/month)		01.1	4040
Individuals using the Internet (%)	61.0	71.0	
Quality	01.0	11.0	10.0
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	29.1	95.9	95.0
International Internet bandwidth (bit/s per Internet user)	32,621	343,728	70,726
Affordability	,-	/	-,
Fixed-telephone sub-basket (\$ a month)		8.2	23.8
Mobile-cellular sub-basket (\$ a month)		8.1	23.9
Fixed-broadband sub-basket (\$ a month)		26.2	
Trade			
ICT goods exports (% of total goods exports)	45.5	28.9	9.6
ICT goods imports (% of total goods imports)	37.9	23.5	
ICT service exports (% of total service exports)	22.3	22.9	
Applications	22.0	22.0	00.0
Online service index (0–1, 1=highest presence)	0.70	1.00	0.67
Secure Internet servers (per million people)	275.4		1,067.1
poop.o,	2.0.1	001.0	_,001

Sint Maarten (Dutch part)

High income

	Country	data	group
Economic and social context			
Population (millions)	0.04	0.04	,
Urban population (% of total)			. 80
GNI per capita, World Bank Atlas method (\$)			,
GDP growth, 2000-05 and 2005-11 (avg. annual %)			
Adult literacy rate (% ages 15 and older)			
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)			
Mobile-cellular telephone subscriptions (per 100 people)			
Fixed (wired)-broadband subscriptions (per 100 people)			
Households with a computer (%)			
Households with Internet access at home (%)			74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%) Quality			75.8
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			95.0
International Internet bandwidth (bit/s per Internet user)			70,726
Affordability			
Fixed-telephone sub-basket (\$ a month)			23.8
Mobile-cellular sub-basket (\$ a month)			23.9
Fixed-broadband sub-basket (\$ a month)			26.6
Trade			
ICT goods exports (% of total goods exports)			9.6
ICT goods imports (% of total goods imports)			11.2
ICT service exports (% of total service exports)			30.6
Applications			
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)			1,067.1

Slovak Republic

	Counti	v data	High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	5	5	1,135
Urban population (% of total)	56	55	80
GNI per capita, World Bank Atlas method (\$)	11,040	16,190	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.9	3.9	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	76	80	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	P	
Mobile telephone service	С	P	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.0	2.8	2.6
Telecommunications investment (% of revenue)	22.6	19.2	15.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	22.1	19.3	
Mobile-cellular telephone subscriptions (per 100 people)	83.8	109.3	
Fixed (wired)-broadband subscriptions (per 100 people)	3.35	13.65	
Households with a computer (%)	47.0	75.4	
Households with Internet access at home (%)	23.0	70.8	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	12.4	11.2	
Domestic mobile traffic (minutes/subscription/month)	86.4	113.8	
Individuals using the Internet (%)	55.2	74.4	75.8
Quality			
Population covered by a mobile-cellular network (%)	100	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	61.7	95.8	
International Internet bandwidth (bit/s per Internet user) Affordability	4,751	12,276	70,726
Fixed-telephone sub-basket (\$ a month)		17.9	23.8
Mobile-cellular sub-basket (\$ a month)		38.5	23.9
Fixed-broadband sub-basket (\$ a month)		26.1	26.6
Trade			
ICT goods exports (% of total goods exports)	9.4	16.1	9.6
ICT goods imports (% of total goods imports)	8.3	11.5	11.2
ICT service exports (% of total service exports)	24.2	25.2	
Applications			
Online service index (0-1, 1=highest presence)	0.59	0.50	0.67
Secure Internet servers (per million people)	18.4		1,067.1
(Far manner bookie)	_0.1		_,

Slovenia

	Country	y data	High- income group
•	2005	2011	2011
Economic and social context			
Population (millions)	2	2	1,135
Urban population (% of total)	50	50	80
GNI per capita, World Bank Atlas method (\$)	18,070	23,600	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.6	1.0	0.7
Adult literacy rate (% ages 15 and older)	100	100	98
Gross primary, secondary, tertiary school enrollment (%)	91	95	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.3	2.5	2.6
Telecommunications investment (% of revenue)	23.8	13.6	15.8
Sector performance			
Access	50.9	42.9	47.3
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	87.9	106.6	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	9.82	24.34	27.30
Households with a computer (%)	61.0	74.4	77.3
Households with Internet access at home (%)	48.2	72.6	74.3
Usage	70.2	12.0	14.5
Int'l. voice traffic, total (minutes/subscription/month)	11.6	10.6	
Domestic mobile traffic (minutes/subscription/month)	109.4	138.6	184.6
Individuals using the Internet (%)	46.8	72.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	49.4	99.2	95.0
International Internet bandwidth (bit/s per Internet user)	2,678a		70,726
Affordability		477	00.0
Fixed-telephone sub-basket (\$ a month)		17.7	23.8
Mobile-cellular sub-basket (\$ a month)		23.9	23.9
Fixed-broadband sub-basket (\$ a month) Trade		34.2	26.6
	1.3	1.9	9.6
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)	4.3	4.0	11.2
ICT service exports (% of total service exports)	20.4	22.3	30.6
Applications Online convice index (0. 1. 1-highest presence)	0.67	0.67	0.67
Online service index (0-1, 1=highest presence) Secure Internet servers (per million people)	79.0		1,067.1
Secure internet servers (her million heahie)	19.0	507.1	1,007.1

Solomon Islands

East Asia & Pacific	Lower m	niddle i	ncome
	Countr	v data	Lower middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	0.47	0.55	2,533
Urban population (% of total)	18	20	,
GNI per capita, World Bank Atlas method (\$)	890	1,110	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.6	6.1	6.2
Adult literacy rate (% ages 15 and older)			. 71
Gross primary, secondary, tertiary school enrollment (%)	51		63
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allower	d) B	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.7		2.5
Telecommunications investment (% of revenue)			29.0
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.6	1.5	5.6
Mobile-cellular telephone subscriptions (per 100 people)	1.3	49.8	80.1
Fixed (wired)-broadband subscriptions (per 100 people)	0.10	0.44	1.25
Households with a computer (%)			10.7
Households with Internet access at home (%)			7.7
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			6.5
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%)	0.8	6.0	a 16.2
Quality			
Population covered by a mobile-cellular network (%)			
Fixed (wired)-broadband subscriptions (% of total Internet)	23.7		58.8
International Internet bandwidth (bit/s per Internet user)	2,042	3,893	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)			
Mobile-cellular sub-basket (\$ a month)			
Fixed-broadband sub-basket (\$ a month) Trade			21.6
ICT goods exports (% of total goods exports)		0.1	5.7
ICT goods imports (% of total goods imports)		3.5	
ICT service exports (% of total service exports)	57.5	4.3	
Applications	51.5	4.5	73.5
Online service index (0-1, 1=highest presence)	0.27	0.13	0.32
Secure Internet servers (per million people)	4.3	8.8	
ocoure internet servers (her million heathe)	4.3	0.0	3.0

Somalia

Sub-Saharan Africa Low income

	Countr	y data	Low- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	8	10	817
Urban population (% of total)	35	38	28
GNI per capita, World Bank Atlas method (\$)			571
GDP growth, 2000-05 and 2005-11 (avg. annual %)			5.8
Adult literacy rate (% ages 15 and older)			63
Gross primary, secondary, tertiary school enrollment (%)			58
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			
Telecommunications investment (% of revenue)			
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	1.2a	1.1	a 1.1
Mobile-cellular telephone subscriptions (per 100 people)	6.0	6.9	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.00	0.12
Households with a computer (%)			
Households with Internet access at home (%)			
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			
Individuals using the Internet (%) Quality	1.1 ^a	1.3	a 6.0
Population covered by a mobile-cellular network (%)			
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0		045
International Internet bandwidth (bit/s per Internet user)	33		2,941
Affordability			
Fixed-telephone sub-basket (\$ a month)			9.6
Mobile-cellular sub-basket (\$ a month)			11.9
Fixed-broadband sub-basket (\$ a month)			42.8
Trade			
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)			18.6
Applications			
Online service index (0-1, 1=highest presence)	0.00	0.18	
Secure Internet servers (per million people)	0.1	0.1	0.8

South Africa

Sub-Saharan Africa U	pper m	iddle iı	ncome
			Upper middle- income
	Country	y data	group
	2005	2011	2011
Economic and social context			
Population (millions)	47	51	2,490
Jrban population (% of total)	59	62	61
GNI per capita, World Bank Atlas method (\$)	4,850	6,960	6,563
GDP growth, 2000–05 and 2005–11 (avg. annual %)	3.8	2.9	6.3
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	89 		94 75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
_evel of competition (competition, partial comp., monopoly)			
International gateway(s)	Р	Р	
Mobile telephone service	Р	Р	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	А	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	6.3	4.7	2.7
Telecommunications investment (% of revenue)		10.7	17.8
or overlady	13.1	10.7	11.0
Sector performance	15.1	10.7	
Sector performance Access			
Sector performance Access ixed-telephone subscriptions (per 100 people)	9.9	8.2	20.9
Sector performance Access ixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	9.9 71.1	8.2ª 126.8ª	20.9 92.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	9.9 71.1 0.35	8.2° 126.8° 1.80°	20.9 92.4 9.96
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	9.9 71.1 0.35 13.0 ^a	8.2 ² 126.8 ² 1.80 ² 18.3 ²	20.9 92.4 9.96 35.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	9.9 71.1 0.35	8.2° 126.8° 1.80°	20.9 92.4 9.96 35.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	9.9 71.1 0.35 13.0 ^a 4.8	8.2 ² 126.8 ³ 1.80 ³ 18.3 ³ 9.8	20.9 92.4 9.96 35.9 25.5
Sector performance Access ixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month)	9.9 71.1 0.35 13.0 ^a 4.8	8.2° 126.8° 1.80° 18.3° 9.8	20.9 92.4 9.96 35.9 25.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage It. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	9.9 71.1 0.35 13.0 ^a 4.8	8.2° 126.8° 1.80° 18.3° 9.8	20.9 92.4 9.96 35.9 25.5 2.6 144.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	9.9 71.1 0.35 13.0 ^a 4.8	8.2° 126.8° 1.80° 18.3° 9.8	20.9 92.4 9.96 35.9 25.5 2.6 144.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) ndividuals using the Internet (%) Quality	9.9 71.1 0.35 13.0 ^a 4.8 	8.2 ² 126.8 ³ 1.80 ³ 9.8 21.0 ³	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	9.9 71.1 0.35 13.0 ^a 4.8 7.5	8.2 ² 126.8 ³ 1.80 ³ 9.8 21.0 ³	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Comestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	9.9 71.1 0.35 13.0 ^a 4.8 7.5	8.2° 126.8° 1.80° 18.3° 9.8 21.0°	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	9.9 71.1 0.35 13.0 ^a 4.8 7.5	8.2 ² 126.8 ³ 1.80 ³ 9.8 21.0 ³	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) midviduals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	9.9 71.1 0.35 13.0 ^a 4.8 7.5 96 1.7 246	8.2° 126.8° 1.80° 18.3° 9.8 21.0°	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) ndividuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	9.9 71.1 0.35 13.0 ^a 4.8 7.5	8.2 ² 126.8 ³ 1.80 ³ 9.8 21.0 ⁴ 	20.9 29.96 29.96 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) midviduals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	9.9 71.1 0.35 13.0 ^a 4.8 7.5 96 1.7 246	8.2 ⁶ 126.8 ⁸ 1.80 ⁹ 18.3 ⁸ 9.8 21.0 ⁸ 18,874 ⁸	20.9 92.4 99.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	9.9 71.1 0.35 13.0 ^a 4.8 7.5 96 1.7 246	8.2 ⁶ 126.8 ⁸ 1.80 ⁶ 18.3 ⁸ 9.8 21.0 ⁶ 18,874 ⁴ 23.2 22.3	20.9 92.4 99.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) ndividuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	9.9 71.1 0.35 13.0 ^a 4.8 7.5 96 1.7 246	8.2 ⁶ 126.8 ⁸ 1.80 ⁶ 18.3 ⁸ 9.8 21.0 ⁶ 18,874 ⁴ 23.2 22.3	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) ndividuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	9.9 71.1 0.35 13.0 ^a 4.8 7.5 96 1.7 246	8.2 ⁱ 126.8 ⁱ 1.80 ⁱ 18.3 ⁱ 9.8 21.0 ⁱ 18,874 ⁱ 23.2 22.3 27.4	20.9 92.4 9.96 9.55 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage nt'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) ndividuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Firade CT goods exports (% of total goods exports)	9.9 71.1 0.35 13.0 ^a 4.8 7.5 96 1.7 246	8.2° 126.8° 1.80° 18.3° 9.8 21.0° 18,874° 23.2 22.3 27.4 0.8	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage nt'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) ndividuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade CT goods exports (% of total goods exports) CT goods imports (% of total goods imports)	9.9 71.1 0.35 13.0a 4.8 7.5 96 1.7 246	8.2° 126.8° 1.80° 18.3° 9.8 21.0° 18,874° 23.2 22.3 27.4 0.8 8.4	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage nt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) ndividuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Firade CT goods exports (% of total goods exports) CT goods imports (% of total service exports)	9.9 71.1 0.35 13.0a 4.8 7.5 96 1.7 246	8.2° 126.8° 1.80° 18.3° 9.8 21.0° 18,874° 23.2 22.3 27.4 0.8 8.4	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2

South Sudan

Sub-Saharan Africa L	ower ii	iluule i	ncome
			Lower middle-
	Countr	y data	income
	2005	2011	group 2011
Economic and social context			
Population (millions)	8	10	2,533
Urban population (% of total)	17	18	39
GNI per capita, World Bank Atlas method (\$)			1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)		3.6	6.2
Adult literacy rate (% ages 15 and older)			7:
Gross primary, secondary, tertiary school enrollment (%)			63
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed		
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.5
Telecommunications investment (% of revenue)			
			29.0
Telecommunications investment (% of revenue) Sector performance Access			29.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)			29.0 5.6 80.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)			5.6 80.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)			5.6 80.1 1.25 10.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)		 	5.6 80.1 1.25 10.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage			5.6 80.1 1.25 10.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)			5.6 80.1 1.25 10.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)			5.6 80.1 1.25 10.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)			5.6 80.1 1.25 10.7 7.1 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality			5.6 80.1 1.25 10.7 7.1 6.5 86
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)			5.6 80.1 1.25 10.7 7.3 6.5 86 58.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)			5.6 80.1 1.25 10.7 7.3 6.5 86 58.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)			5.6 80.1 1.25 10.1 7.1 6.5 86 58.8 6,560
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability			29.0 5.6 80.1 1.25 10.7 7.1 6.5 86 58.8 6,560
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)			29.0 5.6 80.1 1.25 10.7 7.1 6.5 86 5.8 6,560 5.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)			29.0 5.6 80.1 1.25 10.7 7.1 6.5 86 5.8 6,560 5.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)			29.0 5.6 80.1 1.25 10.7 7.7 6.5 86 58.8 6,560 5.1 1.2 21.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade			29.0 5.6 80.1 1.2 10.7 7.1 6.8 58.8 6,560 5.1 11.3 21.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)			29.0 5.6 80.1 1.28 10.1 7.1 6.9 58.8 6,560 5.1 21.6 5.1 6.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)			29.0 5.6 80.11 1.25 10.7 7.7 6.5 6.5 6,560 5.11 1.3 21.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)			80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6 5.7 6.7

Spain

	Country	y data	High- income group
	2005	2011	2011
Economic and social context			
Population (millions)	43	46	1,135
Urban population (% of total)	77	77	80
GNI per capita, World Bank Atlas method (\$)	25,450	30,930	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.2	0.4	0.7
Adult literacy rate (% ages 15 and older)	98	98	98
Gross primary, secondary, tertiary school enrollment (%)	96	103	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.1	2.6	2.6
Telecommunications investment (% of revenue)	19.6	13.8	15.8
Sector performance			
Access	44.8	42.8	47.3
Fixed-telephone subscriptions (per 100 people)		113.2	114.1
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	98.4 11.60	23.78	27.30
Households with a computer (%)	55.0	71.5	77.3
Households with Internet access at home (%)	35.5	63.9	74.3
Usage	30.0	03.9	14.3
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	93.1	109.3	184.6
Individuals using the Internet (%)	47.9	67.6	75.8
Quality	41.3	01.0	13.0
Population covered by a mobile-cellular network (%)	99	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	80.8	99.5	95.0
International Internet bandwidth (bit/s per Internet user)	5,798a		70,726
Affordability	3,130	04,000	10,120
Fixed-telephone sub-basket (\$ a month)		31.1	23.8
Mobile-cellular sub-basket (\$ a month)		47.2	23.9
Fixed-broadband sub-basket (\$ a month)		30.9	26.6
Trade			
ICT goods exports (% of total goods exports)	3.7	1.5	9.6
ICT goods imports (% of total goods imports)	7.2	5.2	11.2
ICT service exports (% of total service exports)	23.3	29.8	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.72	0.76	0.67
Secure Internet servers (per million people)	81.7	295.9	1,067.1

Sri Lanka

	ower m	ilaale i	ncome
			Lower
	Countr	v data	middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	20	21	2,533
Urban population (% of total)	15	15	39
GNI per capita, World Bank Atlas method (\$)	1,210	2,580	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.3	6.4	6.2
Adult literacy rate (% ages 15 and older)	91	91	71
Gross primary, secondary, tertiary school enrollment (%)		77	63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		P	
Mobile telephone service	С	P	
Internet service	С	P	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	C	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.5		2.5
Telecommunications investment (% of revenue)	12.2		29.0
Sector performance Access Fixed-telephone subscriptions (per 100 people)	6.3	17.1	5.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	6.3 16.9	17.1 87.0	5.6 80.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	6.3 16.9 0.11 ^a	17.1 87.0 1.71	5.6 80.1 1.25
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	6.3 16.9 0.11 ^a 8.2	17.1 87.0 1.71 12.3	5.6 80.1 1.25 a 10.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	6.3 16.9 0.11 ^a	17.1 87.0 1.71	5.6 80.1 1.25 a 10.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	6.3 16.9 0.11 ^a 8.2 2.4	17.1 87.0 1.71 12.3	5.6 80.1 1.25 a 10.7 a 7.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	6.3 16.9 0.11 ^a 8.2 2.4 74.7	17.1 87.0 1.71 12.3 5.9	5.6 80.1 1.25 a 10.7 a 7.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	6.3 16.9 0.11 ^a 8.2 2.4	17.1 87.0 1.71 12.3 5.9	5.6 80.1 1.25 a 10.7 a 7.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	6.3 16.9 0.11 ^a 8.2 2.4 74.7 1.8 ^a	17.1 87.0 1.71 12.3 5.9 89.5 15.0	5.6 80.1 1.25 10.7 6.5 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	6.3 16.9 0.11 ^a 8.2 2.4 74.7 1.8 ^a	17.1 87.0 1.71 12.3 5.9 89.5 15.0	5.6 80.1 1.25 10.7.7 6.5 16.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	6.3 16.9 0.11 ^a 8.2 2.4 74.7 1.8 ^a 85	17.1 87.0 1.71 12.3 5.9 89.5 15.0	5.6 80.1 1.25 10.7 6.5 6.5 86 58.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	6.3 16.9 0.11 ^a 8.2 2.4 74.7 1.8 ^a	17.1 87.0 1.71 12.3 5.9 89.5 15.0	5.6 80.1 1.25 10.7 6.5 6.5 86 58.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	6.3 16.9 0.11 ^a 8.2 2.4 74.7 1.8 ^a 85	17.1 87.0 1.71 12.3 5.9 89.5 15.0	5.6 80.1 1.25 10.7 6.5 16.2 86 58.8 6,560
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	6.3 16.9 0.11 ^a 8.2 2.4 74.7 1.8 ^a 85 18.3 1,403	17.1 87.0 1.71 12.3 5.9 89.5 15.0 98 76.6 5,224	5.6 80.1 1.25 10.7 6.5 16.2 86 58.8 6,560
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	6.3 16.9 0.11 ^a 8.2 2.4 74.7 1.8 ^a 85 18.3 1,403	17.1 87.0 1.71 12.3 5.9 89.5 15.0 98 76.6 5,224	5.6 80.1 1.25 a 10.7 6.5 6.5 58.8 6,560 5.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	6.3 16.9 0.11 ^a 8.2 2.4 74.7 1.8 ^a 85 18.3 1,403	17.1 87.0 1.71 12.3 5.9 89.5 15.0 98 76.6 5,224	5.6 80.1 1.25 a 10.7 6.5 6.5 58.8 6,560 5.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	6.3 16.9 0.11 ^a 8.2 2.4 74.7 1.8 ^a 85 18.3 1,403	17.1 87.0 1.71 12.3 5.9 89.5 15.0 98 76.6 5,224	5.6 80.1 1.25 a 10.7 6.5 58.8 6,560 5.1 11.3
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	6.3 16.9 0.11 ^a 8.2 2.4 74.7 1.8 ^a 85 18.3 1,403	17.1 87.0 1.71 12.3 5.9 89.5 15.0 98 76.6 5,224 3.4	5.6 80.1 1.25 a 10.7 6.5 58.8 6,560 5.1 11.3 21.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	6.3 16.9 0.11a 8.2 2.4 74.7 1.8a 85 18.3 1,403	17.1 87.0 1.71 12.3 5.9 89.5 15.0 98 76.6 5,224 3.4 1.1 5.5	5.6 80.1 1.25 10.7 6.5 6.5 6.560 5.1 11.3 21.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	6.3 16.9 0.11 ^a 8.2 2.4 74.7 1.8 ^a 85 18.3 1,403 1.1 4.9	17.1 87.0 1.71 12.3 5.9 89.5 15.0 98 76.6 5,224 3.4 1.1 5.5	5.6 80.1 1.25 a 10.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	6.3 16.9 0.11 ^a 8.2 2.4 74.7 1.8 ^a 85 18.3 1,403 1.1 4.9	17.1 87.0 1.71 12.3 5.9 89.5 15.0 98 76.6 5,224 3.4 1.1 5.5	5.6 80.1 1.25 10.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6

St. Kitts and Nevis

	Countr	y data	High- income group
	2005	2011	2011
Economic and social context			
Population (millions)	0.05	0.05	1,135
Urban population (% of total)	32	32	80
GNI per capita, World Bank Atlas method (\$)	10,890	12,610	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	3.2	0.2	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)		75	94
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.4	6.9	2.6
Telecommunications investment (% of revenue)	25.3	7.9	15.8
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	41.3	37.8	47.3
Mobile-cellular telephone subscriptions (per 100 people)	103.7	152.7	114.1
Fixed (wired)-broadband subscriptions (per 100 people)	13.22	27.86	27.30
Households with a computer (%)	35.1a	27.00	77.3
Households with Internet access at home (%)			74.3
Usage			14.5
Int'l. voice traffic, total (minutes/subscription/month)	58.2	63.5	
Domestic mobile traffic (minutes/subscription/month)	102.1	32.3	184.6
Individuals using the Internet (%)	34.0a	76.0	
Quality	0 1.0	7 0.0	10.0
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			95.0
International Internet bandwidth (bit/s per Internet user)			70,726
Affordability		01,100	10,120
Fixed-telephone sub-basket (\$ a month)		12.6	23.8
Mobile-cellular sub-basket (\$ a month)		15.1	23.9
Fixed-broadband sub-basket (\$ a month)		36.7	26.6
Trade			
ICT goods exports (% of total goods exports)	2.4	22.5	9.6
ICT goods imports (% of total goods imports)	8.3	5.9	11.2
ICT service exports (% of total service exports)	14.0	14.0	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.48	0.18	0.67
Secure Internet servers (per million people)	1,016.8		1,067.1
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St. Lucia

	Count		Upper middle- income
	Country 2005	2011	group 2011
Economic and social context	2005	2011	2011
Population (millions)	0.16	0.18	2.490
Urban population (% of total)	23	18	61
GNI per capita, World Bank Atlas method (\$)	5,140	6,820	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.0	2.6	6.3
Adult literacy rate (% ages 15 and older)			94
Gross primary, secondary, tertiary school enrollment (%)	72	75	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	C	
Mobile telephone service	C	С	
Internet service	М	С	
Foreign ownership (not allowed, restricted, allowed)	Α	A	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	8.5 9.4	6.7 8.4	2.1 17.8
Sector performance			
Access	00.0	00.4	00.4
Access Fixed-telephone subscriptions (per 100 people)	23.6	20.4	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	63.9	123.0	92.4
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	63.9 4.24 ^a	123.0 12.12	92.4 9.90
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	63.9 4.24 ^a	123.0 12.12	92.4 9.90 35.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	63.9 4.24 ^a	123.0 12.12	92.4 9.96 35.9
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	63.9 4.24 ^a 	123.0 12.12 	92.4 9.90 35.9 25.5
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	63.9 4.24 ^a	123.0 12.12	92.4 9.96 35.9 25.8
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	63.9 4.24 ^a 	123.0 12.12 	92.4 9.90 35.9 25.9 2.0 144.0
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	63.9 4.24 ^a 53.5 64.7	123.0 12.12 28.7 80.4	92.4 9.96 35.9 25.5 2.6 144.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	63.9 4.24 ^a 53.5 64.7	123.0 12.12 28.7 80.4	92.4 9.90 35.9 25.9 2.0 144.0 38.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	63.9 4.24 ^a 53.5 64.7 21.6	123.0 12.12 28.7 80.4 42.0	92.4 9.90 35.5 25.5 2.4 144.0 38.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	63.9 4.24 ^a 53.5 64.7 21.6	123.0 12.12 28.7 80.4 42.0 ⁹ 100 98.5	92.4 9.90 35.5 25.5 2.144.0 38.2 98
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	63.9 4.24 ^a 53.5 64.7 21.6 80 91.2	123.0 12.12 28.7 80.4 42.0 ⁹ 100 98.5	92.4 9.96 35.5 25.5 2.6 144.6 38.2 98 84.6 13,200
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	63.9 4.24 ^a 53.5 64.7 21.6 80 91.2	123.0 12.12 28.7 80.4 42.0 100 98.5 81,149	92.4 9.99 35.5 25.8 2.0 144.0 38.2 98 84.0 13,200
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	63.9 4.24 ^a 53.5 64.7 21.6 80 91.2 	123.0 12.12 28.7 80.4 42.0 100 98.5 81,149	92.4 9.96 35.9 25.8 2.6 144.6 38.2 98 84.6 13,200
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	63.9 4.24ª 53.5 64.7 21.6 80 91.2 	123.0 12.12 28.7 80.4 42.0 100 98.5 81,149 11.6 21.2	92.4 9.96 35.9 25.8 2.6 144.6 38.2 98 84.6 13,200 10.6
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	63.9 4.24ª 53.5 64.7 21.6 80 91.2 	123.0 12.12 28.7 80.4 42.0 100 98.5 81,149 11.6 21.2	92.4 9.90 35.5 25.3 2.1 144.1 38.2 98 84.1 13,200 10.0 18.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	63.9 4.24ª 53.5 64.7 21.6 80 91.2 	123.0 12.12 28.7 80.4 42.0 100 98.5 81,149 11.6 21.2 29.3	92.4 9.90 35.5 25.3 2.1 144.1 38.2 98 84.1 13,200 16.0 18.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	63.9 4.24 ^a 53.5 64.7 21.6 80 91.2 	123.0 12.12 28.7 80.4 42.0 100 98.5 81,149 11.6 21.2 29.3	92.4 9.96 35.5 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	63.9 4.24a 53.5 64.7 21.6 80 91.2 4.8 5.5 5.9	123.0 12.12 28.7 80.4 42.0 98.5 81,149 11.6 21.2 29.3 4.2 3.9 8.6	92.4 9.96 35.5 25.5 2.144.4 144.6 138.2 10.0 10.0 16.6 18.2 28.3
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with liternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	63.9 4.24a 53.5 64.7 21.6 80 91.2 4.8 5.5	123.0 12.12 28.7 80.4 42.0 100 98.5 81,149 11.6 21.2 29.3 4.2 3.9	20.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9.9

St. Martin (French part)

	Countr	Country data		Country data	
-	2005	2011	group 2011		
Economic and social context					
Population (millions)	0.03	0.03	1,135		
Urban population (% of total)			80		
GNI per capita, World Bank Atlas method (\$)			39,860		
GDP growth, 2000-05 and 2005-11 (avg. annual %)			0.7		
Adult literacy rate (% ages 15 and older)			98		
Gross primary, secondary, tertiary school enrollment (%)			94		
Sector structure					
Separate telecommunications/ICT regulator					
Status of main fixed-line operator					
Level of competition (competition, partial comp., monopoly)					
International gateway(s)					
Mobile telephone service					
Internet service					
Foreign ownership (not allowed, restricted, allowed)					
Reg. treatment of VoIP (banned, closed, no framework, allowed)					
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)			2.6		
Telecommunications investment (% of revenue)			15.8		
Sector performance					
Access Fixed-telephone subscriptions (per 100 people)			47.3		
Mobile-cellular telephone subscriptions (per 100 people)			114.1		
Fixed (wired)-broadband subscriptions (per 100 people)			27.30		
Households with a computer (%)			77.3		
Households with Internet access at home (%)			74.3		
Usage					
Int'l. voice traffic, total (minutes/subscription/month)					
Domestic mobile traffic (minutes/subscription/month)			184.6		
Individuals using the Internet (%)			75.8		
Quality					
Population covered by a mobile-cellular network (%)					
Fixed (wired)-broadband subscriptions (% of total Internet)					
International Internet bandwidth (bit/s per Internet user) Affordability			70,726		
Fixed-telephone sub-basket (\$ a month)			23.8		
Mobile-cellular sub-basket (\$ a month)			23.9		
Fixed-broadband sub-basket (\$ a month)			26.6		
Trade					
ICT goods exports (% of total goods exports)			9.6		
ICT goods imports (% of total goods imports)			11.2		
CT service exports (% of total service exports)			30.6		
Applications					
Online service index (0–1, 1=highest presence)			0.67		
Secure Internet servers (per million people)		32.3	1,067.1		

St. Vincent and Grenadines

Latin America & Caribbean	Upper n	niddle i	ncome
	Count	ry data	Upper middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	0.11	0.11	2,490
Urban population (% of total)	47	49	61
GNI per capita, World Bank Atlas method (\$)	4,960	6,070	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.9	0.7	6.3
Adult literacy rate (% ages 15 and older)			94
Gross primary, secondary, tertiary school enrollment (%)	78		75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	С	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allow	ed) No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	9.3	7.9	2.7
Telecommunications investment (% of revenue)			17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	20.7	20.8	
Mobile-cellular telephone subscriptions (per 100 people)	64.9	120.5	
Fixed (wired)-broadband subscriptions (per 100 people)	3.35	12.89	
Households with a computer (%)	16.8a		
Households with Internet access at home (%) Usage	14.1 ^a	34.0	25.5
Int'l. voice traffic, total (minutes/subscription/month)	58.9	34.7	2.6
Domestic mobile traffic (minutes/subscription/month)	49.4	82.2	144.6
Individuals using the Internet (%)	9.2	43.0	38.2
Quality			
Population covered by a mobile-cellular network (%)	100	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	71.7	99.1	84.6
International Internet bandwidth (bit/s per Internet user) Affordability	1,719,237	637,784	13,200
Fixed-telephone sub-basket (\$ a month)		10.9	10.0
Mobile-cellular sub-basket (\$ a month)		16.8	
Fixed-broadband sub-basket (\$ a month)		33.6	
Trade		55.0	10.2
ICT goods exports (% of total goods exports)	1.4	0.7	13.9
ICT goods imports (% of total goods imports)	6.4	3.6	
ICT service exports (% of total service exports)	24.8	26.1	
Applications	2	23.1	20.0
Online service index (0-1, 1=highest presence)	0.43	0.31	0.46
Secure Internet servers (per million people)	101.1	173.7	
with the second of the s	101.1	110.1	10.0

Sudan

Sub-Saharan Africa L	ower m	iddle i	ncome
	Country		Lower middle- income
	Country 2005	2011	group 2011
Economic and social context	2003	2011	2011
Population (millions) ^b	31	34	2,533
Urban population (% of total) ^b	33	33	39
GNI per capita, <i>World Bank Atla</i> s method (\$) ^c	600	1,310	1,772
GDP growth, 2000–05 and 2005–11 (avg. annual %)°	6.0	7.2	6.2
Adult literacy rate (% ages 15 and older)	61	71	71
Gross primary, secondary, tertiary school enrollment (%)	35		63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	Р	
Mobile telephone service	Р	Р	
Internet service	Р	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	С	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.9	3.1	2.5
Telecommunications investment (% of revenue)	384.0	348.1	29.0
Sector performance Access			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	1.5	1.1	5.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	1.5 4.8ª	1.1 56.1	5.6 80.1
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	1.5	1.1	5.6 80.1 1.25
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	1.5 4.8ª	1.1 56.1	5.6 80.1 1.25 10.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	1.5 4.8 ^a 0.00	1.1 56.1 0.04	5.6 80.1 1.25 10.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	1.5 4.8 ^a 0.00 	1.1 56.1 0.04 	5.6 80.1 1.25 10.7 7.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	1.5 4.8 ^a 0.00 	1.1 56.1 0.04 	5.6 80.1 1.25 10.7 7.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	1.5 4.8 ^a 0.00 5.6 81.1	1.1 56.1 0.04 5.6 120.9	5.6 80.1 1.25 10.7 7.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	1.5 4.8 ^a 0.00 	1.1 56.1 0.04 	5.6 80.1 1.25 10.7 7.7
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	1.5 4.8 ^a 0.00 5.6 81.1 1.3	1.1 56.1 0.04 5.6 120.9	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	1.5 4.8 ^a 0.00 5.6 81.1 1.3	1.1 56.1 0.04 5.6 120.9 19.0	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	1.5 4.8 ^a 0.00 5.6 81.1 1.3	1.1 56.1 0.04 5.6 120.9 19.0 87 53.9	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	1.5 4.8 ^a 0.00 5.6 81.1 1.3	1.1 56.1 0.04 5.6 120.9 19.0	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	1.5 4.8 ^a 0.00 5.6 81.1 1.3	1.1 56.1 0.04 5.6 120.9 19.0 87 53.9	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	1.5 4.8 ^a 0.00 5.6 81.1 1.3	1.1 56.1 0.04 5.6 120.9 19.0 87 53.9 1,568	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	1.5 4.8 ^a 0.00 5.6 81.1 1.3 34 4.7 407	1.1 56.1 0.04 5.6 120.9 19.0 87 53.9 1,568 6.0 6.1	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	1.5 4.8° 0.00 5.6 81.1 1.3 34 4.7 407	1.1 56.1 0.04 5.6 120.9 19.0 87 53.9 1,568	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	1.5 4.8 ^a 0.00 5.6 81.1 1.3 34 4.7 407	1.1 56.1 0.04 5.6 120.9 19.0 87 53.9 1,568 6.0 6.1 29.0	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	1.5 4.8 ^a 0.00 5.6 81.1 1.3 34 4.7 407 	1.1 56.1 0.04 5.6 120.9 19.0 87 53.9 1,568 6.0 6.1 29.0	5.6 80.1 1.25 10.7 7.7 6.5
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	1.5 4.8 ^a 0.00 5.6 81.1 1.3 34 4.7 407 	1.1 56.1 0.04 5.6 120.9 19.0 87 53.9 1,568 6.0 6.1 29.0	5.6 80.1 1.25 10.7 7.7 6.5 3 16.2 86 58.8 6,560 5.1 11.3 21.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	1.5 4.8 ^a 0.00 5.6 81.1 1.3 34 4.7 407 	1.1 56.1 0.04 5.6 120.9 19.0 87 53.9 1,568 6.0 6.1 29.0	5.6 80.1 1.25 10.7 7.7 6.5 3 16.2 86 58.8 6,560 5.1 11.3 21.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications	1.5 4.8 ^a 0.00 5.6 81.1 1.3 34 4.7 407 0.0 4.2 2.1	1.1 56.1 0.04 5.6 120.9 19.0 87 53.9 1,568 6.0 6.1 29.0 0.0 3.3 6.3	5.6 80.1 1.25 10.7 7.7 6.5 3 16.2 86 58.8 6,560 5.1 11.3 21.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	1.5 4.8 ^a 0.00 5.6 81.1 1.3 34 4.7 407 	1.1 56.1 0.04 5.6 120.9 19.0 87 53.9 1,568 6.0 6.1 29.0	86 58.8

Suriname

Latin America & Caribbean	Upper m	per middle in	
	Country		Upper middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	0.50	0.53	2,490
Urban population (% of total)	67	70	61
GNI per capita, World Bank Atlas method (\$)	3,320	7,840	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.9	4.1	6.3
Adult literacy rate (% ages 15 and older)	90	95	94
Gross primary, secondary, tertiary school enrollment (%)			75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M	C	
Mobile telephone service	M	С	
Internet service	Р	С	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	5.7		2.
Telecommunications investment (% of revenue)	32.4		17.8
Sector performance			
Access			
Fixed-telephone subscriptions (per 100 people)	16.2	15.9	
Mobile-cellular telephone subscriptions (per 100 people)	46.6	178.9	
Fixed (wired)-broadband subscriptions (per 100 people)	0.22	4.57	
Households with a computer (%)	17.3a	32.3	
Households with Internet access at home (%)	6.3	17.5	25.5
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			2.6
Domestic mobile traffic (minutes/subscription/month)	43.0	67.6	
Individuals using the Internet (%)	6.4	32.0	a 38.2
Quality Population covered by a mobile-cellular network (%)			98
•	15.9	100.0	
Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	1,408	10,035	
Affordability	1,400	10,033	13,200
Fixed-telephone sub-basket (\$ a month)		2.5	10.0
Mobile-cellular sub-basket (\$ a month)		14.3	
Fixed-broadband sub-basket (\$ a month)		42.1	18.2
Trade	••	12.1	10.2
ICT goods exports (% of total goods exports)	0.2	0.1	13.9
ICT goods imports (% of total goods imports)	3.3	2.8	
ICT service exports (% of total service exports)		44.2	
Applications	**		
Online service index (0-1, 1=highest presence)	0.35	0.16	0.46
Secure Internet servers (per million people)	10.0	43.1	
W 2 P 2 P 2 P 2 P			

Swaziland

Sub-Saharan Africa	Lower m	iddle i	ncome
			Lower middle- income
		Country data	
	2005	2011	2011
Economic and social context			0.500
Population (millions)	1	1	,
Urban population (% of total)	22	21	
GNI per capita, World Bank Atlas method (\$)	2,600 2.2	3,470 2.2	,
GDP growth, 2000–05 and 2005–11 (avg. annual %) Adult literacy rate (% ages 15 and older)	82	2.2 87	
Gross primary, secondary, tertiary school enrollment (%)	61	67	
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		M	
Mobile telephone service	М	M	
Internet service	С	P	
Foreign ownership (not allowed, restricted, allowed)	No	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed	i) B	В	
Sector efficiency and capacity	40.4		0.5
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	12.4 13.2	4.4 6.8	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	4.0	6.3	
Mobile-cellular telephone subscriptions (per 100 people)	18.1	63.7	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.23	
Households with a computer (%)		10.7	
Households with Internet access at home (%) Usage			. 7.7
Int'l. voice traffic, total (minutes/subscription/month)		43.5	6.5
Domestic mobile traffic (minutes/subscription/month)		44.2	
Individuals using the Internet (%)	3.7a	18.1	16.2
Quality			
Population covered by a mobile-cellular network (%)	90	95	86
Fixed (wired)-broadband subscriptions (% of total Internet)	0.0	59.1	58.8
International Internet bandwidth (bit/s per Internet user)	24 ^a	2,347	6,560
Affordability			
Fixed-telephone sub-basket (\$ a month)		5.0	
Mobile-cellular sub-basket (\$ a month)		24.3	
Fixed-broadband sub-basket (\$ a month)		874.6	21.6
Trade	0.2		. 5.7
ICT goods exports (% of total goods exports)	2.2		0.7
ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	15.6	29.0	
Applications	10.0	29.0	43.4
Online service index (0-1, 1=highest presence)	0.35	0.14	0.32
Secure Internet servers (per million people)	2.0	8.2	
oodaro macinica derena (per million people)	2.0	0.2	. 0.0

Sweden

	Country data		High- income group
•	2005	2011	2011
Economic and social context			
Population (millions)	9	9	1,135
Urban population (% of total)	84	85	80
GNI per capita, World Bank Atlas method (\$)	42,920	53,170	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.8	1.3	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	95	93	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	C	С	
Mobile telephone service	C	С	
Internet service	C	С	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.8	1.6	2.6
Telecommunications investment (% of revenue)	17.8	13.3	15.8
Sector performance			
Access	CO 4	40.7	47.0
Fixed-telephone subscriptions (per 100 people)	62.4	48.7	47.3
Mobile-cellular telephone subscriptions (per 100 people)	100.8 27.93	118.6 31.77	114.1 27.30
Fixed (wired)-broadband subscriptions (per 100 people)		91.6	77.3
Households with a computer (%)	80.0 72.5	91.6	74.3
Households with Internet access at home (%)	12.5	90.6	14.3
Usage Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	90.8	 124.3	184.6
Individuals using the Internet (%)	84.8	91.0	75.8
Quality	04.0	31.0	13.0
Population covered by a mobile-cellular network (%)	99	99	100
Fixed (wired)-broadband subscriptions (% of total Internet)	76.7	92.4	95.0
International Internet bandwidth (bit/s per Internet user)		244,440	
Affordability	20,500	244,440	10,120
Fixed-telephone sub-basket (\$ a month)		25.5	23.8
Mobile-cellular sub-basket (\$ a month)		14.4	23.9
Fixed-broadband sub-basket (\$ a month)		33.1	26.6
Trade			
ICT goods exports (% of total goods exports)	11.2	9.3	9.6
ICT goods imports (% of total goods imports)	11.1	10.6	11.2
ICT service exports (% of total service exports)	46.2	51.9	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.92	0.84	0.67
Secure Internet servers (per million people)	331.2	1,535.1	1,067.1

Switzerland

	Countr	y data	High- income group
	2005	2011	2011
Economic and social context			
Population (millions)	7	8	1,135
Urban population (% of total)	73	74	80
GNI per capita, World Bank Atlas method (\$)	58,530	76,350	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.2	1.9	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	85	87	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	Р	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.4	2.9	2.6
Telecommunications investment (% of revenue)	12.6	13.7	15.8
Sector performance			
Access	00.5	50.0	47.0
Fixed-telephone subscriptions (per 100 people)	69.5	59.9	
Mobile-cellular telephone subscriptions (per 100 people)	92.2	131.4	
Fixed (wired)-broadband subscriptions (per 100 people)	22.51	39.96	
Households with a computer (%)	76.5	86.9	
Households with Internet access at home (%)	67.0ª	85.0	74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	57.6	88.9	 184.6
Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	70.1	85.2	75.8
Quality	70.1	03.2	10.6
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	64.6	97.7	95.0
International Internet bandwidth (bit/s per Internet user)		167,636	
Affordability	15,745	107,030	10,120
Fixed-telephone sub-basket (\$ a month)		31.6	23.8
Mobile-cellular sub-basket (\$ a month)		45.2	23.9
Fixed-broadband sub-basket (\$ a month)		32.7	26.6
Trade			
ICT goods exports (% of total goods exports)	2.6	1.5	9.6
ICT goods imports (% of total goods imports)	7.4	5.6	11.2
ICT service exports (% of total service exports)	26.9	32.7	30.6
Applications			
Online service index (0-1, 1=highest presence)	0.76	0.67	0.67
Secure Internet servers (per million people)	472.8	2,378.5	1,067.1

Syrian Arab Republic

Middle East & North	n Africa	Lower m	niddle i	ncome
				Lower middle- income
			Country data	
		2005	2011	2011
Economic and social co	ntext	40	0.4	0.500
Population (millions)		18	21	,
Urban population (% of total)		54	56	
GNI per capita, World Bank A	* *	1,500 4.7	2,750 5.0	,
GDP growth, 2000-05 and 2 Adult literacy rate (% ages 15		4.1 81	83	
Gross primary, secondary, te				00
Sector structure				
Separate telecommunication	s/ICT regulator	No	No	
Status of main fixed-line ope	rator	Public	Public	
Level of competition (compet	tition, partial comp., monopoly)			
International gateway(s)				
Mobile telephone service		Р	P	
Internet service		Р	P)
Foreign ownership (not allow		Α	No	
Reg. treatment of VoIP (bann	ed, closed, no framework, allowed	d) B	В	
Sector efficiency and ca				
Telecommunications revenue	· ·	2.6	2.9	
Telecommunications investm	ent (% of revenue)	7.5	15.4	29.0
Sector performance				
Access				
Fixed-telephone subscription	is (per 100 people)	15.7	20.9	5.6
Mobile-cellular telephone sul	bscriptions (per 100 people)	16.0	63.2	80.1
Fixed (wired)-broadband sub	scriptions (per 100 people)	0.01a	0.58	1.25
Households with a computer	(%)	28.0	40.4	la 10.7
Households with Internet acc	cess at home (%)	26.0	35.2	a 7.7
Usage				
Int'l. voice traffic, total (minu		13.6	11.7	
Domestic mobile traffic (mini		130.2	0.1	
Individuals using the Internet	t (%)	5.6	22.5	16.2
Quality			0.0	
Population covered by a mob		92	98	
	scriptions (% of total Internet)	1.3	7.1	
International Internet bandwi Affordability	idth (bit/s per internet user)	328ª	3,489	6,560
Fixed-telephone sub-basket ((\$ a month)		1.3	5.1
Mobile-cellular sub-basket (\$			21.3	11.3
Fixed-broadband sub-basket	(\$ a month)		21.6	21.6
Trade				
ICT goods exports (% of total	goods exports)	0.0	0.0	5.7
ICT goods imports (% of total	l goods imports)	3.3	2.2	6.7
ICT service exports (% of total	al service exports)	9.3	2.5	43.4
Applications				
Online service index (0-1, 1=	highest presence)	0.36	0.23	0.32
Secure Internet servers (per i	million people)	0.1	0.3	3.5
Secure Internet servers (per I	million people)	0.1		0.3

Tajikistan

Europe & Central Asia

Low income

	Countr	Country data	
-	2005	2011	group 2011
Economic and social context			
Population (millions)	6	7	817
Urban population (% of total)	26	27	28
GNI per capita, World Bank Atlas method (\$)	340	870	571
GDP growth, 2000-05 and 2005-11 (avg. annual %)	10.1	8.9	5.8
Adult literacy rate (% ages 15 and older)	99	100	63
Gross primary, secondary, tertiary school enrollment (%)	72	71	58
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.9		
Telecommunications investment (% of revenue)	71.4		
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)	4.3	5.4	a 1.1
Mobile-cellular telephone subscriptions (per 100 people)	4.1	90.6	
Fixed (wired)-broadband subscriptions (per 100 people)	0.06	0.07	
Households with a computer (%)			
Households with Internet access at home (%)			
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	7.3		86.3
Individuals using the Internet (%)	0.3	13.0	a 6.0
Quality			
Population covered by a mobile-cellular network (%)			
Fixed (wired)-broadband subscriptions (% of total Internet)	2.2		24.5
International Internet bandwidth (bit/s per Internet user) Affordability	104ª		2,941
Fixed-telephone sub-basket (\$ a month)		0.9	9.6
Mobile-cellular sub-basket (\$ a month)		8.5	
Fixed-broadband sub-basket (\$ a month)		362.5	
Trade		002.0	12.0
ICT goods exports (% of total goods exports)			
ICT goods imports (% of total goods imports)			
ICT service exports (% of total service exports)	19.2	48.5	
Applications	20.2	10.0	10.0
Online service index (0-1, 1=highest presence)	0.32	0.24	0.20
Secure Internet servers (per million people)		1.0	
(F1 million books)		2.0	0.0

Tanzania

Sub-Saharan Africa Low income

	Countr	Country data		Country data		Country data	
-	2005	2011	group 2011				
Economic and social context							
Population (millions)	39	46	817				
Urban population (% of total)	24	27	28				
GNI per capita, World Bank Atlas method (\$)	380	540	571				
GDP growth, 2000-05 and 2005-11 (avg. annual %)	7.1	6.8	5.8				
Adult literacy rate (% ages 15 and older)	69	73	63				
Gross primary, secondary, tertiary school enrollment (%)		58	58				
Sector structure							
Separate telecommunications/ICT regulator	Yes	Yes					
Status of main fixed-line operator	Mixed	Mixed					
Level of competition (competition, partial comp., monopoly)							
International gateway(s)	М	М					
Mobile telephone service	С	С					
Internet service	С	С					
Foreign ownership (not allowed, restricted, allowed)	R	R					
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α					
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)							
Telecommunications investment (% of revenue)							
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.4 7.6 0.00	0.3 55.5 0.01	41.7				
Households with a computer (%)	2.0	4.0					
Households with Internet access at home (%)	0.5a	4.5					
Usage	0.5	4.5					
Int'l. voice traffic, total (minutes/subscription/month)	3.2	1.2					
Domestic mobile traffic (minutes/subscription/month)	7.1	56.7					
Individuals using the Internet (%)	4.3a	12.0					
Quality	1.0	12.0	0.0				
Population covered by a mobile-cellular network (%)	45	85					
Fixed (wired)-broadband subscriptions (% of total Internet)	1.6	0.6					
International Internet bandwidth (bit/s per Internet user)	60a	902					
Affordability			_,				
Fixed-telephone sub-basket (\$ a month)		11.2	9.6				
Mobile-cellular sub-basket (\$ a month)		10.1	11.9				
Fixed-broadband sub-basket (\$ a month)		31.3					
Trade							
ICT goods exports (% of total goods exports)	0.3	0.2					
ICT goods imports (% of total goods imports)	5.8	3.7					
ICT service exports (% of total service exports)	10.1	13.5	18.6				
Applications							
Online service index (0-1, 1=highest presence)	0.29	0.35	0.20				
Secure Internet servers (per million people)	0.1	0.8					

Thailand

East Asia & Pacific U	pper m	per middle inco		
			Upper middle- income	
	Countr	Country data		
	2005	2011	2011	
Economic and social context				
Population (millions)	67	70	2,490	
Urban population (% of total)	32	34	61	
GNI per capita, World Bank Atlas method (\$)	2,560	4,440	6,563	
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.5	2.8	6.3	
Adult literacy rate (% ages 15 and older)	94		94	
Gross primary, secondary, tertiary school enrollment (%)	72	72	75	
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Public	Public		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)	М	С		
Mobile telephone service	Р	С		
Internet service	С	С		
Foreign ownership (not allowed, restricted, allowed)	R	R		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	Α		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	3.2	2.5	2.7	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	3.2 10.0	2.5 9.3		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access	10.0	9.3	17.8	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	10.0	9.3	20.9	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	10.0 10.5 45.7	9.3 9.6 111.6	20.9 92.4	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	10.0 10.5 45.7 0.83	9.3 9.6 111.6 5.03	20.9 92.4 9.96	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Irixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	10.0 10.5 45.7 0.83	9.3 9.6 111.6 5.03 24.7	20.9 92.4 9.96 35.9	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	10.0 10.5 45.7 0.83	9.3 9.6 111.6 5.03	20.9 92.4 9.96 35.9	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	10.0 10.5 45.7 0.83 7.2ª	9.6 111.6 5.03 24.7 13.4	20.9 92.4 9.96 35.9 25.5	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	10.0 10.5 45.7 0.83 7.2ª	9.3 9.6 111.6 5.03 24.7 13.4	20.9 92.4 9.96 35.9 25.5	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	10.0 10.5 45.7 0.83 7.2ª	9.6 111.6 5.03 24.7 13.4	20.9 92.4 9.96 35.9 25.5	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	10.0 10.5 45.7 0.83 7.2ª	9.3 9.6 111.6 5.03 24.7 13.4 1.7 96.5	20.9 92.4 9.96 35.9 25.5	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	10.0 10.5 45.7 0.83 7.2ª	9.3 9.6 111.6 5.03 24.7 13.4 1.7 96.5	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Access Mobile-cellular telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	10.0 10.5 45.7 0.83 7.2a 	9.6 111.6 5.03 24.7 13.4 1.7 96.5 23.7	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Access Mobile-cellular telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	10.0 10.5 45.7 0.83 7.2a 15.0	9.6 111.6 5.03 24.7 13.4 1.7 96.5 23.7	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Access Mobile-cellular telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	10.0 10.5 45.7 0.83 7.2 ^a 15.0 26 99.6	9.3 9.6 111.6 5.03 24.7 13.4 1.7 96.5 23.7 100 90.9	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	10.0 10.5 45.7 0.83 7.2 ^a 15.0 26 99.6	9.3 9.6 111.6 5.03 24.7 13.4 1.7 96.5 23.7 100 90.9	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	10.0 10.5 45.7 0.83 7.2a 15.0 26 99.6 679	9.3 9.6 111.6 5.03 24.7 13.4 1.7 96.5 23.7 100 90.9 24,634	20.9 92.4 9.96 35.5 25.5 144.6 38.2 98 84.6 13,200	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	10.0 10.5 45.7 0.83 7.2a 15.0 26 99.6 679	9.6 111.6 5.03 24.7 13.4 1.7 96.5 23.7 100 90.9 24,634 6.0	20.9 92.4 9.96 35.5 25.5 26 144.6 38.2 98 84.6 13,200	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	10.0 10.5 45.7 0.83 7.2a 15.0 26 99.6 679	9.6 111.6 5.03 24.7 13.4 1.7 96.5 23.7 100 90.9 24,634 6.0 8.7	20.9 92.4 9.96 35.5 25.5 26 144.6 38.2 98 84.6 13,200	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	10.0 10.5 45.7 0.83 7.2a 15.0 26 99.6 679	9.6 111.6 5.03 24.7 13.4 1.7 96.5 23.7 100 90.9 24,634 6.0 8.7	20.9 92.4 9.96 35.5 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Access Mobile-cellular telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'1. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	10.0 10.5 45.7 0.83 7.2a 15.0 26 99.6 679	9.6 111.6 5.03 24.7 13.4 1.7 96.5 23.7 100 90.9 24,634 6.0 8.7 20.2	17.8 20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Access Mobile-cellular telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	10.0 10.5 45.7 0.83 7.2a 15.0 26 99.6 679	9.3 9.6 111.6 5.03 24.7 13.4 1.7 96.5 23.7 100 90.9 24,634 6.0 8.7 20.2	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods imports)	10.0 10.5 45.7 0.83 7.2a 15.0 26 99.6 679 23.4 17.4	9.3 9.6 111.6 5.03 24.7 13.4 1.7 96.5 23.7 100 90.9 24,634 6.0 8.7 20.2 15.6 11.9	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	10.0 10.5 45.7 0.83 7.2a 15.0 26 99.6 679 23.4 17.4	9.3 9.6 111.6 5.03 24.7 13.4 1.7 96.5 23.7 100 90.9 24,634 6.0 8.7 20.2 15.6 11.9	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2	

Timor-Leste

East Asia & Pacific	Lower n	ver middle incor	
	Countr	w data	Lower middle- income
	2005	2011	group 2011
Economic and social context	2003	2011	2011
Population (millions)	1	1	2,533
Urban population (% of total)	26	28	,
GNI per capita, World Bank Atlas method (\$)	740	2,730	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	0.5	10.3	
Adult literacy rate (% ages 15 and older)	51	58	71
Gross primary, secondary, tertiary school enrollment (%)	67	71	63
Sector structure			
Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) B	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	6.2	2.5
Telecommunications investment (% of revenue)	16.9	28.6	29.0
Sector performance Access	0.0	0.0	F.0
Fixed-telephone subscriptions (per 100 people)	0.2	0.3	
Mobile-cellular telephone subscriptions (per 100 people)	3.3	53.2	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.05	
Households with a computer (%)			
Households with Internet access at home (%)			7.7
Usage	20.0		6.5
Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	70.6	36.8	
Individuals using the Internet (%)	0.1	0.9	
Quality	0.1	0.9	10.2
Population covered by a mobile-cellular network (%)	50	69	86
Fixed (wired)-broadband subscriptions (% of total Internet)	3.4	42.9	
International Internet bandwidth (bit/s per Internet user)	4,997	17,141	
Affordability	4,551	11,171	0,500
Fixed-telephone sub-basket (\$ a month)		17.2	5.1
Mobile-cellular sub-basket (\$ a month)		16.6	
Fixed-broadband sub-basket (\$ a month)		99.0	
Trade		00.0	
ICT goods exports (% of total goods exports)	5.2		5.7
ICT goods imports (% of total goods imports)	3.4		0 =
ICT service exports (% of total service exports)			40.4
Applications	::		
Online service index (0-1, 1=highest presence)	0.25	0.22	0.32
Secure Internet servers (per million people)	1.0	2.6	
Annual Poobles	2.0	2.0	5.



Sub-Saharan Africa Low income

	Countr	Country data		Country data		Country data	
-	2005	2011	group 2011				
Economic and social context							
Population (millions)	5	6	817				
Urban population (% of total)	35	38	28				
GNI per capita, World Bank Atlas method (\$)	370	570	571				
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.5	3.3	5.8				
Adult literacy rate (% ages 15 and older)	57	57	63				
Gross primary, secondary, tertiary school enrollment (%)	63	76	58				
Sector structure							
Separate telecommunications/ICT regulator	Yes	Yes					
Status of main fixed-line operator	Public	Public					
Level of competition (competition, partial comp., monopoly)							
International gateway(s)	Р	Р					
Mobile telephone service	Р	С					
Internet service	C	С					
Foreign ownership (not allowed, restricted, allowed)	R	R					
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	A					
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)	6.3	9.4					
Telecommunications investment (% of revenue)	34.7	15.3					
Sector performance Access							
Fixed-telephone subscriptions (per 100 people)	1.2	3.9	a 1.1				
Mobile-cellular telephone subscriptions (per 100 people)	8.0	50.4					
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.08					
Households with a computer (%)		3.7					
Households with Internet access at home (%)		1.1					
Usage							
Int'l. voice traffic, total (minutes/subscription/month)	22.5	8.5					
Domestic mobile traffic (minutes/subscription/month)	22.0	22.2	86.3				
Individuals using the Internet (%)	1.8a	3.5	a 6.0				
Quality							
Population covered by a mobile-cellular network (%)	85	75					
Fixed (wired)-broadband subscriptions (% of total Internet)	1.9	6.2	24.5				
International Internet bandwidth (bit/s per Internet user) Affordability	146	6,443	2,941				
Fixed-telephone sub-basket (\$ a month)		13.7	9.6				
Mobile-cellular sub-basket (\$ a month)		19.6					
Fixed-broadband sub-basket (\$ a month)		165.6					
Trade		100.0	72.0				
ICT goods exports (% of total goods exports)	0.1	0.1					
ICT goods imports (% of total goods imports)	3.9	4.5					
ICT service exports (% of total service exports)	23.8	23.2					
Applications	25.0	20.2	10.0				
Online service index (0-1, 1=highest presence)	0.22	0.14	0.20				
Secure Internet servers (per million people)	0.4	3.5					
The state of the s							

Tonga

East Asia & Pacific L	ower iii	wer middle i			wer middle in	
			Lower			
	Countr	y data	middle- income			
	2005	2011	group 2011			
Economic and social context						
Population (millions)	0.10	0.10	2,533			
Urban population (% of total)	23	23				
GNI per capita, World Bank Atlas method (\$)	2,550	3,820	1,772			
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.4	0.9	6.2			
Adult literacy rate (% ages 15 and older)	99		_			
Gross primary, secondary, tertiary school enrollment (%)	89		63			
Sector structure						
Separate telecommunications/ICT regulator	No	No				
Status of main fixed-line operator	Public	Public				
Level of competition (competition, partial comp., monopoly)						
International gateway(s)		C				
Mobile telephone service		C				
Internet service	Р	C				
Foreign ownership (not allowed, restricted, allowed)		А				
Reg. treatment of VoIP (banned, closed, no framework, allowed) C	C				
			2.5			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access			00.0			
Telecommunications investment (% of revenue) Sector performance			29.0			
Telecommunications investment (% of revenue) Sector performance Access			29.0			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	13.6	28.7	5.6 80.1			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	13.6 29.6 ^a	28.7 52.6	5.6 80.1 1.25			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	13.6 29.6 ^a	28.7 52.6 1.24	5.6 80.1 1.25			
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	13.6 29.6 ^a 0.64	28.7 52.6 1.24	5.6 80.1 1.25 10.7 7.7			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	13.6 29.6 ^a 0.64 	28.7 52.6 1.24	5.6 80.1 1.25 10.7 7.7			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	13.6 29.6 ^a 0.64 	28.7 52.6 1.24	5.6 80.1 1.25 10.7 7.7			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	13.6 29.6 ^a 0.64 	28.7 52.6 1.24	5.6 80.1 1.25 10.7 7.7			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	13.6 29.6 ^a 0.64 	28.7 52.6 1.24	5.6 80.1 1.25 10.7 7.7 6.5			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	13.6 29.6a 0.64 	28.7 52.6 1.24	5.6 80.1 1.25 10.7 7.7 6.5 16.2			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	13.6 29.6 ^a 0.64 4.9 ^a	28.7 52.6 1.24 	5.6 80.1 1.25 10.7 7.7 6.5 86 58.8			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	13.6 29.6a 0.64 4.9a 70 37.0 404a	28.7 52.6 1.24 25.0 16.2 3,827	5.6 80.1 1.25 10.7 7.7 6.5 6.5 6,560			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	13.6 29.6 ^a 0.64 4.9 ^a 70 37.0 404 ^a	28.7 52.6 1.24 25.0 16.2 3,827	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	13.6 29.6° 0.64 4.9° 70 37.0 404°	28.7 52.6 1.24 25.0 16.2 3,827 6.4	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	13.6 29.6 ^a 0.64 4.9 ^a 70 37.0 404 ^a	28.7 52.6 1.24 25.0 16.2 3,827	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	13.6 29.6° 0.64 4.9° 70 37.0 404°	28.7 52.6 1.24 25.0 16.2 3,827 6.4 11.0 62.3	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	13.6 29.6 ^a 0.64 4.9 ^a 70 37.0 404 ^a	28.7 52.6 1.24 25.0 16.2 3,827 6.4	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	13.6 29.6 ^a 0.64 4.9 ^a 70 37.0 404 ^a 	28.7 52.6 1.24 25.0 25.0 6.2 3,827 6.4 11.0 62.3	5.6 80.11 1.25 10.7 7.7 6.5 6.5 6.560 5.11 11.3 21.6			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	13.6 29.6 ^a 0.64 4.9 ^a 70 37.0 404 ^a 	28.7 52.6 1.24 25.0 16.2 3,827 6.4 11.0 62.3	5.6 80.11 1.25 10.7 7.7 6.5 6.5 6.560 5.11 11.3 21.6			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	13.6 29.6 ^a 0.64 4.9 ^a 70 37.0 404 ^a 	28.7 52.6 1.24 25.0 25.0 6.2 3,827 6.4 11.0 62.3	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6			

Trinidad and Tobago

	Country	y data	High- income group
•	2005	2011	2011
Economic and social context			
Population (millions)	1	1	1,135
Urban population (% of total)	12	14	80
GNI per capita, World Bank Atlas method (\$)	10,910	15,840	39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)	8.7	1.6	0.7
Adult literacy rate (% ages 15 and older)	98	99	98
Gross primary, secondary, tertiary school enrollment (%)	64		94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	M		
Mobile telephone service	M	P	
Internet service	C	P	
Foreign ownership (not allowed, restricted, allowed)	Α	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.4	2.7	2.6
Telecommunications investment (% of revenue)		692.1	15.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	24.5 70.3	21.7 135.6	
Fixed (wired)-broadband subscriptions (per 100 people)	0.82	11.51	
Households with a computer (%)	31.0	53.1	
Households with Internet access at home (%)	17.0	18.6	
Usage	11.0	10.0	1 1.0
Int'l. voice traffic, total (minutes/subscription/month)	27.0	20.9	
Domestic mobile traffic (minutes/subscription/month)	272.8	223.7	
Individuals using the Internet (%)	29.0a	55.2	
Quality	20.0	00.2	10.0
Population covered by a mobile-cellular network (%)	100	100	100
Fixed (wired)-broadband subscriptions (% of total Internet)	16.6	98.6	
International Internet bandwidth (bit/s per Internet user)	1,286	19,753	
Affordability	1,200	10,.00	. 0,.20
Fixed-telephone sub-basket (\$ a month)		19.5	23.8
Mobile-cellular sub-basket (\$ a month)		13.7	
Fixed-broadband sub-basket (\$ a month)		12.5	
Trade		12.0	20.0
ICT goods exports (% of total goods exports)	0.2	0.1	9.6
ICT goods imports (% of total goods imports)	4.0	3.1	
ICT service exports (% of total service exports)	8.9	6.5	
Applications	0.5	0.5	30.0
Online service index (0-1, 1=highest presence)	0.53	0.48	0.67
Secure Internet servers (per million people)	21.3		1,067.1
Source internation (per minion people)	21.0	01.1	2,001.1

Tunisia

Economic and social context Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	Countr 2005 10 65 3,200 4.5 74 78 Yes Public C C C		Upper middle- income group 2011 2,490 61 6,563 94 75
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with Internet access at home (%)	2005 10 65 3,200 4.5 74 78 Yes Public C C C	2011 11 66 4,020 3.6 78 80 Yes Mixed P C C C R A	2,490 61 6,563 6.3 94 75
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	10 65 3,200 4.5 74 78 Yes Public C C C	11 66 4,020 3.6 78 80 Yes Mixed P C C R A	2,490 61 6,563 94 75
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000–05 and 2005–11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	65 3,200 4.5 74 78 Yes Public C C C	66 4,020 3.6 78 80 Yes Mixed P C C C R A	61 6,563 6.3 94 75
Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with Internet access at home (%)	65 3,200 4.5 74 78 Yes Public C C C	66 4,020 3.6 78 80 Yes Mixed P C C C R A	61 6,563 6.3 94 75
GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	3,200 4.5 74 78 Yes Public C C C	4,020 3.6 78 80 Yes Mixed P C C C R A	6,563 6.3 92 75
GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	4.5 74 78 Yes Public C C C	3.6 78 80 Yes Mixed P C C R A	6.3 9.4 7.5 2.1
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	74 78 Yes Public C C	78 80 Yes Mixed P C C C R A	9.2
Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	78 Yes Public C C C	Yes Mixed PCCCRAA	2.1
Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	Public C C C S 3.8 21.7	Mixed PCCCRA	
Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	Public C C C S 3.8 21.7	Mixed PCCCRA	
Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	C C C 3.8 21.7	P C C R A	
International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	C C C 3.8 21.7	C C R A 3.9	
Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	C C C 3.8 21.7	C C R A 3.9	
Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	3.8 21.7	C R A	
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	3.8 21.7	3.9	
Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	3.8 21.7	3.9	
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	3.8 21.7	3.9	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	21.7		
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	21.7		
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)		22.9	17.8
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	12.7		
Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)		11.5	20.9
Households with a computer (%) Households with Internet access at home (%)	57.3	116.9	92.4
Households with Internet access at home (%)	0.18	5.14	9.90
* *	9.6	19.1	35.
Usage	3.4	11.4	25.
Int'l. voice traffic, total (minutes/subscription/month)	7.1	5.8	2.
Domestic mobile traffic (minutes/subscription/month)	35.5	61.7	144.
Individuals using the Internet (%)	9.7	39.1	38.
Quality			
Population covered by a mobile-cellular network (%)	98	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	11.7	90.1	84.
International Internet bandwidth (bit/s per Internet user) Affordability	784	14,832	13,20
Fixed-telephone sub-basket (\$ a month)		5.8	10.
Mobile-cellular sub-basket (\$ a month)		10.0	16.
Fixed-broadband sub-basket (\$ a month) Trade		10.5	18.
ICT goods exports (% of total goods exports)	2.0	7.4	13.9
ICT goods imports (% of total goods imports)	4.6	6.6	13.
ICT service exports (% of total service exports)	5.1	10.8	28.3
Applications	0.1	20.0	
Online service index (0-1, 1=highest presence)	0.35	0.48	0.46
Secure Internet servers (per million people)	1.4	13.0	19.

Turkey

Europe & Central Asia	Upper middle inc		
Europe & Central Asia			Upper middle- income
	Countr		group
	2005	2011	2011
Economic and social context	00	7.4	0.407
Population (millions)	68	74	,
Urban population (% of total)	67	71	
GNI per capita, World Bank Atlas method (\$)	6,480	10,410	- ,
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.2	3.1	
Adult literacy rate (% ages 15 and older)	88	91	-
Gross primary, secondary, tertiary school enrollment (%)	72	81	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С		
Mobile telephone service	P		
Internet service	C	C	
Foreign ownership (not allowed, restricted, allowed)	A	No	
Reg. treatment of VoIP (banned, closed, no framework, allowed		A	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	2.6 11.0	2.2 20.0	
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	27.9	20.7	20.9
Mobile-cellular telephone subscriptions (per 100 people)	64.0	88.7	
Fixed (wired)-broadband subscriptions (per 100 people)	2.33	10.26	
Households with a computer (%)	12.0	48.5	
Households with Internet access at home (%)	7.7	42.9	
Usage		72.5	20.0
Int'l. voice traffic, total (minutes/subscription/month)	3.9	5.6	2.6
Domestic mobile traffic (minutes/subscription/month)	68.3	187.0	
Individuals using the Internet (%)	15.5	42.1	
Quality	10.0	72.1	30.2
Population covered by a mobile-cellular network (%)	96	100	98
	70.6	98.7	
Fixed (wired)-broadband subscriptions (% of total Internet)	2,772	33,938	
International Internet bandwidth (bit/s per Internet user)	2,112	JJ,938	13,200
Affordability		14.5	10.0
Fixed-telephone sub-basket (\$ a month)			
Mobile-cellular sub-basket (\$ a month)		33.8	
Fixed-broadband sub-basket (\$ a month)		13.8	18.2
Trade	4.4	4 -	40.0
ICT goods exports (% of total goods exports)	4.4	1.7	13.9

13.5

28.3

ICT goods imports (% of total goods imports)

Applications

ICT service exports (% of total service exports)

Online service index (0-1, 1=highest presence)

Secure Internet servers (per million people)

6.1

2.3

0.48

18.0

3.8

1.7

0.46 0.46

125.8 19.9

Turkmenistan

Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	Countr 2005 5 47 1,600 4.5 No Public C C B d) B		Upper middle-income group 2011 2,496 66,563 6.3 94 75
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	5 47 1,600 4.5 No Public C dd) B	5 49 4,800 10.8 100 No Public B	2,490 62 6,563 6.3 94
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	47 1,600 4.5 No Public C d) B	49 4,800 10.8 100 No Public C	6,563 6,563 94
Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allower) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	47 1,600 4.5 No Public C d) B	49 4,800 10.8 100 No Public C	6,563 6,563 94
GNI per capita, World Bank Atlas method (\$) GDP growth, 2000–05 and 2005–11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	1,600 4.5 No Public C d) B	4,800 10.8 100 No Public B	6,563 6.3 94
GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	4.5 No Public C d) B	10.8 100 No Public C B	6.3 94
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	No Public C d)	No Public C B B	94
Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)	No Public C d) B	No Public	
Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	No Public C 	No Public C B	75
Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	Public C d) B	Public C B	
Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	Public C d) B	Public C B	
Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	 C d) B	 C 	
International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	 d) B	 B	
Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	 d) B	 B	
Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	 d) B	 B	
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	 d) B	В	
Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance		В	
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	1.5		
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	1.5		
Telecommunications investment (% of revenue) Sector performance			2.7
Sector performance			17.8
Fixed-telephone subscriptions (per 100 people)	8.4	10.7	20.9
Mobile-cellular telephone subscriptions (per 100 people)	2.2a	68.8	92.4
Fixed (wired)-broadband subscriptions (per 100 people)		0.02	9.90
Households with a computer (%)		7.0	35
Households with Internet access at home (%) Usage		4.0	25.
Int'l. voice traffic, total (minutes/subscription/month)			2.0
Domestic mobile traffic (minutes/subscription/month)			144.0
Individuals using the Internet (%)	1.0a	5.0	
Quality	1.0	5.0	30.2
Population covered by a mobile-cellular network (%)	14		98
Fixed (wired)-broadband subscriptions (% of total Internet)			84.0
International Internet bandwidth (bit/s per Internet user)	1,605a		13,20
Affordability	1,000	2,00.	10,20
Fixed-telephone sub-basket (\$ a month)			10.
Mobile-cellular sub-basket (\$ a month)			16.0
Fixed-broadband sub-basket (\$ a month)			18.2
Trade	-		
ICT goods exports (% of total goods exports)			13.
ICT goods imports (% of total goods imports)			13.
ICT service exports (% of total service exports)			28.3
Applications	•		_5
Online service index (0-1, 1=highest presence)	0.33	0.19	0.46
Secure Internet servers (per million people)		0.2	19.9

Turks and Caicos Islands

South Asia High income

	Countr	y data	High- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	0.03	0.04	1,135
Urban population (% of total)	90	94	80
GNI per capita, World Bank Atlas method (\$)			39,860
GDP growth, 2000-05 and 2005-11 (avg. annual %)			0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)			94
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allowed)			
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)			2.6
Telecommunications investment (% of revenue)			15.8
Sector performance			
Access Fixed-telephone subscriptions (per 100 people)			47.3
Mobile-cellular telephone subscriptions (per 100 people)			114.1
Fixed (wired)-broadband subscriptions (per 100 people)			27.30
Households with a computer (%)			77.3
Households with Internet access at home (%)			74.3
Usage			
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)			184.6
Individuals using the Internet (%)			75.8
Quality			
Population covered by a mobile-cellular network (%)			100
Fixed (wired)-broadband subscriptions (% of total Internet)			95.0
International Internet bandwidth (bit/s per Internet user) Affordability			70,726
Fixed-telephone sub-basket (\$ a month)			23.8
Mobile-cellular sub-basket (\$ a month)			23.9
Fixed-broadband sub-basket (\$ a month)			26.6
Trade			
ICT goods exports (% of total goods exports)	4.0	1.7	9.6
ICT goods imports (% of total goods imports)	4.6	2.6	11.2
ICT service exports (% of total service exports)			30.6
Applications			
Online service index (0-1, 1=highest presence)			0.67
Secure Internet servers (per million people)		402.4	1,067.1

Tuvalu

East Asia & Pacific L	pper iii	per middle i			per middle in	
			Upper			
	Countr		middle- income			
	2005	2011	group 2011			
Economic and social context						
Population (millions)	0.01	0.01	2,490			
Urban population (% of total)	48	51	61			
GNI per capita, World Bank Atlas method (\$)	3,740	4,950	6,563			
GDP growth, 2000-05 and 2005-11 (avg. annual %)	0.2	2.0	6.3			
Adult literacy rate (% ages 15 and older)			94			
Gross primary, secondary, tertiary school enrollment (%)			75			
Sector structure						
Separate telecommunications/ICT regulator	No	No				
Status of main fixed-line operator	Public	Public				
Level of competition (competition, partial comp., monopoly)						
International gateway(s)						
Mobile telephone service	М					
Internet service	М	М				
Foreign ownership (not allowed, restricted, allowed)	R	R				
Reg. treatment of VoIP (banned, closed, no framework, allowed)						
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue)						
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance						
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access			17.8			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	9.2	14.7	20.9			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	9.2 13.4	14.7 21.6	20.9 92.4			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	9.2	14.7 21.6 4.57	20.9 92.4 9.96			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Irixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	9.2 13.4	14.7 21.6	20.9 92.4 9.96 35.9			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	9.2 13.4 1.55	14.7 21.6 4.57	20.9 92.4 9.96 35.9 25.8			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	9.2 13.4 1.55 	14.7 21.6 4.57 	20.9 92.4 9.96 35.9 25.8			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	9.2 13.4 1.55 	14.7 21.6 4.57 	20.9 92.4 9.96 35.9 25.8			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	9.2 13.4 1.55 	14.7 21.6 4.57 	20.9 92.4 9.96 35.9 25.8			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	9.2 13.4 1.55 	14.7 21.6 4.57 	20.9 92.4 9.96 35.5 25.5 2.6 144.6			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	9.2 13.4 1.55 2.9 10.0a	14.7 21.6 4.57 	20.9 92.4 9.90 35.5 25.5 2.1 144.6 9.8			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	9.2 13.4 1.55 2.9 10.0°	14.7 21.6 4.57 30.0	20.9 92.4 9.96 35.5 25.5 2.6 144.6 3 38.2			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	9.2 13.4 1.55 2.9 10.0° 13 28.8 3,073	14.7 21.6 4.57 30.0	20.9 92.4 9.96 35.9 25.5 2.6 144.6 3 38.2 98 84.6 13,200			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	9.2 13.4 1.55 2.9 10.0° 13 28.8 3,073	14.7 21.6 4.57 30.0	20.9 92.4 9.96 35.9 25.5 2.6 144.6 3 38.2 98 84.6 13,200			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	9.2 13.4 1.55 2.9 10.0 ^a 13 28.8 3,073	14.7 21.6 4.57 30.0 1,354	20.9 92.4 9.96 35.9 25.5 26.144.6 13,200 10.0 16.0			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	9.2 13.4 1.55 2.9 10.0° 13 28.8 3,073	14.7 21.6 4.57 30.0	20.9 92.4 9.96 35.9 25.5 26.144.6 13,200 10.0 16.0			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	9.2 13.4 1.55 2.9 10.0 ^a 13 28.8 3,073	14.7 21.6 4.57 30.0 1,354	20.9 92.4 9.96 35.9 25.9 26.1 144.6 13,200 10.0 16.0 18.2			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Access Hixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	9.2 13.4 1.55 2.9 10.0° 13 28.8 3,073 	14.7 21.6 4.57 30.0 1,354	20.9 92.4 9.96 35.8 25.8 2.6 144.6 13,200 10.0 18.2			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods imports)	9.2 13.4 1.55 2.9 10.0° 13 28.8 3,073 7.3 6.1	14.7 21.6 4.57 30.0 1,354	20.9 92.2 9.96 35.9 25.5 2.6 144.6 13,200 10.0 16.0 13.5 13.5			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	9.2 13.4 1.55 2.9 10.0° 13 28.8 3,073 	14.7 21.6 4.57 30.0 1,354	20.9 92.2 9.96 35.9 25.5 2.6 144.6 13,200 10.0 16.0 13.5 13.5			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods imports)	9.2 13.4 1.55 2.9 10.0° 13 28.8 3,073 7.3 6.1	14.7 21.6 4.57 30.0 1,354	20.9 20.9 92.4 9.96 35.9 25.5 26.6 144.6 13,200 10.0 18.2 13.8 28.3 0.46			

Uganda

Low-

Sub-Saharan Africa Low income

			Low- income		
	Countr	Country data		ountry data	
	2005	2011	2011		
Economic and social context					
Population (millions)	28	35			
Urban population (% of total)	13	16	28		
GNI per capita, World Bank Atlas method (\$)	300	510	571		
GDP growth, 2000-05 and 2005-11 (avg. annual %)	6.9	7.8	5.8		
Adult literacy rate (% ages 15 and older)	71	73	63		
Gross primary, secondary, tertiary school enrollment (%)	65	69	58		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Mixed	Mixed			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)	Р	C			
Mobile telephone service	Р	C			
Internet service	С	C			
Foreign ownership (not allowed, restricted, allowed)	Α	A			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A			
Sector efficiency and capacity			-		
Telecommunications revenue (% of GDP)	3.1	3.6			
Telecommunications investment (% of revenue)	23.4	33.6			
Sector performance					
Access					
Fixed-telephone subscriptions (per 100 people)	0.3	1.3			
Mobile-cellular telephone subscriptions (per 100 people)	4.6	48.4			
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.10	0.12		
Households with a computer (%)	1.2				
Households with Internet access at home (%)		0.2			
Usage					
Int'l. voice traffic, total (minutes/subscription/month)					
Domestic mobile traffic (minutes/subscription/month)	119.4	65.8	86.3		
Individuals using the Internet (%) Quality	1.7	13.0	a 6.0		
Population covered by a mobile-cellular network (%)	70	100			
Fixed (wired)-broadband subscriptions (% of total Internet)	8.9	40.0	24.5		
International Internet bandwidth (bit/s per Internet user)	122	4,206	a 2,941		
Affordability					
Fixed-telephone sub-basket (\$ a month)		10.7	9.6		
Mobile-cellular sub-basket (\$ a month)		10.5			
Fixed-broadband sub-basket (\$ a month)		16.3	42.8		
Trade					
ICT goods exports (% of total goods exports)	2.0	6.4			
ICT goods imports (% of total goods imports)	7.5	7.8			
ICT service exports (% of total service exports)	13.4	13.8	18.6		
Applications	0.24	0.00	0.00		
Online service index (0–1, 1=highest presence)	0.31	0.29			
Secure Internet servers (per million people)	0.0	1.5	0.8		

Ukraine

-	ower m	wer middle ir		
	Countr	v data	Lower middle- income	
	2005	2011	group 2011	
Economic and social context	2003	2011	2011	
Population (millions)	47	46	2,533	
Urban population (% of total)	68	69	,	
GNI per capita, World Bank Atlas method (\$)	1,540	3,130		
GDP growth, 2000–05 and 2005–11 (avg. annual %)	8.0	0.4		
Adult literacy rate (% ages 15 and older)	99	100		
Gross primary, secondary, tertiary school enrollment (%)	88	92		
Sector structure				
Separate telecommunications/ICT regulator	Yes	Yes		
Status of main fixed-line operator	Public	Mixed		
Level of competition (competition, partial comp., monopoly)				
International gateway(s)		C		
Mobile telephone service	С	C		
Internet service		C		
Foreign ownership (not allowed, restricted, allowed)		A		
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A		
Sector efficiency and capacity				
Telecommunications revenue (% of GDP)	5.9	3.5	2.5	
Telecommunications investment (% of revenue)	32.8	14.2	29.0	
Sector performance Access				
Access Fixed-telephone subscriptions (per 100 people)	24.9	28.1		
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	64.0	123.0	80.1	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	64.0 0.28	123.0 7.01	80.1 1.25	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	64.0 0.28 11.5	123.0 7.01 25.2	80.1 1.25 <i>10.7</i>	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	64.0 0.28	123.0 7.01	80.1 1.25 <i>10.7</i>	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	64.0 0.28 11.5	123.0 7.01 25.2	80.1 1.25 10.7 7.7	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	64.0 0.28 11.5 5.0	123.0 7.01 25.2 22.2	80.1 1.25 10.7 7.7	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	64.0 0.28 11.5 5.0	123.0 7.01 25.2 22.2	80.1 1.25 10.7 7.7	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	64.0 0.28 11.5 5.0	123.0 7.01 25.2 22.2	80.1 1.25 10.7 7.7	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	64.0 0.28 11.5 5.0	123.0 7.01 25.2 22.2	80.1 1.25 10.7 7.7 6.5	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	64.0 0.28 11.5 5.0 	123.0 7.01 25.2 22.2	80.1 1.25 10.7 7.7 6.5 16.2	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	64.0 0.28 11.5 5.0 3.7	123.0 7.01 25.2 22.2 30.6	80.1 1.25 10.7 7.7 6.5 16.2	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	64.0 0.28 11.5 5.0 3.7 96 3.5	123.0 7.01 25.2 22.2 30.6 100 75.8	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 a 6,560	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	64.0 0.28 11.5 5.0 3.7 96 3.5 463 ^a	123.0 7.01 25.2 22.2 30.6 100 75.8 9,835	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	64.0 0.28 11.5 5.0 3.7 96 3.5 463 ^a	123.0 7.01 25.2 22.2 30.6 100 75.8 9,835	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	64.0 0.28 11.5 5.0 3.7 96 3.5 463 ^a	123.0 7.01 25.2 22.2 30.6 100 75.8 9,835 2.9 6.5	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	64.0 0.28 11.5 5.0 3.7 96 3.5 463 ^a	123.0 7.01 25.2 22.2 30.6 100 75.8 9,835 2.9 6.5	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 a 6,560 5.1 11.3	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	64.0 0.28 11.5 5.0 3.7 96 3.5 463 ^a	123.0 7.01 25.2 22.2 30.6 100 75.8 9,835 2.9 6.5 7.6	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	64.0 0.28 11.5 5.0 3.7 96 3.5 463 ^a 	123.0 7.01 25.2 22.2 30.6 100 75.8 9,835 2.9 6.5 7.6	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	64.0 0.28 11.5 5.0 3.7 96 3.5 463 ^a 	123.0 7.01 25.2 22.2 30.6 100 75.8 9,835 2.9 6.5 7.6	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6	
Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	64.0 0.28 11.5 5.0 3.7 96 3.5 463 ^a 	123.0 7.01 25.2 22.2 30.6 100 75.8 9,835 2.9 6.5 7.6	80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 a 6,560 5.1 11.3 21.6 5.7 6.7	

United Arab Emirates

	Country	Country data		Country data		Country data	
	2005	2011	group 2011				
Economic and social context							
Population (millions)	4	8	1,135				
Urban population (% of total)	82	84	80				
GNI per capita, World Bank Atlas method (\$)	42,280	40,760	39,860				
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.8	2.7	0.7				
Adult literacy rate (% ages 15 and older)	90		98				
Gross primary, secondary, tertiary school enrollment (%)			94				
Sector structure							
Separate telecommunications/ICT regulator	Yes	Yes					
Status of main fixed-line operator	Mixed	Mixed					
Level of competition (competition, partial comp., monopoly)							
International gateway(s)	Р	Р					
Mobile telephone service	P	Р					
Internet service	Р	Р					
Foreign ownership (not allowed, restricted, allowed)		R					
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	А					
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)	1.9	2.1	2.6				
Telecommunications investment (% of revenue)	9.8	21.7	15.8				
Sector performance							
Access							
Fixed-telephone subscriptions (per 100 people)	30.4	23.1	47.3				
Mobile-cellular telephone subscriptions (per 100 people)	111.4	148.6	114.1				
Fixed (wired)-broadband subscriptions (per 100 people)	3.18	10.99	27.30				
Households with a computer (%)	36.5ª	76.0	77.3				
Households with Internet access at home (%)	30.4ª	67.0	74.3				
Usage		FO 4					
Int'l. voice traffic, total (minutes/subscription/month)		53.1	1046				
Domestic mobile traffic (minutes/subscription/month)	40.02	119.3 70.0					
Individuals using the Internet (%)	40.0a	70.0	15.8				
Quality Papulation severed by a mobile callular naturals (%)	100	100	100				
Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	24.5	65.5	95.0				
	3,142	27,609	70,726				
International Internet bandwidth (bit/s per Internet user) Affordability	3,142	21,009	10,126				
Fixed-telephone sub-basket (\$ a month)		4.1	23.8				
Mobile-cellular sub-basket (\$ a month)		9.1	23.9				
Fixed-broadband sub-basket (\$ a month)		40.6	26.6				
Trade							
ICT goods exports (% of total goods exports)	4.3	2.0	9.6				
ICT goods imports (% of total goods imports)	8.1	4.5	11.2				
ICT service exports (% of total service exports)			30.6				
Applications							
Online service index (0-1, 1=highest presence)	0.63	0.86	0.67				
Secure Internet servers (per million people)	54.8	206.8	1,067.1				

United Kingdom

	Count	ry data	High- income
	2005	2011	group 2011
Economic and social context	2000	2011	
Population (millions)	60	63	1,135
Urban population (% of total)	79	80	
GNI per capita, World Bank Atlas method (\$)	39,030	37,780	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	3.0	0.2	0.7
Adult literacy rate (% ages 15 and older)			98
Gross primary, secondary, tertiary school enrollment (%)	92	92	94
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Private	Private	
Level of competition (competition, partial comp., monopoly) International gateway(s)			
Mobile telephone service	 C	 C	
Internet service	C		
Foreign ownership (not allowed, restricted, allowed)	A	Α	
Reg. treatment of VoIP (banned, closed, no framework, allowed)		A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.7	1.8	2.6
Telecommunications investment (% of revenue)		13.4	15.8
Sector performance			
Access	F0.0	F0.0	47.0
Fixed-telephone subscriptions (per 100 people)	56.6 108.8	53.3 130.8	
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	16.44	32.74	
Households with a computer (%)	70.0	84.6	
Households with Internet access at home (%)	60.2	85.1	
Usage	00.2	00.1	14.0
Int'l. voice traffic, total (minutes/subscription/month)			
Domestic mobile traffic (minutes/subscription/month)	87.6	126.2	
Individuals using the Internet (%)	70.0	82.0	75.8
Quality			
Population covered by a mobile-cellular network (%)	99	100	
Fixed (wired)-broadband subscriptions (% of total Internet)	60.7	100.0	
International Internet bandwidth (bit/s per Internet user) Affordability	52,895	166,073	^a 70,726
Fixed-telephone sub-basket (\$ a month)		33.1	23.8
Mobile-cellular sub-basket (\$ a month)		38.0	
Fixed-broadband sub-basket (\$ a month)		20.0	
Trade		20.0	20.0
ICT goods exports (% of total goods exports)	14.0	5.0	9.6
ICT goods imports (% of total goods imports)	12.3	8.2	
ICT service exports (% of total service exports)	37.6	39.4	
Applications			
Online service index (0-1, 1=highest presence)	0.79	0.97	0.67
Secure Internet servers (per million people)	466.0	1,534.1	1,067.1

United States

	Countr	Country data		Fountry data	
	2005	2011	group 2011		
Economic and social context					
Population (millions)	296	312	1,135		
Urban population (% of total)	81	82	80		
GNI per capita, World Bank Atlas method (\$)	44,670	48,620	39,860		
GDP growth, 2000-05 and 2005-11 (avg. annual %)	2.5	0.5	0.7		
Adult literacy rate (% ages 15 and older)			98		
Gross primary, secondary, tertiary school enrollment (%)	94	98	94		
Sector structure					
Separate telecommunications/ICT regulator	Yes	Yes			
Status of main fixed-line operator	Private	Private			
Level of competition (competition, partial comp., monopoly)					
International gateway(s)		С			
Mobile telephone service	С	С			
Internet service	С	С			
Foreign ownership (not allowed, restricted, allowed)	Α	Α			
Reg. treatment of VoIP (banned, closed, no framework, allowed)	Α	Α			
Sector efficiency and capacity					
Telecommunications revenue (% of GDP)	3.0	2.8	2.6		
Telecommunications investment (% of revenue)	18.7	17.6	15.8		
Sector performance					
Access	59.0	46.6	47.3		
Fixed-telephone subscriptions (per 100 people)		92.7	114.1		
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	68.6 17.23	27.35	27.30		
	67.1	75.5°			
Households with a computer (%)	58.1a	71.6			
Households with Internet access at home (%)	36.1	71.0	14.3		
Usage	20.1	16.9			
Int'l. voice traffic, total (minutes/subscription/month)		383.7	 184.6		
Domestic mobile traffic (minutes/subscription/month)	68.0a	303.7 77.9			
Individuals using the Internet (%)	06.0	11.9	15.6		
Quality Population covered by a mobile collular naturals (%)	99	100	100		
Population covered by a mobile-cellular network (%)	90.0	96.1	95.0		
Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	7,217a		70,726		
Affordability	1,211	41,114	10,126		
Fixed-telephone sub-basket (\$ a month)		13.8	23.8		
Mobile-cellular sub-basket (\$ a month)		35.7	23.9		
Fixed-broadband sub-basket (\$ a month)		20.0	26.6		
Trade		20.0	20.0		
	14.3	9.5	9.6		
ICT goods exports (% of total goods exports)	13.7	12.8	11.2		
ICT goods imports (% of total goods imports) ICT service exports (% of total service exports)	19.4	20.3	30.6		
	19.4	20.3	30.0		
Applications Online service index (0–1, 1=highest presence)	0.86	1.00	0.67		
	785.2				
Secure Internet servers (per million people)	100.2	1,301.9	1,068.0		

Uruguay

Latin America & Caribbean l	Jpper m	iddle i	ncome
	Countr	v data	Upper middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	3	3	2,490
Urban population (% of total)	92	93	,
GNI per capita, World Bank Atlas method (\$)	4,740	11,860	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-0.0	5.8	
Adult literacy rate (% ages 15 and older)	98	98	94
Gross primary, secondary, tertiary school enrollment (%)	91	90	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	С	
Internet service	С	Р	
Foreign ownership (not allowed, restricted, allowed)	Α		
Reg. treatment of VoIP (banned, closed, no framework, allowed) No	Α	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	3.8	2.6	2.7
Telecommunications investment (% of revenue)	8.0	55.7	17.8
Sector performance Access Fixed-telephone subscriptions (per 100 people)	30.3	28.5	20.9
Mobile-cellular telephone subscriptions (per 100 people)	34.8	140.8	
Fixed (wired)-broadband subscriptions (per 100 people)	1.46	13.47	
Households with a computer (%)	24.3	52.8	
Households with Internet access at home (%)	13.4	33.3	
Usage			
Int'l. voice traffic, total (minutes/subscription/month)	8.9	6.1	2.6
Domestic mobile traffic (minutes/subscription/month)	28.1	91.3	144.6
Individuals using the Internet (%)	20.1	51.4	38.2
Quality			
Population covered by a mobile-cellular network (%)	100	100	98
Fixed (wired)-broadband subscriptions (% of total Internet)	27.8	100.0	84.6
International Internet bandwidth (bit/s per Internet user) Affordability	2,397	32,078	13,200
Fixed-telephone sub-basket (\$ a month)		13.0	10.0
Mobile-cellular sub-basket (\$ a month)		21.4	
Fixed-broadband sub-basket (\$ a month)		19.3	
Trade		10.0	10.2
ICT goods exports (% of total goods exports)	0.1	0.1	13.9
ICT goods imports (% of total goods imports)	6.3	6.4	
ICT service exports (% of total service exports)	11.6	11.9	
Applications	11.0	11.3	20.0
Online service index (0-1, 1=highest presence)	0.56	0.55	0.46
Secure Internet servers (per million people)	27.2	84.3	
monocourtere (por minori pouplie)	-1	01.0	10.0

Uzbekistan

	UZUEKISLAII
Europe & Central Asia	Lower middle income

	0		Lower middle- income
-	Country 2005	y data 2011	group 2011
Economic and social context			
Population (millions)	26	29	2,533
Urban population (% of total)	37	36	,
GNI per capita, World Bank Atlas method (\$)	530	1,510	
GDP growth, 2000-05 and 2005-11 (avg. annual %)	5.3	8.5	,
Adult literacy rate (% ages 15 and older)	99	99	71
Gross primary, secondary, tertiary school enrollment (%)	74	71	63
Sector structure			
Separate telecommunications/ICT regulator	No	No	1
Status of main fixed-line operator	Public	Public	:
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service	С	C	:
Internet service			
Foreign ownership (not allowed, restricted, allowed)		-	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	No	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.2		
Telecommunications investment (% of revenue)	31.7	•	. 29.0
Sector performance			
Access	0.0	0.0	
Fixed-telephone subscriptions (per 100 people)	6.9	6.9	
Mobile-cellular telephone subscriptions (per 100 people)	2.8	91.6	
Fixed (wired)-broadband subscriptions (per 100 people)	0.03a	0.53	
Households with a computer (%)		3.2	
Households with Internet access at home (%)			. 7.7
Usage			6.5
Int'l. voice traffic, total (minutes/subscription/month)	••	154.3	. 6.5
Domestic mobile traffic (minutes/subscription/month)	3.3	30.2	
Individuals using the Internet (%)	3.3	30.2	10.2
Quality Population covered by a mobile-cellular network (%)	75	93	86
Fixed (wired)-broadband subscriptions (% of total Internet)	1.0	3.2	
International Internet bandwidth (bit/s per Internet user)	165	579	
Affordability	100	513	0,500
Fixed-telephone sub-basket (\$ a month)		0.9	5.1
Mobile-cellular sub-basket (\$ a month)		3.4	11.3
Fixed-broadband sub-basket (\$ a month)		200.0	21.6
Trade			
ICT goods exports (% of total goods exports)			. 5.7
ICT goods imports (% of total goods imports)			6.7
ICT service exports (% of total service exports)			43.4
Applications			
Online service index (0-1, 1=highest presence)	0.41	0.50	0.32
Secure Internet servers (per million people)	0.0	0.8	3.5
Goodie internet solvers (per minion people)	0.0	0.0	

Vanuatu

	Lower middle in		
			Lower
	Countr	y data	middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	0.21	0.25	2,533
Urban population (% of total)	23	25	39
GNI per capita, World Bank Atlas method (\$)	1,760	2,730	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.1	4.3	6.2
Adult literacy rate (% ages 15 and older)	78	83	71
Gross primary, secondary, tertiary school enrollment (%)	63		63
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Mixed	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)		C	
Mobile telephone service		C	
Internet service		C	
Foreign ownership (not allowed, restricted, allowed)		R	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	A	
Sector efficiency and capacity			
	3.5	5.1	2.5
Telecommunications revenue (% of GDP)			
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance	20.0	9.1	
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	3.3	9.1	29.0
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	3.3 6.0	9.1 2.5 55.8	29.0 5.6 80.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	3.3	9.1 2.5 55.8 0.12	5.6 80.1 1.25
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	3.3 6.0	9.1 2.5 55.8	5.6 80.1 1.25
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	3.3 6.0 0.03	9.1 2.5 55.8 0.12	5.6 80.1 1.25 10.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	3.3 6.0 0.03	9.1 2.5 55.8 0.12 7.8	5.6 80.1 1.25 10.7 7.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	3.3 6.0 0.03 	9.1 2.5 55.8 0.12 7.8	5.6 80.1 1.25 10.7 7.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	3.3 6.0 0.03 	9.1 2.5 55.8 0.12 7.8 3.5	5.6 80.1 1.25 10.7 7.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	3.3 6.0 0.03 	9.1 2.5 55.8 0.12 7.8 3.5	5.6 80.1 1.25 10.7 7.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	3.3 6.0 0.03 	9.1 2.5 55.8 0.12 7.8 3.5	5.6 80.1 1.25 10.7 7.7 6.5
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	3.3 6.0 0.03 5.1	9.1 2.5 55.8 0.12 7.8 3.5 4.8	5.6 80.1 1.25 10.7 7.7 6.5 16.2
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	3.3 6.0 0.03 5.1	9.1 2.5 55.8 0.12 7.8 3.5 4.8 8.0	5.6 80.1 1.25 10.7 7.1 6.5 86 58.8
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	3.3 6.0 0.03 5.1 20 3.7	9.1 2.5 55.8 0.12 7.8 3.5 4.8 8.0	5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with lnternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	3.3 6.0 0.03 5.1 20 3.7 373	9.1 2.5 55.8 0.12 7.8 3.5 4.8 8.0 90 14.8 2,764	29.0 5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with a computer (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	20.0 3.3 6.0 0.03 5.1 20 3.7 373	9.1 2.5 55.8 0.12 7.8 3.5 4.8 8.0 90 14.8 2,764 41.0	29.0 5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	20.0 3.3 6.0 0.03 5.1 20 3.7 373	9.1 2.5 55.8 0.12 7.8 3.5 4.8 8.0 90 14.8 2,764 41.0 25.4	29.0 5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	20.0 3.3 6.0 0.03 5.1 20 3.7 373	9.1 2.5 55.8 0.12 7.8 3.5 4.8 8.0 90 14.8 2,764 41.0 25.4	29.0 5.6 80.1 1.25 10.7 7.7 6.5 58.8 6,560 5.1 11.3 21.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	20.0 3.3 6.0 0.03 5.1 20 3.7 373	9.1 2.5 55.8 0.12 7.8 3.5 4.8 8.0 90 14.8 2,764 41.0 25.4	29.0 5.6 80.1 1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	20.0 3.3 6.0 0.03 5.1 20 3.7 373 0.2	9.1 2.5 55.8 0.12 7.8 3.5 4.8 8.0 90 14.8 2,764 41.0 25.4 171.0	29.0 5.6 80.11 1.25 10.7 7.7 6.5 5.8 6.560 5.11 11.3 21.6 5.7 6.7
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	20.0 3.3 6.0 0.03 5.1 20 3.7 373 0.2 2.8	9.1 2.5 55.8 0.12 7.8 3.5 4.8 8.0 90 14.8 2,764 41.0 25.4 171.0	29.0 5.6 80.11 1.25 10.7 7.7 6.5 16.2 86 58.8 a 6,560 5.1 11.3 21.6
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	20.0 3.3 6.0 0.03 5.1 20 3.7 373 0.2 2.8	9.1 2.5 55.8 0.12 7.8 3.5 4.8 8.0 90 14.8 2,764 41.0 25.4 171.0	29.0 5.6 80.15 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6 5.7 6.7 43.4

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Latin America & Caribbean	Upper middle income

		L m	
	Countr	y data	income group
	2005	2011	2011
Economic and social context			
Population (millions)	27	29	2,490
Urban population (% of total)	92	94	61
GNI per capita, World Bank Atlas method (\$)	4,950	11,820	6,563
GDP growth, 2000-05 and 2005-11 (avg. annual %)	1.5	3.1	6.3
Adult literacy rate (% ages 15 and older)	95	96	94
Gross primary, secondary, tertiary school enrollment (%)	76	89	75
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Mixed	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С		
Mobile telephone service	C	С	
Internet service	C	С	
Foreign ownership (not allowed, restricted, allowed)	A	R C	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	No	· ·	
Sector efficiency and capacity	2.5	0.0	0.
Telecommunications revenue (% of GDP)	3.5	2.9	2.
Telecommunications investment (% of revenue)	27.5	11.6	17.8
Telecommunications investment (% of revenue) Sector performance	27.5	11.6	17.8
Sector performance Access			
Sector performance Access Fixed-telephone subscriptions (per 100 people)	13.7	24.9	20.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	13.7 46.9	24.9 97.8	20.9 92.4
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	13.7 46.9	24.9 97.8 6.17	20.9 92.4 9.90
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	13.7 46.9 10.3	24.9 97.8 6.17 17.3	20.9 92.4 9.90 35.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%)	13.7 46.9	24.9 97.8 6.17	20.9 92.4 9.90 35.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%)	13.7 46.9 10.3	24.9 97.8 6.17 17.3	20.9 92.4 9.90 35.8 25.8
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage	13.7 46.9 10.3 2.5	24.9 97.8 6.17 17.3 ² 11.0 ²	20.9 92.4 9.96 35.9 25.9
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	13.7 46.9 10.3 2.5	24.9 97.8 6.17 17.3° 11.0°	20.9 92.4 9.96 35.9 25.8 2.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	13.7 46.9 10.3 2.5 6.3 91.6	24.9 97.8 6.17 17.3° 11.0° 3.8 63.2	20.9 92.4 9.96 35.9 25.8 2.6
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	13.7 46.9 10.3 2.5 6.3 91.6	24.9 97.8 6.17 17.3° 11.0° 3.8 63.2	20.9 92.4 9.90 35.8 25.8 2.0 144.4 38.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Usage Unt'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	13.7 46.9 10.3 2.5 6.3 91.6 12.6	24.9 97.8 6.17 17.3 ³ 11.0 ⁵ 3.8 63.2 40.2	20.9 92.4 9.90 35.8 25.8 2.1 144.4 38.2 98
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	13.7 46.9 10.3 2.5 6.3 91.6 12.6	24.9 97.8 6.17 17.3 ³ 11.0 ⁵ 3.8 63.2 40.2	20.9 92.4 9.90 35.8 25.8 2.1 144.4 38.2 98
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	13.7 46.9 10.3 2.5 6.3 91.6 12.6 90 399 ^a	24.9 97.8 6.17 17.3° 11.0° 3.8 63.2 40.2 89.1 8,108°	20.9 92.4 9.90 35.8 25.8 2.1 144.0 38.2 98 84.0 13,200
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	13.7 46.9 10.3 2.5 6.3 91.6 12.6	24.9 97.8 6.17 17.3 ³ 11.0 ⁵ 3.8 63.2 40.2	20.9 92.4 9.96 35.9 25.5 2.6 144.6 38.2 98 84.6 13,200
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	13.7 46.9 10.3 2.5 6.3 91.6 12.6 90 399a	24.9 97.8 6.17 17.3° 11.0° 3.8 63.2 40.2 89.1 8,1086	20.9 92.4 9.96 35.9 25.8 2.6 144.6 38.2 98 84.6 13,200
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	13.7 46.9 10.3 2.5 6.3 91.6 12.6 90 399a	24.9 97.8 6.17 17.3 ³ 11.0 ⁶ 3.8 63.2 40.2 89.1 8,108 ₆	20.9 92.4 9.96 35.9 25.8 2.6 144.6 38.2 98 84.6 13,200
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	13.7 46.9 10.3 2.5 6.3 91.6 12.6 90 399a	24.9 97.8 6.17 17.3 ³ 11.0 ⁶ 3.8 63.2 40.2 89.1 8,108 ₆	20.9 92.4 9.96 35.5 2.6 144.6 38.2 98 84.6 13,200 10.0 16.0 18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'I. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	13.7 46.9 10.3 2.5 6.3 91.6 12.6 90 399 ^a	24.9 97.8 6.17 17.3 ³ 11.0 ⁶ 3.8 63.2 40.2 89.1 8,108a 1.7 24.6 15.7	20.9 92.4 9.96 35.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	13.7 46.9 10.3 2.5 6.3 91.6 12.6 90 399 ^a 	24.9 97.8 6.17 17.3° 11.0° 3.8 63.2 40.2 89.1 8,108a 1.7 24.6 15.7	20.9 92.4 9.96 35.5 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	13.7 46.9 10.3 2.5 6.3 91.6 12.6 90 399 ^a 	24.9 97.8 6.17 17.3* 11.0* 3.8 63.2 40.2 89.1 8,108a 1.7 24.6 15.7 0.0 6.4	20.9 92.4 9.96 35.5 25.5 2.6 144.6 38.2 98 84.6 13,200 10.0 18.2
Sector performance Access Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people) Households with a computer (%) Households with laternet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	13.7 46.9 10.3 2.5 6.3 91.6 12.6 90 399 ^a 	24.9 97.8 6.17 17.3* 11.0* 3.8 63.2 40.2 89.1 8,108a 1.7 24.6 15.7 0.0 6.4	25.5

Vietnam

	ower middle incon		ncome
	Countr	v data	Lower middle- income
	2005	2011	group 2011
Economic and social context	2003	2011	2011
Population (millions)	82	88	2,533
Urban population (% of total)	27	31	,
GNI per capita, World Bank Atlas method (\$)	630	1,270	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	7.5	6.7	
Adult literacy rate (% ages 15 and older)	90	93	
Gross primary, secondary, tertiary school enrollment (%)	65	66	
Sector structure			
Separate telecommunications/ICT regulator	No	Yes	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	С	
Mobile telephone service	С	C	
Internet service	С	C	
Foreign ownership (not allowed, restricted, allowed)		R	
Reg. treatment of VoIP (banned, closed, no framework, allowed) C	A	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	4.7	7.1	2.5
Telecommunications investment (% of revenue)			29.0
Sector performance Access			
Fixed-telephone subscriptions (per 100 people)	10.2	11.5	
Mobile-cellular telephone subscriptions (per 100 people)	11.5	143.4	
Fixed (wired)-broadband subscriptions (per 100 people)	0.25	4.32	1.25
Households with a computer (%)	6.3a		
,		16.0	
Households with Internet access at home (%)	1.5ª	16.0 12.5	
,			a 7.7
Households with Internet access at home (%) Usage	1.5ª	12.5	a 7.7
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month)	1.5 ^a	12.5 	a 7.7
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	1.5 ^a 12.7	12.5 	a 7.7
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	1.5 ^a	12.5 35.1	a 7.7 6.5 16.2
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	1.5 ^a 12.7	12.5 35.1	a 7.7 6.5 16.2
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	1.5 ^a 12.7	12.5 35.1	6.5 6.5 16.2 86 58.8
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	1.5 ^a 12.7 70 7.2	12.5 35.1 	6.5 16.2 86 58.8 a 6,560
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	1.5 ^a 12.7 70 7.2 341	12.5 35.1 30.6 9,998	7.7 6.5 16.2 86 58.8 6,560
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month)	1.5ª 12.7 70 7.2 341	12.5 35.1 30.6 9,998	6.5 6.5 16.2 86 58.8 6,560 5.1
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month)	1.5ª 12.7 70 7.2 341	12.5 35.1 30.6 9,998 2.2 4.8	6.5 6.5 16.2 86 58.8 6,560 5.1
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	1.5ª 12.7 70 7.2 341	12.5 35.1 30.6 9,998 2.2 4.8	7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	1.5ª 12.7 70 7.2 341	12.5 35.1 30.6 9,998 2.2 4.8 10.5	7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	1.5ª 12.7 70 7.2 341	12.5 35.1 30.6 9,998 2.2 4.8 10.5	7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)	1.5° 12.7 70 7.2 341 2.8 6.1	12.5 35.1 30.6 9,998 2.2 4.8 10.5 7.9 8.4	7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	1.5° 12.7 70 7.2 341 2.8 6.1	12.5 35.1 30.6 9,998 2.2 4.8 10.5 7.9 8.4	7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6 5.7 6.7 43.4

Virgin Islands (U.S.)

	Country	Country data		Country data		Country data	
-	2005	2011	group 2011				
Economic and social context							
Population (millions)	0.11	0.11	1,135				
Urban population (% of total)	94	95	80				
GNI per capita, World Bank Atlas method (\$)			39,860				
GDP growth, 2000-05 and 2005-11 (avg. annual %)			0.7				
Adult literacy rate (% ages 15 and older)			98				
Gross primary, secondary, tertiary school enrollment (%)			94				
Sector structure							
Separate telecommunications/ICT regulator							
Status of main fixed-line operator							
Level of competition (competition, partial comp., monopoly)							
International gateway(s)							
Mobile telephone service							
Internet service							
Foreign ownership (not allowed, restricted, allowed)							
Reg. treatment of VoIP (banned, closed, no framework, allowed)							
Sector efficiency and capacity							
Telecommunications revenue (% of GDP)			2.6				
Telecommunications investment (% of revenue)			15.8				
Sector performance							
Access	65.6a	69.5	47.3				
Fixed-telephone subscriptions (per 100 people) Mobile-cellular telephone subscriptions (per 100 people)	73.4ª		114.1				
Fixed (wired)-broadband subscriptions (per 100 people)	2.71	8.34°					
			77.3				
Households with a computer (%) Households with Internet access at home (%)	••		74.3				
. ,			14.3				
Usage							
Int'l. voice traffic, total (minutes/subscription/month)			 184.6				
Domestic mobile traffic (minutes/subscription/month)	27.3a	27.4					
Individuals using the Internet (%)	21.3ª	27.4	75.8				
Quality			100				
Population covered by a mobile-cellular network (%)	••		100 95.0				
Fixed (wired)-broadband subscriptions (% of total Internet)	1 5058						
International Internet bandwidth (bit/s per Internet user) Affordability	1,505ª		70,726				
Fixed-telephone sub-basket (\$ a month)			23.8				
Mobile-cellular sub-basket (\$ a month)	••		23.9				
Fixed-broadband sub-basket (\$ a month)	••		26.6				
Trade			20.0				
ICT goods exports (% of total goods exports)			9.6				
ICT goods exports (% of total goods exports)			11.2				
ICT service exports (% of total service exports)			30.6				
Applications			30.0				
Online service index (0-1, 1=highest presence)			0.67				
	209.9	/22 O	1,067.1				
Secure Internet servers (per million people)	203.3	432.8	1,007.1				

West Bank and Gaza

Middle East & North Africa	Lower m	iddle i	ncome
	Countr	v data	Lower middle- income
	2005	2011	group 2011
Economic and social context			
Population (millions)	3	4	2,533
Urban population (% of total)	73	74	
GNI per capita, World Bank Atlas method (\$)	1,340		
GDP growth, 2000-05 and 2005-11 (avg. annual %)	-0.9		
Adult literacy rate (% ages 15 and older)	93	95	
Gross primary, secondary, tertiary school enrollment (%)	80	78	63
Sector structure			
Separate telecommunications/ICT regulator			
Status of main fixed-line operator			
Level of competition (competition, partial comp., monopoly)			
International gateway(s)			
Mobile telephone service			
Internet service			
Foreign ownership (not allowed, restricted, allowed)			
Reg. treatment of VoIP (banned, closed, no framework, allower	d) No	А	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	8.0		2.5
Telecommunications investment (% of revenue)	5.1		29.0
Sector performance			
Access	0.5	0.4	
Fixed-telephone subscriptions (per 100 people)	9.5 16.0	9.4 45.8	
Mobile-cellular telephone subscriptions (per 100 people)			4.05
Fixed (wired)-broadband subscriptions (per 100 people)	0.21 29.5 ^a	50.9	
Households with laterest access at home (%)			
Households with Internet access at home (%) Usage	15.9	30.4	1.1
			6.5
Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)		-	0.0
Individuals using the Internet (%)	16.0a	41.1	a 16.2
Quality	10.0	41.1	10.2
Population covered by a mobile-cellular network (%)	95		. 86
Fixed (wired)-broadband subscriptions (% of total Internet)	9.6		
International Internet bandwidth (bit/s per Internet user)	422		0.500
Affordability	722		0,500
Fixed-telephone sub-basket (\$ a month)			5.1
Mobile-cellular sub-basket (\$ a month)			11.0
Fixed-broadband sub-basket (\$ a month)			04.0
Trade	•		
ICT goods exports (% of total goods exports)	0.5	1.3	5.7
ICT goods imports (% of total goods imports)	2.3	2.8	
ICT service exports (% of total service exports)	27.7	6.0	
Applications	21.1	5.0	10.
Online service index (0-1, 1=highest presence)			0.32
Secure Internet servers (per million people)	0.6	4.9	
Seemscomecourrers (per million people)	0.0	7.3	0.0

Yemen, Rep.

	romon, nop.
Middle East & North Africa	Lower middle income

			Lower middle- income
	Country		group
	2005	2011	2011
Economic and social context			
Population (millions)	21	25	,
Urban population (% of total)	29	32	
GNI per capita, World Bank Atlas method (\$)	690	1,070	
GDP growth, 2000–05 and 2005–11 (avg. annual %)	4.1	2.7	
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%)	55 55	64	71 63
Soctor of westure			
Sector structure Separate telecommunications/ICT regulator	No	No	
Status of main fixed-line operator	Public	Public	
Level of competition (competition, partial comp., monopoly)	FUDIIC	FUDIIC	
International gateway(s)	М	М	
Mobile telephone service	C	C	
Internet service	С	С	
Foreign ownership (not allowed, restricted, allowed)		No	
Reg. treatment of VoIP (banned, closed, no framework, allowed)	В	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	1.2	3.3	2.5
Telecommunications investment (% of revenue)	25.2	29.4	
Sector performance Access Fixed-telephone subscriptions (per 100 people)	4.4a	4.3	5.6
Mobile-cellular telephone subscriptions (per 100 people)	11.0	47.0	
Fixed (wired)-broadband subscriptions (per 100 people)			80.1
	0.01	0.44	
Households with a computer (%)	0.01	0.44 <i>4.0</i>	1.25
			1.25 10.7
Households with a computer (%)		4.0	1.25 10.7
Households with a computer (%) Households with Internet access at home (%)		4.0	1.25 a 10.7 a 7.7
Households with a computer (%) Households with Internet access at home (%) Usage		4.0 2.9	1.25 a 10.7 a 7.7
Households with a computer (%) Households with Internet access at home (%) *Usage** Int'l. voice traffic, total (minutes/subscription/month)		4.0 2.9	1.25 10.7 7.7 6.5
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month)	 14.7 	4.0 2.9 13.4	1.25 10.7 7.7 6.5
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%)	 14.7 	4.0 2.9 13.4	1.25 10.7 7.7 6.5
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality	14.7 1.0a	4.0 2.9 13.4 14.9	1.25 10.7 7.7 6.5
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%)	14.7 1.0a	4.0 2.9 13.4 14.9	1.25 10.7 7.7 6.5 16.2 86 58.8
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet)	 14.7 1.0 ^a 68 1.4	4.0 2.9 13.4 14.9 84 14.4	1.25 10.7 7.7 6.5 16.2 86 58.8
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user)	 14.7 1.0 ^a 68 1.4	4.0 2.9 13.4 14.9 84 14.4	1.25 10.7 7.7 6.5 16.2 86 58.8 6,560
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability	14.7 1.0 ^a 68 1.4 28 ^a	4.0 2.9 13.4 14.9 84 14.4 1,082	1.25 10.7 10.7 6.5 16.2 86 58.8 6,560 5.1
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month)	14.7 1.0 ^a 68 1.4 28 ^a	4.0 2.9 13.4 14.9 84 14.4 1,082	1.25 10.7 10.7 6.5 16.2 86 58.8 6,560 5.1 11.3
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade	14.7 1.0°a 68 1.4 28°a 	4.0 2.9 13.4 14.9 84 14.4 1,082 0.9 11.3 16.7	1.25 10.7 7.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports)	14.7 1.0 ^a 68 1.4 28 ^a 	4.0 2.9 13.4 14.9 84 14.4 1,082 0.9 11.3 16.7	1.25 10.7 6.5 6.5 86 58.8 6,560 5.1 11.3 21.6
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Fixed-broadband sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total goods imports)		4.0 2.9 13.4 14.9 84 14.4 1,082 0.9 11.3 16.7	1.25 10.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)	14.7 1.0 ^a 68 1.4 28 ^a 	4.0 2.9 13.4 14.9 84 14.4 1,082 0.9 11.3 16.7	1.25 10.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports) Applications		4.0 2.9 13.4 14.9 84 14.4 1,082 0.9 11.3 16.7 0.0 1.0 8.7	1.25 10.7 6.5 . 16.2 86 58.8 6,560 5.1 11.3 21.6 5.7 43.4
Households with a computer (%) Households with Internet access at home (%) Usage Int'l. voice traffic, total (minutes/subscription/month) Domestic mobile traffic (minutes/subscription/month) Individuals using the Internet (%) Quality Population covered by a mobile-cellular network (%) Fixed (wired)-broadband subscriptions (% of total Internet) International Internet bandwidth (bit/s per Internet user) Affordability Fixed-telephone sub-basket (\$ a month) Mobile-cellular sub-basket (\$ a month) Trade ICT goods exports (% of total goods exports) ICT goods imports (% of total service exports)		4.0 2.9 13.4 14.9 84 14.4 1,082 0.9 11.3 16.7	1.25 10.7 6.5 16.2 86 58.8 6,560 5.1 11.3 21.6 5.7 43.4

Zambia

Sub-Saharan Africa	Lower m	ncome	
	Countr	Country data	
	2005	2011	group 2011
Economic and social context			
Population (millions)	11	13	2,533
Urban population (% of total)	37	39	39
GNI per capita, World Bank Atlas method (\$)	490	1,160	1,772
GDP growth, 2000-05 and 2005-11 (avg. annual %)	4.8	6.4	6.2
Adult literacy rate (% ages 15 and older)	69	71	71
Gross primary, secondary, tertiary school enrollment (%)			63
Sector structure			
Separate telecommunications/ICT regulator	Yes	Yes	
Status of main fixed-line operator	Public	Mixed	
Level of competition (competition, partial comp., monopoly)			
International gateway(s)	С	C	
Mobile telephone service	Р	C	
Internet service	Р	C	
Foreign ownership (not allowed, restricted, allowed)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed	d) B	В	
Sector efficiency and capacity			
Telecommunications revenue (% of GDP)	2.6	0.1	2.5
Telecommunications investment (% of revenue)	29.3		29.0
Sector performance Access Fixed-telephone subscriptions (per 100 people)	0.8	0.6	5.6
Mobile-cellular telephone subscriptions (per 100 people)	8.3	60.6	
Fixed (wired)-broadband subscriptions (per 100 people)	0.00	0.06	
Households with a computer (%)	1.8	2.4	
Households with Internet access at home (%)	0.1	2.0	
Usage	0.1	2.0	- 1.1
Int'l. voice traffic, total (minutes/subscription/month)		1.9	6.5
Domestic mobile traffic (minutes/subscription/month)	28.2	46.3	
Individuals using the Internet (%)	2.9a	11.5	
Quality	2.5	11.0	10.2
Population covered by a mobile-cellular network (%)	65	62	86
Fixed (wired)-broadband subscriptions (% of total Internet)	31.8	51.4	
International Internet bandwidth (bit/s per Internet user)	67	1,889	
Affordability	07	1,003	0,500
Fixed-telephone sub-basket (\$ a month)		7.5	5.1
Mobile-cellular sub-basket (\$ a month)		20.0	11.3
Fixed-broadband sub-basket (\$ a month)		58.0	21.6
Trade			
ICT goods exports (% of total goods exports)	0.0	0.0	5.7
ICT goods imports (% of total goods imports)	4.6	3.0	6.7
ICT service exports (% of total service exports)	5.5	8.1	43.4
Applications			
Online service index (0-1, 1=highest presence)	0.23	0.31	0.32
Secure Internet servers (per million people)	0.2	2.4	3.5
Secure Internet servers (per million people)	0.2	2.4	

Zimbabwe

Sub-Saharan Africa Low income

Economic and social context Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	13 36 440 -8.5 Yes Public M C C R B	2011 13 39 660 -1.4 92 Yes Public P P C R A	28 571 5.8 63
Population (millions) Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000–05 and 2005–11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	36 440 -8.5 Yes Public M C C R	39 660 -1.4 92 Yes Public P P C	817 28 571 5.8 63 58
Urban population (% of total) GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	36 440 -8.5 Yes Public M C C R	39 660 -1.4 92 Yes Public P P C	28 571 5.8 63
GNI per capita, World Bank Atlas method (\$) GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	440 -8.5 Yes Public M C C R	92 Yes Public P P C R	571 5.8 63
GDP growth, 2000-05 and 2005-11 (avg. annual %) Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	-8.5 Yes Public M C C R	-1.4 92 Yes Public P P C R	5.8 63
Adult literacy rate (% ages 15 and older) Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	Yes Public M C C	92 Yes Public P P C R	63
Gross primary, secondary, tertiary school enrollment (%) Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	Yes Public M C C R	Yes Public P P C R	
Sector structure Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	Yes Public M C C	Yes Public P P C R	58
Separate telecommunications/ICT regulator Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	Public M C C R	Public P P C R	
Status of main fixed-line operator Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	Public M C C R	Public P P C R	
Level of competition (competition, partial comp., monopoly) International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	M C C	P P C R	
International gateway(s) Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	C C R	P C R	
Mobile telephone service Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	C C R	P C R	
Internet service Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	C R	C R	
Foreign ownership (not allowed, restricted, allowed) Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	R	R	
Reg. treatment of VoIP (banned, closed, no framework, allowed) Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)			
Sector efficiency and capacity Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)	В	Δ	
Telecommunications revenue (% of GDP) Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)			
Telecommunications investment (% of revenue) Sector performance Access Fixed-telephone subscriptions (per 100 people)			
Sector performance Access Fixed-telephone subscriptions (per 100 people)			
Access Fixed-telephone subscriptions (per 100 people)			
Fixed-telephone subscriptions (per 100 people)			
	2.6	2.8	1.1
	5.1	72.1	41.7
Mobile-cellular telephone subscriptions (per 100 people) Fixed (wired)-broadband subscriptions (per 100 people)	0.08	0.27	0.12
Households with a computer (%)		5.9	
Households with Internet access at home (%)	2.0	4.0	
Usage	2.0	4.0	
Int'l. voice traffic, total (minutes/subscription/month)		5.5	
Domestic mobile traffic (minutes/subscription/month)	 51.7	31.6	86.3
Individuals using the Internet (%)	8.0a	15.7	6.0
Quality	0.0-	13.1	0.0
Population covered by a mobile-cellular network (%)	70	72	
Fixed (wired)-broadband subscriptions (% of total Internet)	10.6	63.0	24.5
International Internet bandwidth (bit/s per Internet user)	55	1,748	2,941
Affordability		-,	_,
Fixed-telephone sub-basket (\$ a month)		10.1	9.6
Mobile-cellular sub-basket (\$ a month)		20.6	11.9
Fixed-broadband sub-basket (\$ a month)		30.0	42.8
Trade			
ICT goods exports (% of total goods exports)	0.1	0.0	
ICT goods imports (% of total goods imports)	2.5	3.6	
ICT service exports (% of total service exports)			18.6
Applications			
Online service index (0-1, 1=highest presence)		0.13	0.20
Secure Internet servers (per million people)	0.30	3.2	0.8

Notes

- a. ITU estimate.
- b. Excludes South Sudan.
- c. Excludes South Sudan after July 9, 2011.

Glossarv

Adult literacy rate is the percentage of people ages 15 and older who can, with understanding, read and write a short, simple statement about their everyday life. (United Nations Educational, Scientific, and Cultural Organization Institute for Statistics)

Domestic mobile-telephone traffic refers to the total number of minutes of calls made by mobile subscribers within a country (including minutes to fixed-telephone and minutes to mobile-phone subscribers). (International Telecommunication Union)

Fixed-broadband sub-basket refers to the price of the monthly subscription to an entry-level fixed broadband plan. For comparability reasons, the fixed broadband sub-basket is based on a monthly usage of (a minimum of) 1 gigabyte (GB). For plans that limit the monthly amount of data transferred by including caps below 1 gigabyte, the cost for additional bytes is added to the sub-basket. The minimum speed of a broadband connection is 256 kbit/s. (International Telecommunication Union)

Fixed (wired)-broadband subscriptions refers to subscriptions to high-speed access to the public Internet (a TCP/IP connection), at downstream speeds equal to, or greater than, 256 kbit/s. This includes cable modem, DSL, fibre-to-the-home/building and other fixed (wired)-broadband subscriptions. This total is measured irrespective of the method of payment. It excludes subscriptions that have access to data communications (including the Internet) via mobile-cellular networks. It excludes technologies listed under the wireless-broadband category. (International Telecommunication Union)

Fixed-telephone sub-basket refers to the monthly price charged for subscribing to the Public Switched Telephone Network (PSTN), plus the cost of 30 local calls to the same (fixed) network (15 peak and 15 off-peak calls) of three minutes each. The service refers to the traditional fixed telephone line and does not refer to, for example, prices for managed VoIP. (International Telecommunication Union)

Fixed-telephone subscriptions refers to the sum of active number of analog fixed-telephone lines, voice-over-IP (VoIP) subscriptions, fixed wireless local loop (WLL) subscriptions, ISDN voice-channel equivalents, and fixed public payphones. (International Telecommunication Union)

Foreign ownership refers to the allowance of foreign participation or ownership in facility-based and spectrum-based operators as well as in Internet Service Providers (ISPs). (No = not allowed, R = allowed with restrictions, A = allowed without restrictions) (International Telecommunication Union)

GDP growth is the annual percentage growth rate of gross domestic product (GDP) at market prices based on constant local currency. Aggregates are based on constant 2000 U.S. dollars. GDP is the sum of gross value added by all resident producers in the economy plus any product taxes and minus any subsidies not included in the value of the products. It is calculated without

making deductions for depreciation of fabricated assets or for depletion and degradation of natural resources. (World Bank and Organisation for Economic Co-operation and Development)

GNI per capita, *World Bank Atlas* method, is gross national income (GNI) converted to U.S. dollars using the *World Bank Atlas* method divided by the midyear population. GNI is the sum of value added by all resident producers plus any product taxes (less subsidies) not included in the valuation of output plus net receipts of primary income (compensation of employees and property income) from abroad. GNI, calculated in national currency, is usually converted to U.S. dollars at official exchange rates for comparisons across economies. The *World Bank Atlas* method is used to smooth fluctuations in prices and exchange rates. It averages the exchange rate for a given year and the two preceding years, adjusted for differences in rates of inflation between the country and the Euro area, Japan, the United Kingdom, and the United States. (World Bank)

Gross primary, secondary, and tertiary enrollment is the combined number of students enrolled in primary, secondary, and tertiary levels of education, regardless of age, as a percentage of the population of official school age for the three levels. (United Nations Educational, Scientific and Cultural Organization Institute for Statistics)

Households with a computer refers to the percentage of households with a computer at home. A computer includes a desktop, portable, or handheld computer (e.g. a personal digital assistant). It does not include equipment with some embedded computing abilities such as mobile phones or TV sets. (International Telecommunication Union)

Households with Internet access at home refers to the percentage of households with Internet access at home. Access is not assumed to be only via a computer—it may also be by mobile phone, games machine, digital TV, etc. (International Telecommunication Union)

ICT goods exports and imports are goods that are intended to fulfill the function of information processing and communication by electronic means, including transmission and display, or that use electronic processing to detect, measure, or record physical phenomena or to control a physical process. They include telecommunications, audio and video, computer and related equipment; electronic components; and other information and communication technology goods. Software is excluded. Re-exports (exports of foreign goods in the same state as previously imported) are included. (United Nations Conference on Trade and Development)

ICT service exports comprise communications services (telecommunications, business network services, teleconferencing, support services, and postal services) and computer and information services (database, data processing, software design and development, maintenance and repair, and news-related service transactions). (International Monetary Fund)

Individuals using the Internet refers to the percentage of individuals who have used the Internet (from any location) in the last 12 months. Internet can be used via a computer, mobile phone, personal digital assistant, games machine, digital TV, etc. (International Telecommunication Union)

International Internet bandwidth refers to the total used capacity of international Internet bandwidth, in megabits per second (Mbit/s). It is measured as the sum of used capacity of all Internet exchanges (locations where Internet traffic is exchanged) offering international bandwidth. If capacity is asymmetric (i.e. more incoming [downlink] than outgoing [uplink] capacity), then the incoming (downlink) capacity should be provided. (International Telecommunication Union)

International voice traffic, total is the sum of international incoming and outgoing telephone fixed and mobile telephone traffic (in minutes). (International Telecommunication Union)

Level of competition, international gateway, is the level of competition for international gateway(s). International gateway is any facility that provides an interface to send and receive electronic communications (i.e., voice, data and multimedia images/video) traffic between one country's domestic network facilities and those in another country. (M = monopoly, P = partial competition, C = full competition). (International Telecommunication Union)

Level of competition, Internet service, is the level of competition for retail Internet access service. (M = monopoly, P = partial competition, C = full competition). (International Telecommunication Union)

Level of competition, mobile telephone service, is the level of competition for digital cellular mobile services. (M = monopoly, P = partial competition, C = full competition). (International Telecommunication Union)

Mobile cellular and fixed-telephone subscriptions per employee are telephone subscribers (fixed-telephone plus mobile) divided by the total number of telecommunications employees. (International Telecommunication Union)

Mobile-cellular sub-basket refers to the price of a standard basket of mobile monthly usage for 30 outgoing calls per month (on-net, off-net, to a fixed line, and for peak and off-peak times) in predetermined ratios, plus 100 SMS messages. The mobile-cellular sub-basket is based on prepaid tariffs although post-paid tariffs may be used for countries where prepaid subscriptions make up less than three percent of all mobile-cellular subscriptions. The mobile-cellular prepaid sub-basket is largely based, but does not entirely follow, the 2009 methodology of the OECD low-user basket. (International Telecommunication Union)

Mobile-cellular telephone subscriptions refers to the number of subscriptions to a public mobile-telephone service that provide access to the PSTN (public switched telephone network) using cellular technology. The indicator includes (and is split into) the number of postpaid subscriptions, and the

number of active prepaid accounts (i.e. that have been used during the last three months). The indicator applies to all mobile-cellular subscriptions that offer voice communications. It excludes subscriptions via data cards or USB modems, subscriptions to public mobile data services, private trunked mobile radio, telepoint, radio paging, and telemetry services. (International Telecommunication Union)

Online service index measures the level of sophistication of a government's online presence based on four stages of e-government evolution: emerging presence, enhanced presence, transactional presence, and connected presence. A value of 0 indicates the lowest presence, a value of 1 the highest. Data listed for 2011 are for 2012. (United Nations Department of Economic and Social Affairs and United Nations Public Administration Network)

Population is based on the de facto definition of population, which counts all residents regardless of legal status or citizenship, except for refugees not permanently settled in the country of asylum, who are generally considered part of the population of their country of origin. Data are midyear estimates. (World Bank)

Population covered by a mobile-cellular network refers to the percentage of people within range of a mobile-cellular signal, irrespective of whether they are subscribers or users or not. This is calculated by dividing the number of people within range of a mobile-cellular signal by the total population and multiplying by 100. (International Telecommunication Union)

Regulatory treatment of VoIP indicates whether the country has any regulatory treatment on Voice over Internet Protocol (VoIP), a generic term to describe the techniques used to carry voice traffic over IP. The status are categorized as banned, closed, no framework, or allowed. "Closed" means that wholesale VoIP is permitted, but retail VoIP is banned, as well as cases where only the incumbent is licensed to provide VoIP. (B = banned, C = closed, No = no framework, A = allowed) (International Telecommunication Union)

Secure Internet servers are the number of servers using encryption technology for Internet transactions. Data listed for 2011 are for December 2012. (Netcraft)

Separate telecommunications/ICT regulator indicates whether the country has a separate telecommunications/ICT Regulatory Authority independent in terms of finance, structure, and decision making from the operators and the sector Ministry. (International Telecommunication Union)

Status of main fixed-line telephone operator indicates whether the incumbent fixed-line operator is a public or private entity. Public refers to a fully state-owned operator, private refers to a fully private operator, and mixed refers to a partially private operator. (International Telecommunication Union)

Telecommunications investment refers to the investment during the financial year in telecommunication services (including fixed, mobile, and Internet services) for acquiring or upgrading property and networks. Property includes tangible assets such as plant, intellectual and non-tangible assets such as computer software. The indicator is a measure of investment in telecommunication infrastructure in the country, and includes expenditure on initial installations and additions to existing installations where the usage is expected to be over an extended period of time. It excludes expenditure on research and development (R&D), annual fees for operating licenses and the use of radio spectrum. (International Telecommunication Union)

Telecommunications revenue refers to revenue earned from retail fixed telephone, mobile-cellular, Internet, and data services offered by telecommunication operators (both network and virtual) offering services within the country. Revenue (turnover) consists of retail telecommunication service earnings (therefore excluding revenue from wholesaling activities) during the financial year under review. It is calculated as percentage of GDP. (International Telecommunication Union)

Urban population is the midyear population of areas defined as urban in each country and reported to the United Nations. (United Nations)

VoIP is Voice over Internet Protocol, a generic term.

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