



Measuring the Information Society Report 2017

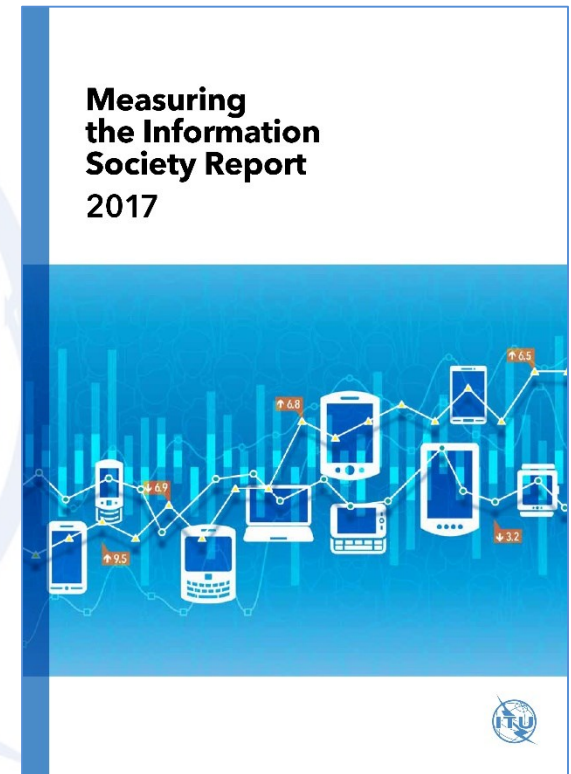


15 November 2017

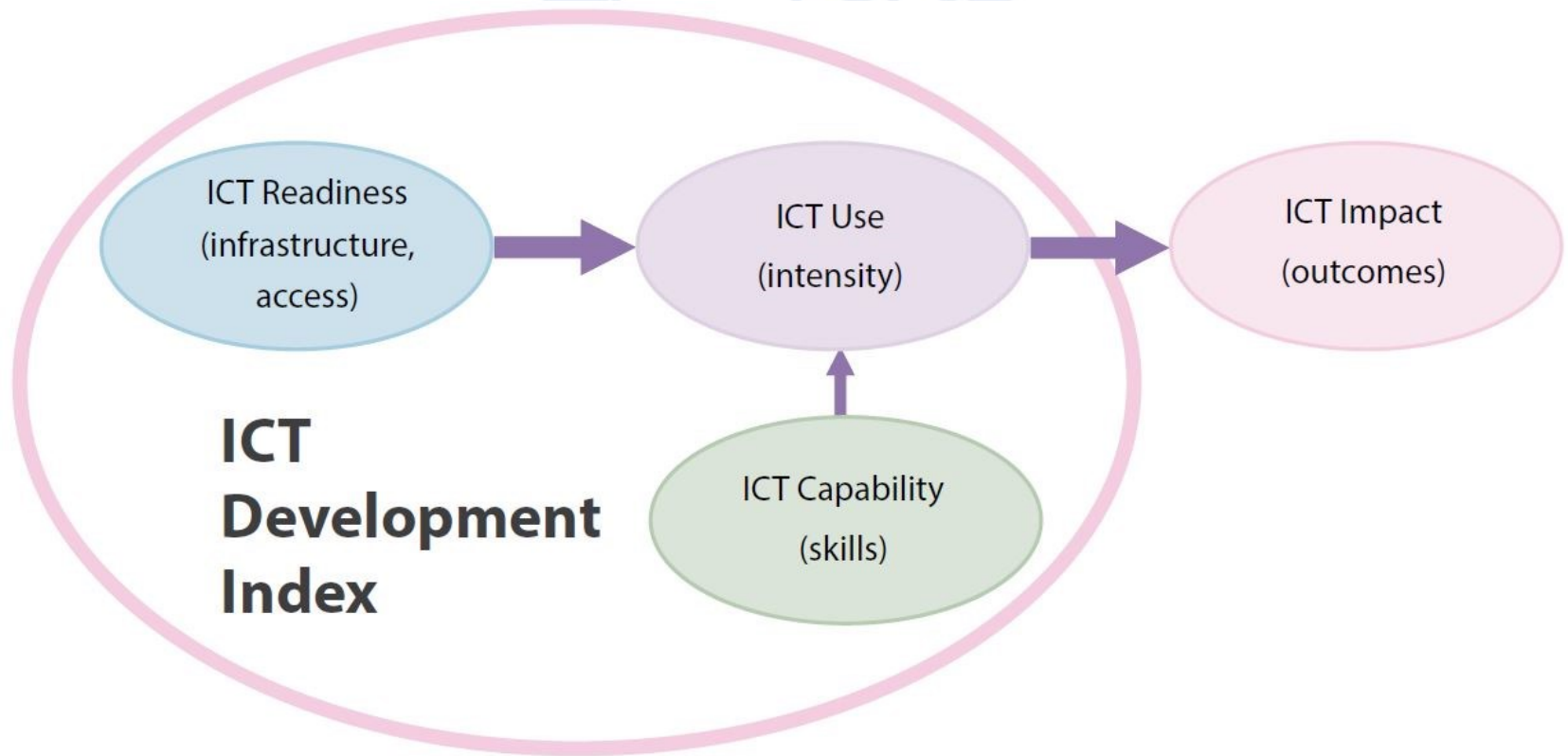
Esperanza Magpantay
Senior Statistician
ICT Data and Statistics Division
BDT/ITU

Index

- The current state of ICTs
- **The ICT Development Index (IDI)**
 - **Global analysis**
 - **Regional analysis**
- Emerging ICT trends
- Country profiles

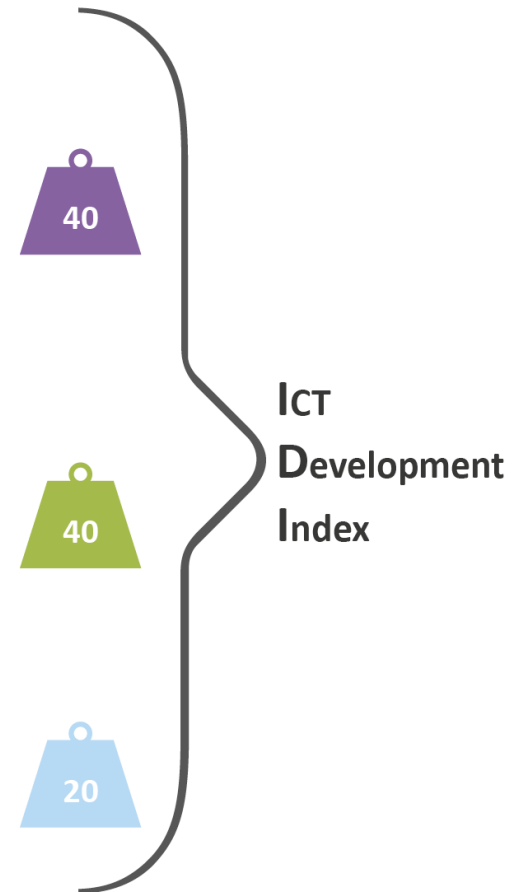


IDI Conceptual Framework



The ICT Development Index (IDI)

ICT access	Reference value	(%)
1. Fixed-telephone subscriptions per 100 inhabitants	60	20
2. Mobile-cellular telephone subscriptions per 100 inhabitants	120	20
3. International Internet bandwidth (bit/s) per internet user	2'158'212*	20
4. Percentage of households with a computer	100	20
5. Percentage of households with Internet access	100	20
ICT use	Reference value	(%)
6. Percentage of individuals using the Internet	100	33
7. Fixed-broadband subscriptions per 100 inhabitants	60	33
8. Active mobile-broadband subscriptions per 100 inhabitants	100	33
ICT skills	Reference value	(%)
9. Mean years of schooling	15	33
10. Secondary gross enrolment ratio	100	33
11. Tertiary gross enrolment ratio	100	33



Note: * This corresponds to a log value of 6.33, which was used in the normalization step.

Source: ITU.

A revised set of indicators will be introduced from IDI 2018



IDI 2017 Top ten

1. Iceland
 - For the first time, Iceland tops the IDI rankings in 2017
2. Korea (Rep.)
3. Switzerland
 - European countries and economies in the Asia-Pacific region take the top places
4. Denmark
5. United Kingdom
6. Hong Kong, China
 - Top performers have high levels of economic prosperity, literacy and other skills that enable citizens to take full advantage of ICTs
7. Netherlands
8. Norway
9. Luxembourg
10. Japan

Most dynamic countries

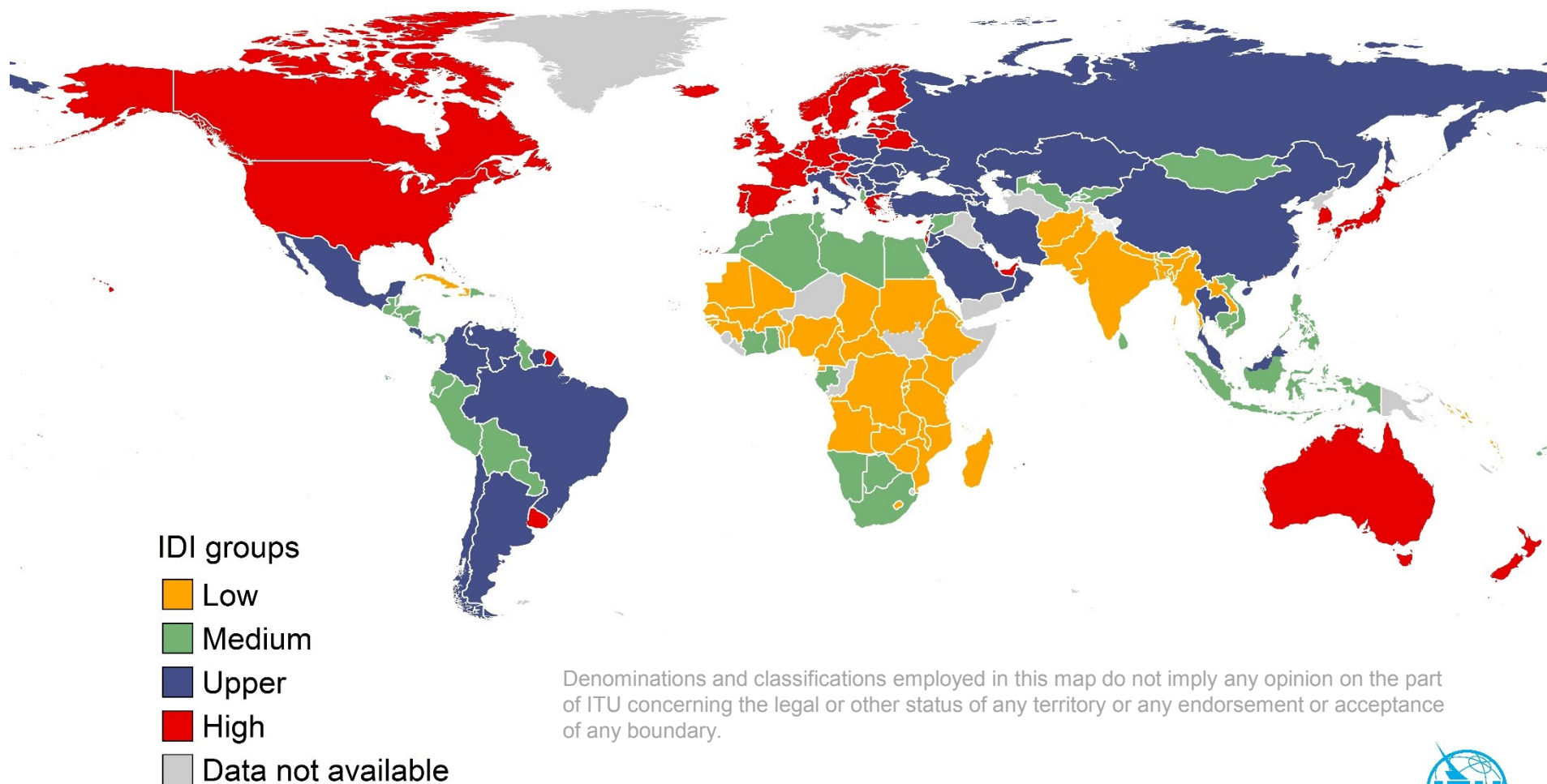
- Improvements were particularly significant in middle-income developing countries
- Most growth in the ICT use sub-index, particularly in mobile broadband

Change in IDI ranking			Change in IDI value (absolute)		
IDI rank 2017	Country	IDI rank change	IDI rank 2017	Country	IDI value change
95	Uzbekistan	8	118	Namibia	0.57
159	Afghanistan	6	81	Iran (I.R.)	0.54
36	Croatia	6	114	Gabon	0.50
88	Suriname	6	139	Lao P.D.R.	0.47
152	Uganda	6	28	Cyprus	0.47
42	Uruguay	6	111	Indonesia	0.47
139	Lao P.D.R.	5	112	Bolivia	0.47
35	Latvia	5	122	Timor-Leste	0.46
135	Myanmar	5	67	Turkey	0.43
118	Namibia	5	80	China	0.42
122	Timor-Leste	5	135	Myanmar	0.42
67	Turkey	5	95	Uzbekistan	0.42
			130	Nicaragua	0.42

Source: ITU.



Disparities in IDI value – LDCs falling behind in ICT development

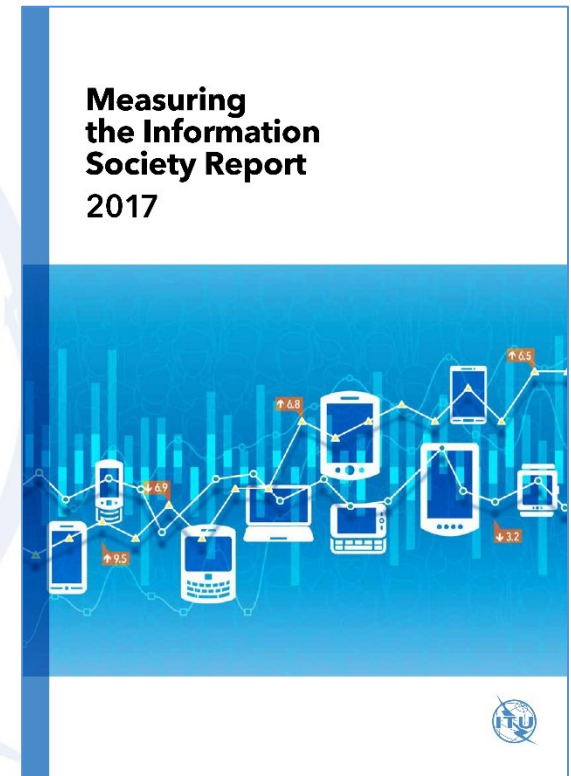


Source: ITU.



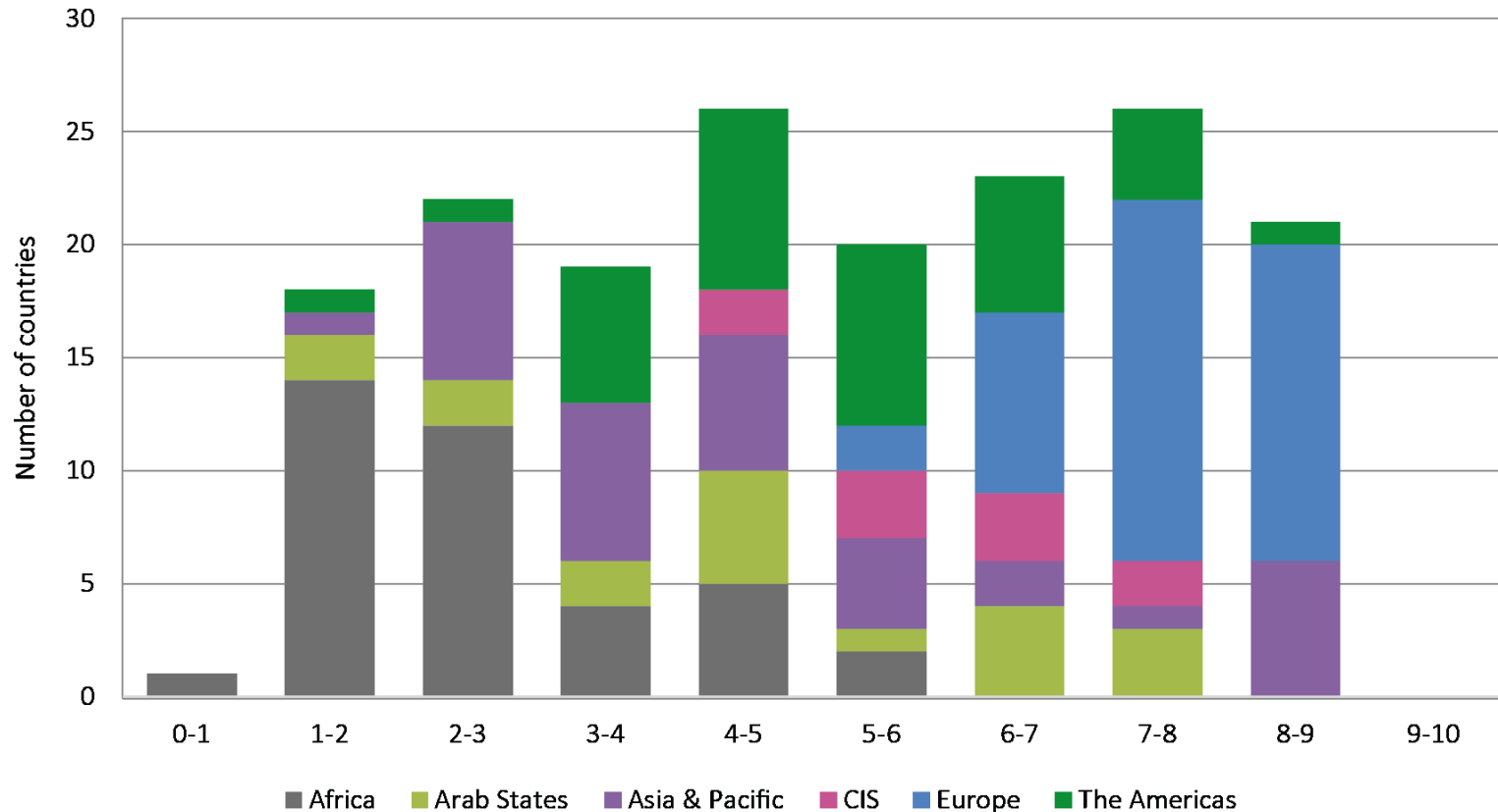
Index

- The current state of ICTs
- **The ICT Development Index (IDI)**
 - Global analysis
 - **Regional analysis**
- Emerging ICT trends
- Country profiles



Regional IDI

Distribution of IDI values



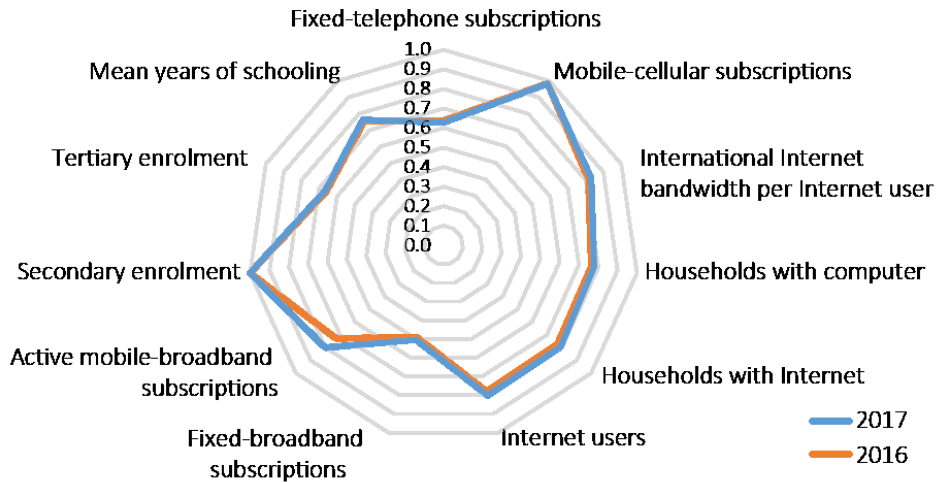
- Considerable differences between geographical regions & countries

Source: ITU.

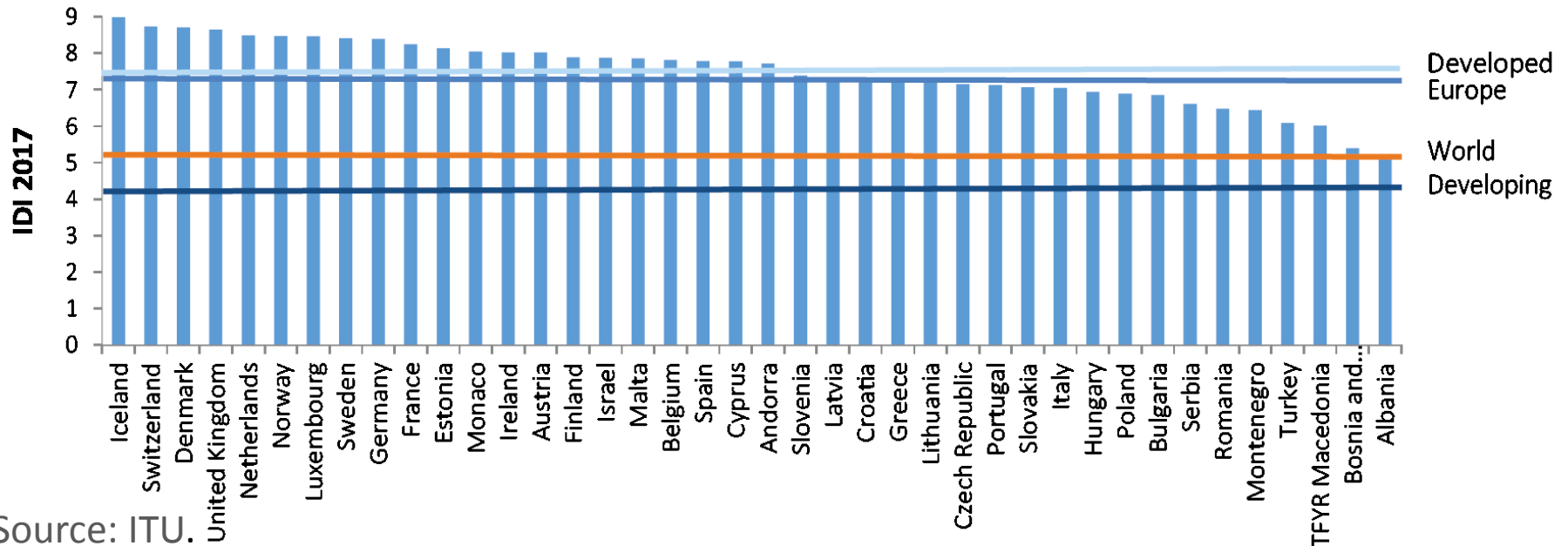


IDI 2017 values – Europe

Europe



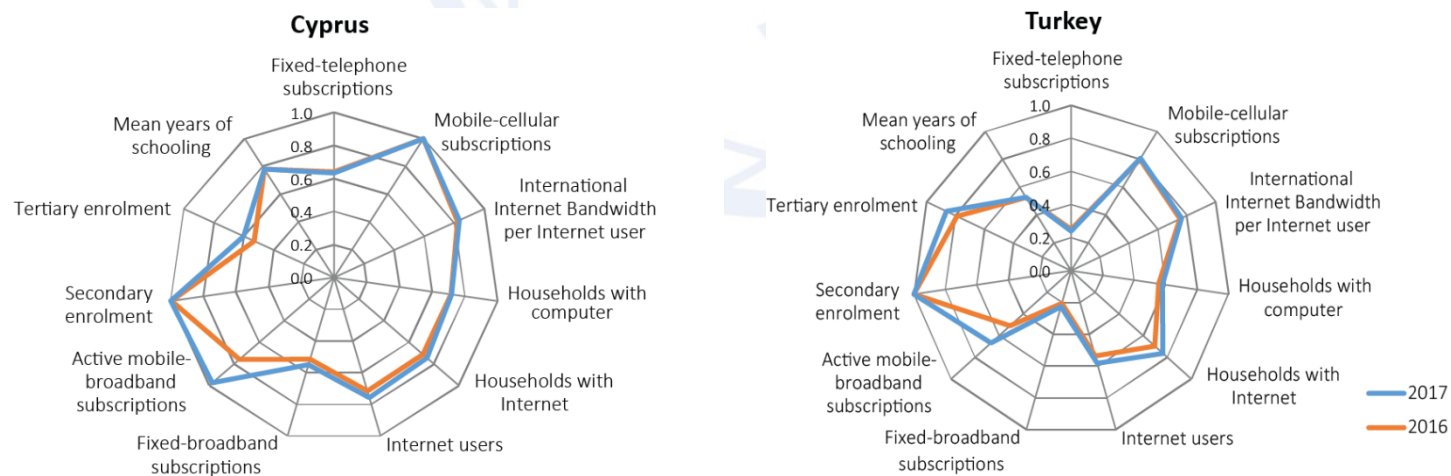
□ Europe continues to lead the way in ICT development



Most dynamic countries – Europe

Change in IDI ranking				Change in IDI value (absolute)			
IDI rank 2017	Rank region	Country	IDI rank change	IDI rank 2017	Rank region	Country	IDI value change
36	24	Croatia	6	28	20	Cyprus	0.47
35	23	Latvia	5	67	37	Turkey	0.43
67	37	Turkey	5	21	14	Austria	0.32
7	5	Netherlands	3	36	24	Croatia	0.28
21	14	Austria	3	58	35	Romania	0.250
28	20	Cyprus	3	44	28	Portugal	0.247
50	33	Bulgaria	3				
58	35	Romania	3				

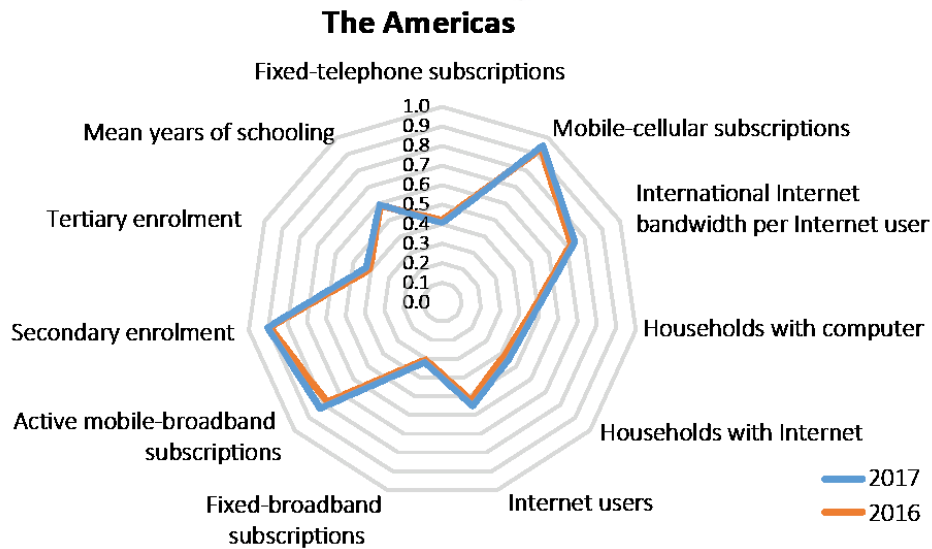
Source: ITU.



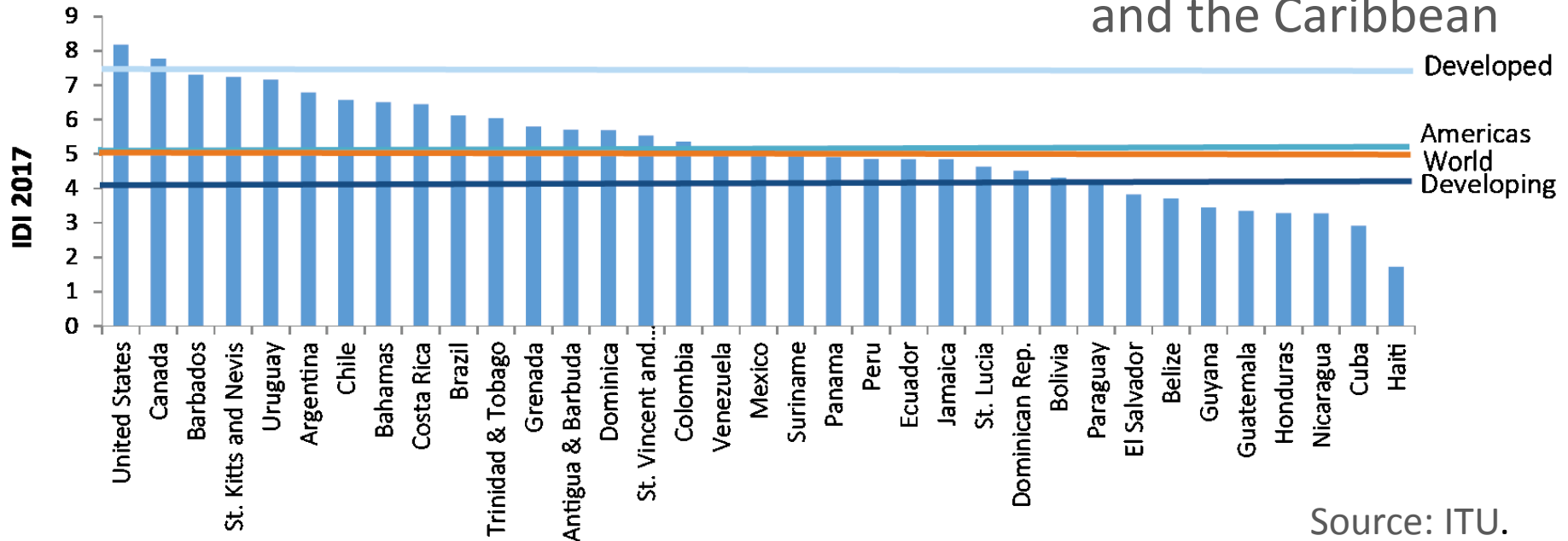
Source: ITU.



IDI 2017 values – the Americas



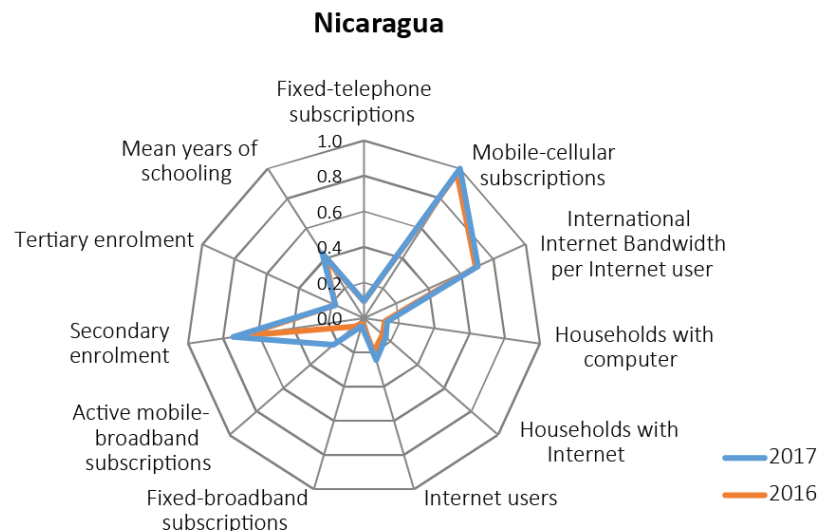
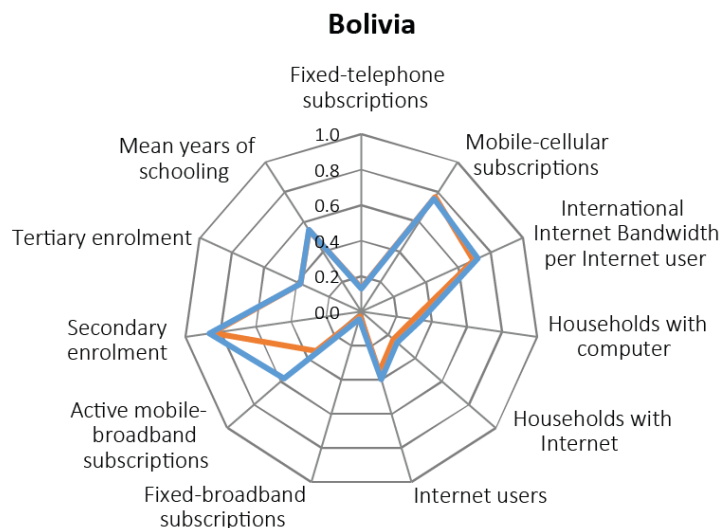
□ The most significant improvements in the Americas region were recorded by middle-ranking countries in South and Central America and the Caribbean



Most dynamic countries – the Americas

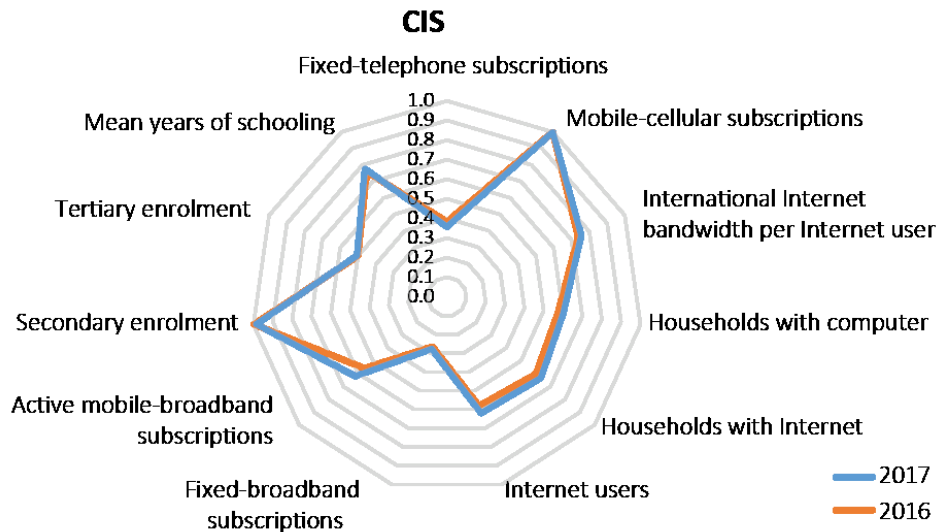
Change in IDI ranking				Change in IDI value (absolute)			
IDI rank 2017	Rank region	Country	IDI rank change	IDI rank 2017	Rank region	Country	IDI value change
42	5	Uruguay	6	112	26	Bolivia	0.47
88	19	Suriname	6	130	33	Nicaragua	0.42
73	12	Grenada	4	42	5	Uruguay	0.41
97	22	Ecuador	4	73	12	Grenada	0.40
34	3	Barbados	3	88	19	Suriname	0.38
56	7	Chile	3				
68	11	Trinidad & Tobago	3				
87	18	Mexico	3				
112	26	Bolivia	3				

Source: ITU.

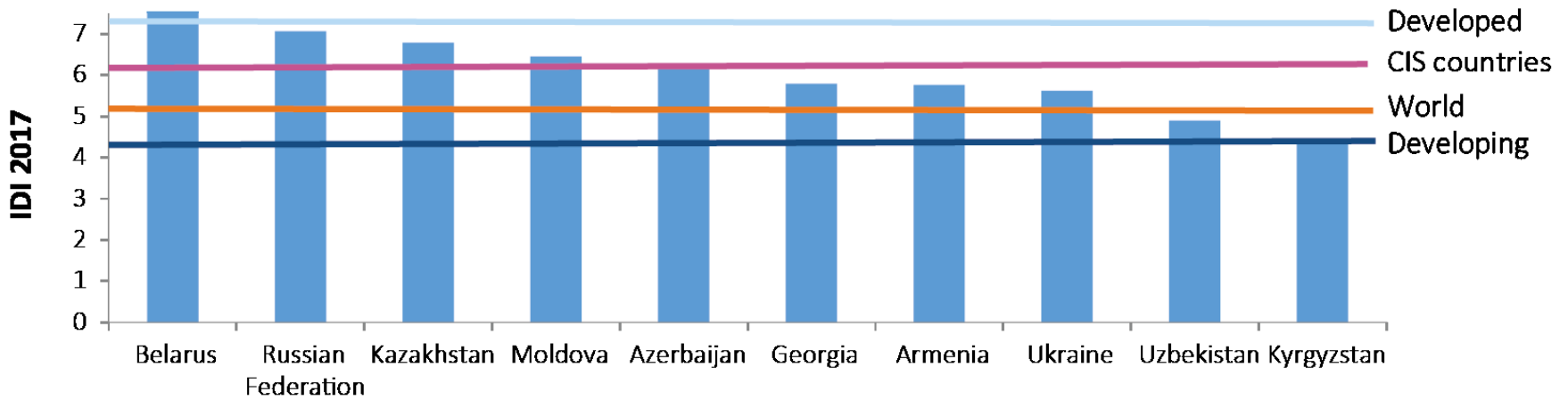


Source: ITU.

IDI 2017 values – CIS



□ The CIS region has the narrowest range of IDI values of any region



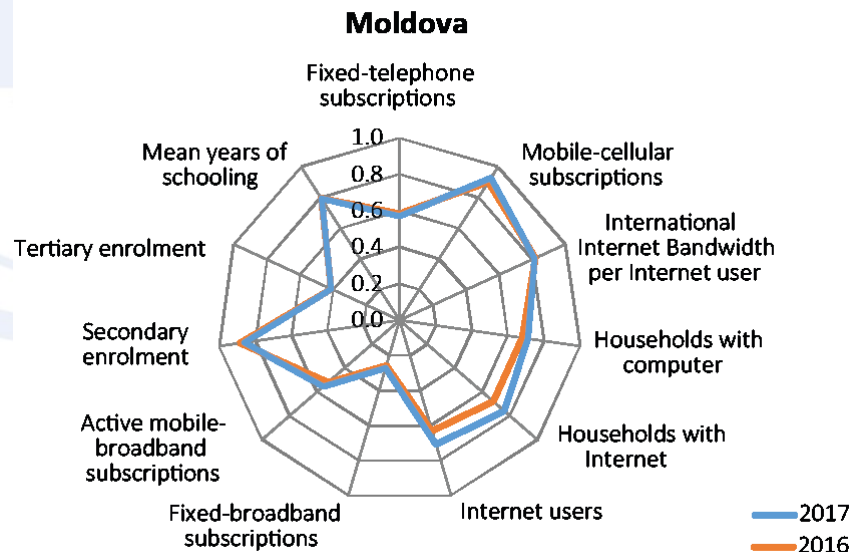
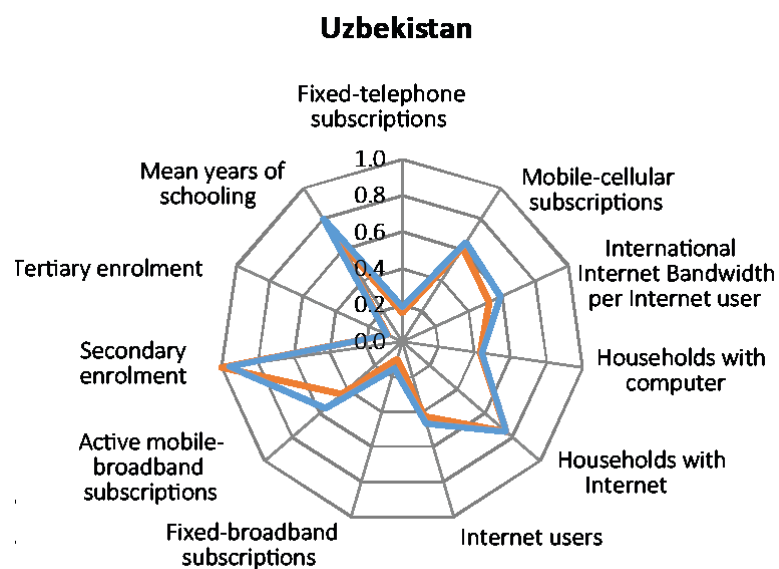
Note: Georgia exited CIS on 18 August 2009 but is included in the ITU BDT administrative region for the CIS countries.



Source: ITU.

Most dynamic countries – CIS

Change in IDI ranking				Change in IDI value (absolute)			
IDI rank 2017	Rank region	Country	IDI rank change	IDI rank 2017	Rank region	Country	IDI value change
95	9	Uzbekistan	8	95	9	Uzbekistan	0.42
59	4	Moldova	4	109	10	Kyrgyzstan	0.31
109	10	Kyrgyzstan	1	79	8	Ukraine	0.31
32	1	Belarus	0	32	1	Belarus	0.26
				59	4	Moldova	0.25

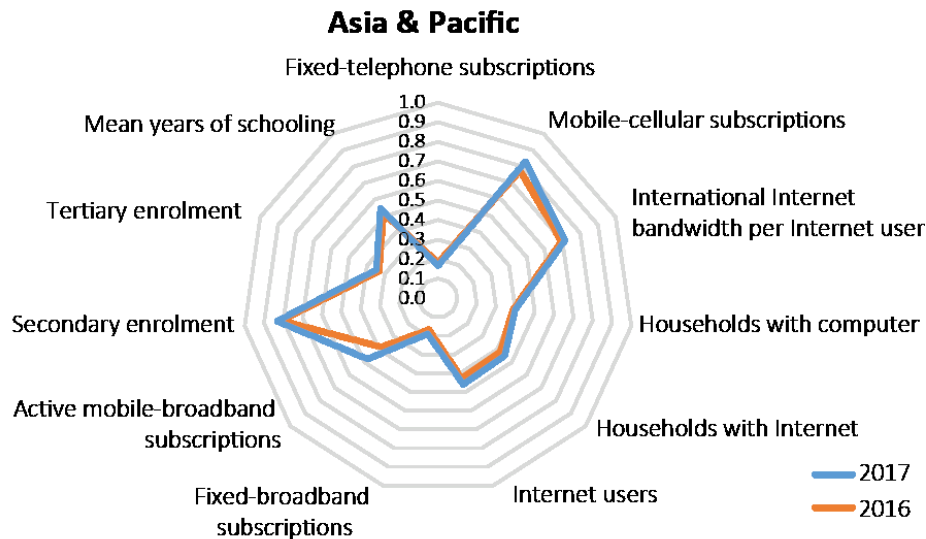


— 2017
— 2016

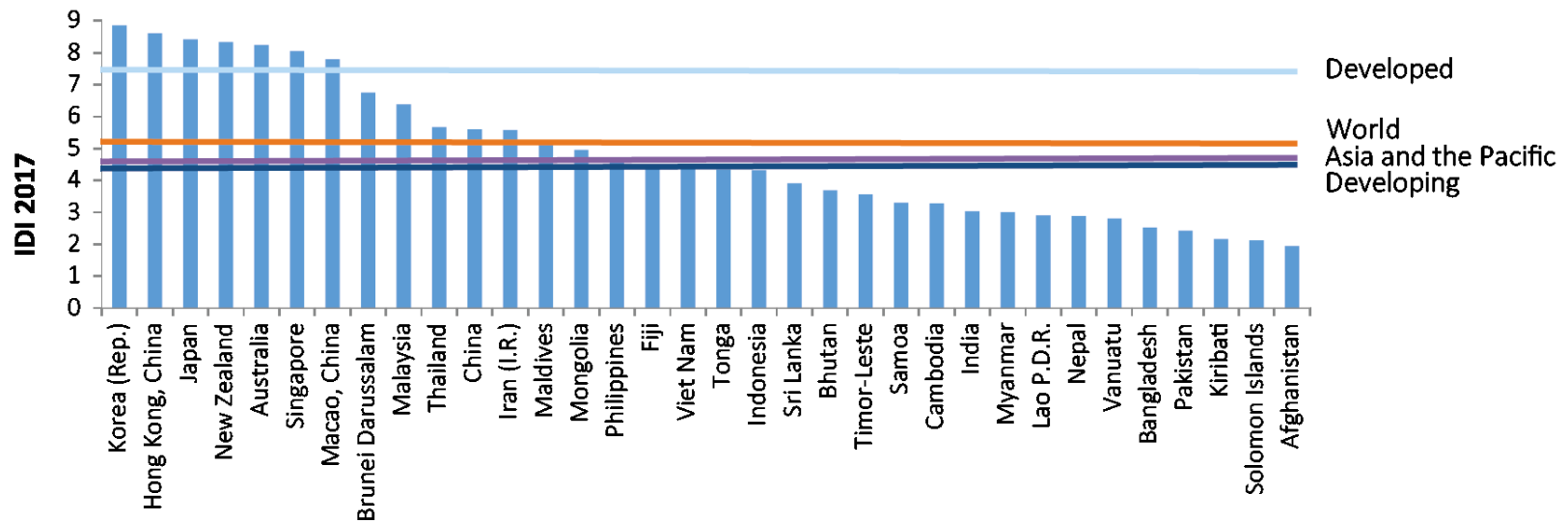
Source: ITU.



IDI 2017 values – Asia and the Pacific



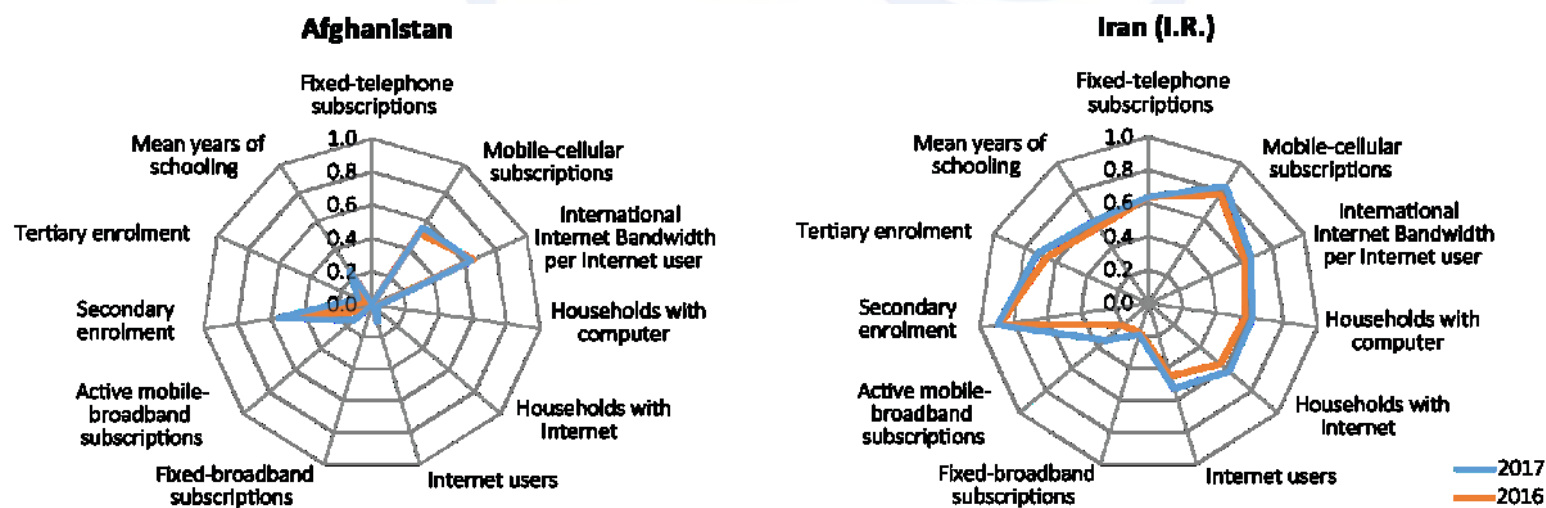
□ Asia and the Pacific is the most heterogeneous region in terms of ICT development



Most dynamic countries – Asia & Pacific

Change in IDI ranking				Change in IDI value (absolute)			
IDI rank 2017	Rank region	Country	IDI rank change	IDI rank 2017	Rank region	Country	IDI value change
159	34	Afghanistan	6	81	12	Iran (I.R.)	0.54
122	22	Timor-Leste	5	139	27	Lao P.D.R.	0.47
135	26	Myanmar	5	111	19	Indonesia	0.47
139	27	Lao P.D.R.	5	122	22	Timor-Leste	0.46
81	12	Iran (I.R.)	4	80	11	China	0.422
134	25	India	4	135	26	Myanmar	0.419

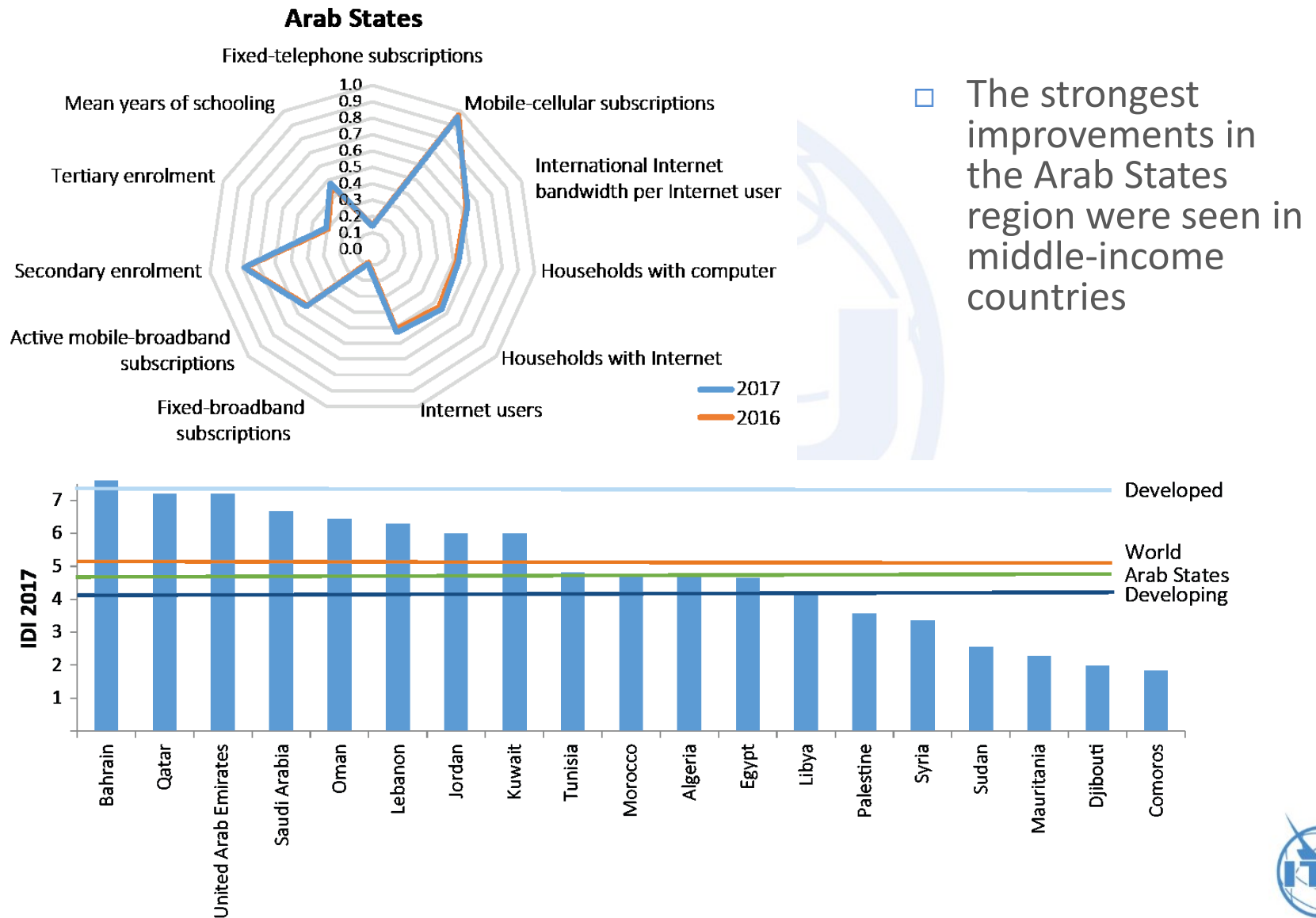
Source: ITU.



Source: ITU.



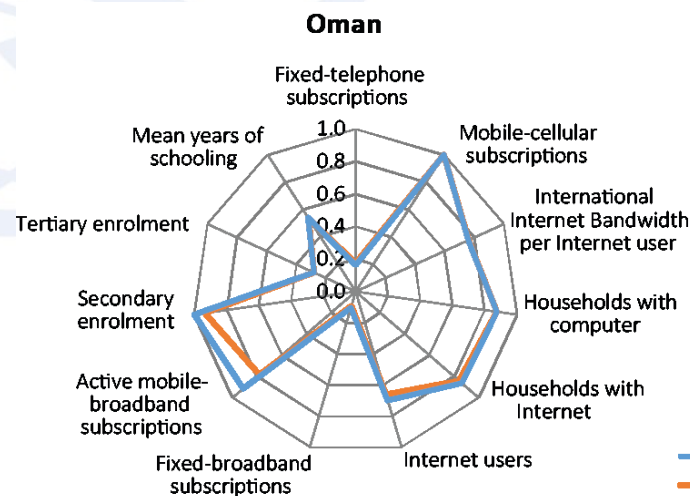
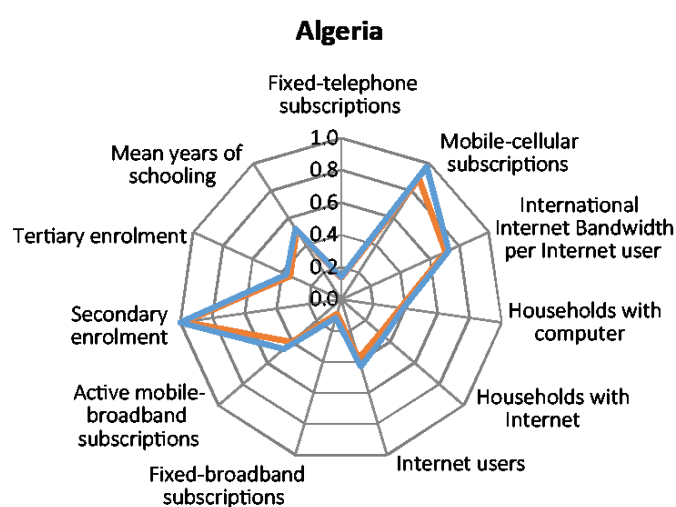
IDI 2017 values – Arab States



Most dynamic countries – Arab States

Change in IDI ranking				Change in IDI value (absolute)			
IDI rank 2017	Rank region	Country	IDI rank change	IDI rank 2017	Rank region	Country	IDI value change
102	11	Algeria	4	102	11	Algeria	0.34
158	18	Djibouti	3	62	5	Oman	0.29
62	5	Oman	2	71	8	Kuwait	0.23
64	6	Lebanon	1	64	6	Lebanon	0.20
103	12	Egypt	1	100	10	Morocco	0.19
151	17	Mauritania	1				

Source: ITU.



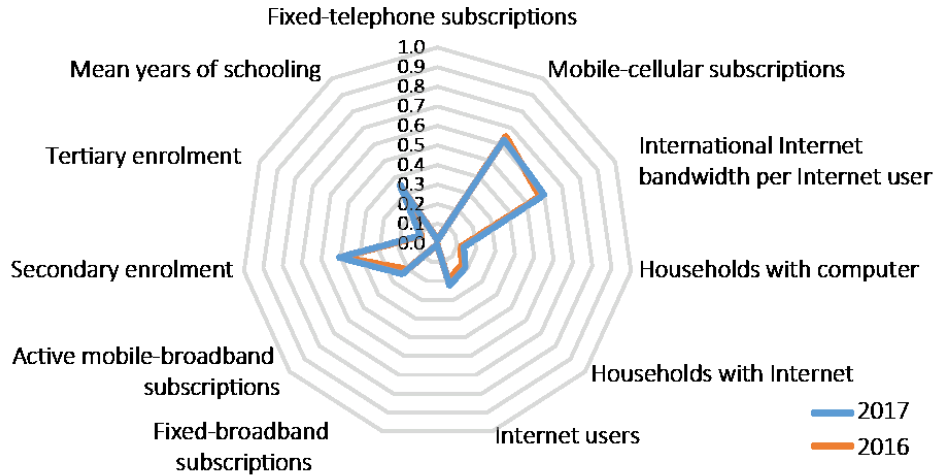
— 2017
— 2016



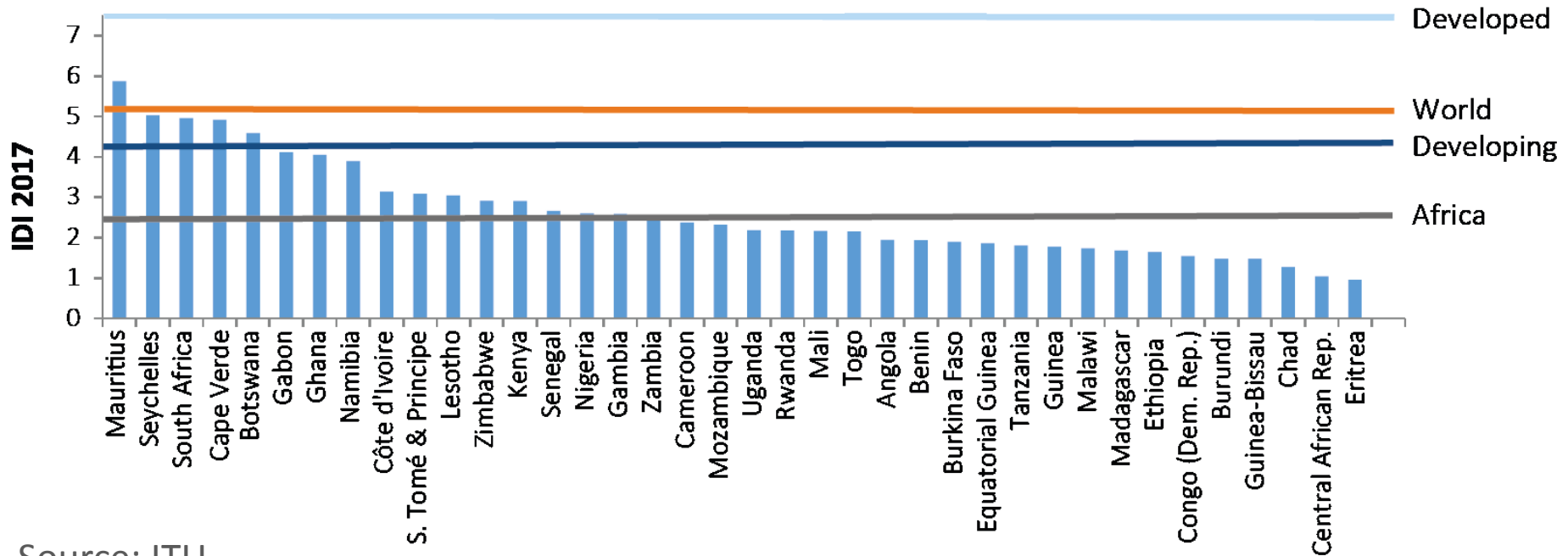
Source: ITU.

IDI 2017 values – Africa

Africa



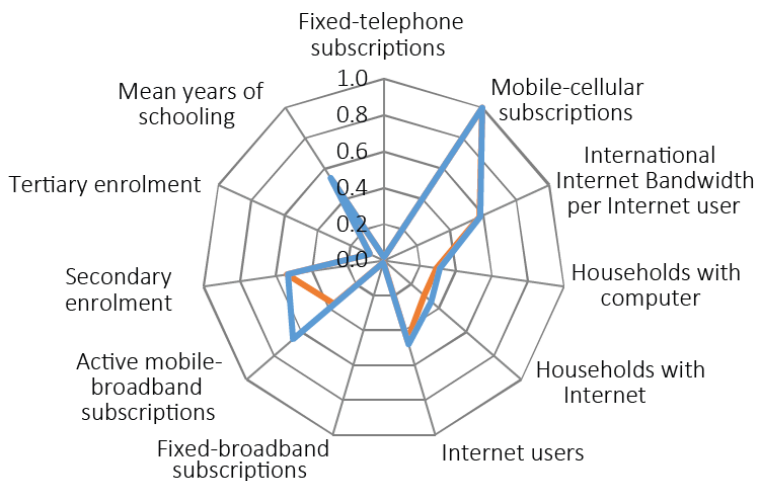
□ Average value for Africa in IDI 2017 is about half the global average



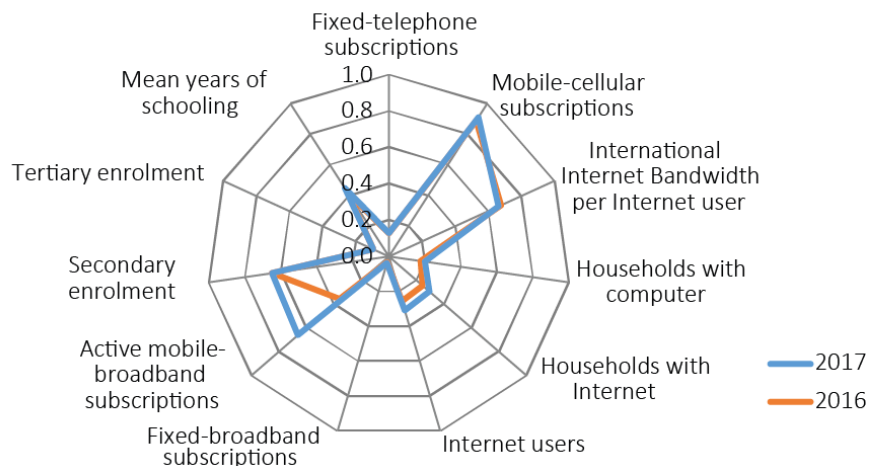
Most dynamic countries – Africa

Change in IDI ranking				Change in IDI value (absolute)			
IDI rank 2017	Rank region	Country	IDI rank change	IDI rank 2017	Rank region	Country	IDI value change
2	20	Uganda	6	118	8	Namibia	0.57
4	8	Namibia	5	114	6	Gabon	0.50
4	6	Gabon	4	72	1	Mauritius	0.36
6	1	Mauritius	3	146	17	Zambia	0.35
3	9	Côte d'Ivoire	3	131	9	Côte d'Ivoire	0.30
3	17	Zambia	3				
2	23	Togo	3				

Gabon



Namibia



Source: ITU.

ITU Data Visualization Tool

ITU DATA VISUALISATION TOOL

- Results of the ICT Development Index, ITU's key benchmarking tool
- Key ICT indicators
- Global, regional and national comparisons

www.itu.int/IDI2016

Country	2017 Score	2016 Score	2015 Score	2014 Score
Ireland	8.52	8	8.15	8.15
Korea (Rep.)	8.52	8	8.05	8.05
Luxembourg	8.52	8	8.05	8.05
Slovenia	8.52	8	8.05	8.05
United Kingdom	8.52	8	8.05	8.05
Hong Kong (China)	8.52	8	8.05	8.05
Netherlands	8.52	8	8.05	8.05
Norway	8.52	8	8.05	8.05
Luxembourg	8.52	8	8.05	8.05
Japan	8.52	8	8.05	8.05
Iceland	8.52	8	8.05	8.05
Germany	8.52	8	8.05	8.05
New Zealand	8.52	8	8.05	8.05
Australia	8.52	8	8.05	8.05
France	8.52	8	8.05	8.05
United States	8.52	8	8.05	8.05
Estonia	8.52	8	8.05	8.05
Singapore	8.52	8	8.05	8.05
Mexico	8.52	8	8.05	8.05
Canada	8.52	8	8.05	8.05
Austria	8.52	8	8.05	8.05
Jordan	8.52	8	8.05	8.05
Finland	8.52	8	8.05	8.05

www.itu.int/IDI2017



