



**ITU Regional Forum and Training Workshop on Telecommunication/ICT
Indicators: Measuring the Information Society
and
ITU-ASEAN Meeting on Establishing National ICT Statistics Portals and
Measuring ASEAN ICT targets**

Bangkok, 13-16 October 2014

ICT Development Index (IDI)

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What is the ICT Development Index (IDI)?

- A composite index including 11 indicators, covering 3 areas:
 - ▣ ICT access
 - ▣ ICT use
 - ▣ ICT skills
- A benchmarking tool to measure countries' progress in ICT development
- It was mandated by the ITU Plenipotentiary Conference in 2006 (Resolution 131)
- WSIS called for the publication of an ICT development index
- The IDI was first published in 2009 and since then annually in the ITU *Measuring the Information Society Report*
- IDI has become one of the most widely recognized measures of ICT progress worldwide

IDI main objectives

To measure:



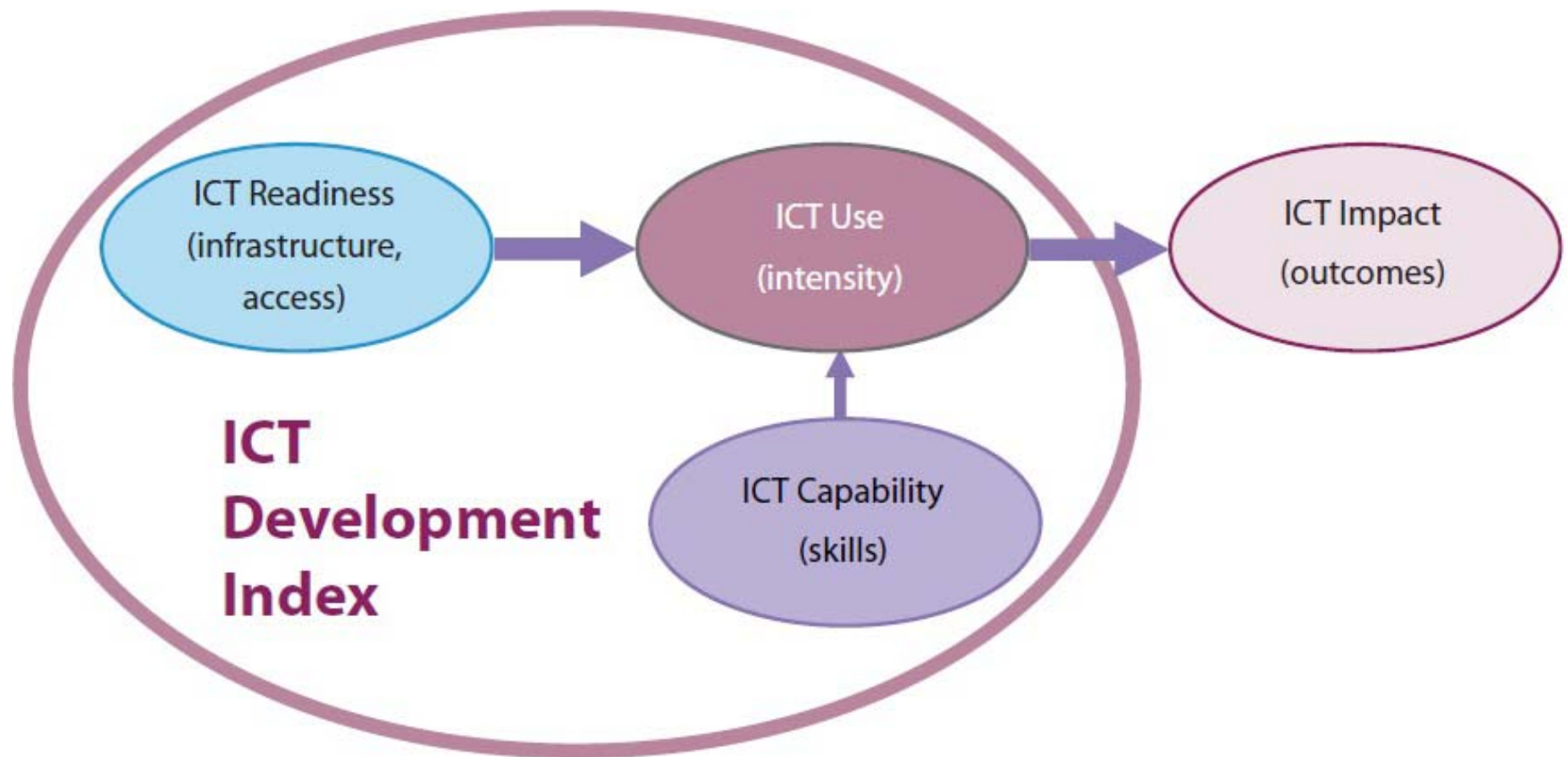
The *level and evolution over time* of ICT developments in countries and relative to other countries

Progress in ICT development in both *developed* and *developing countries*

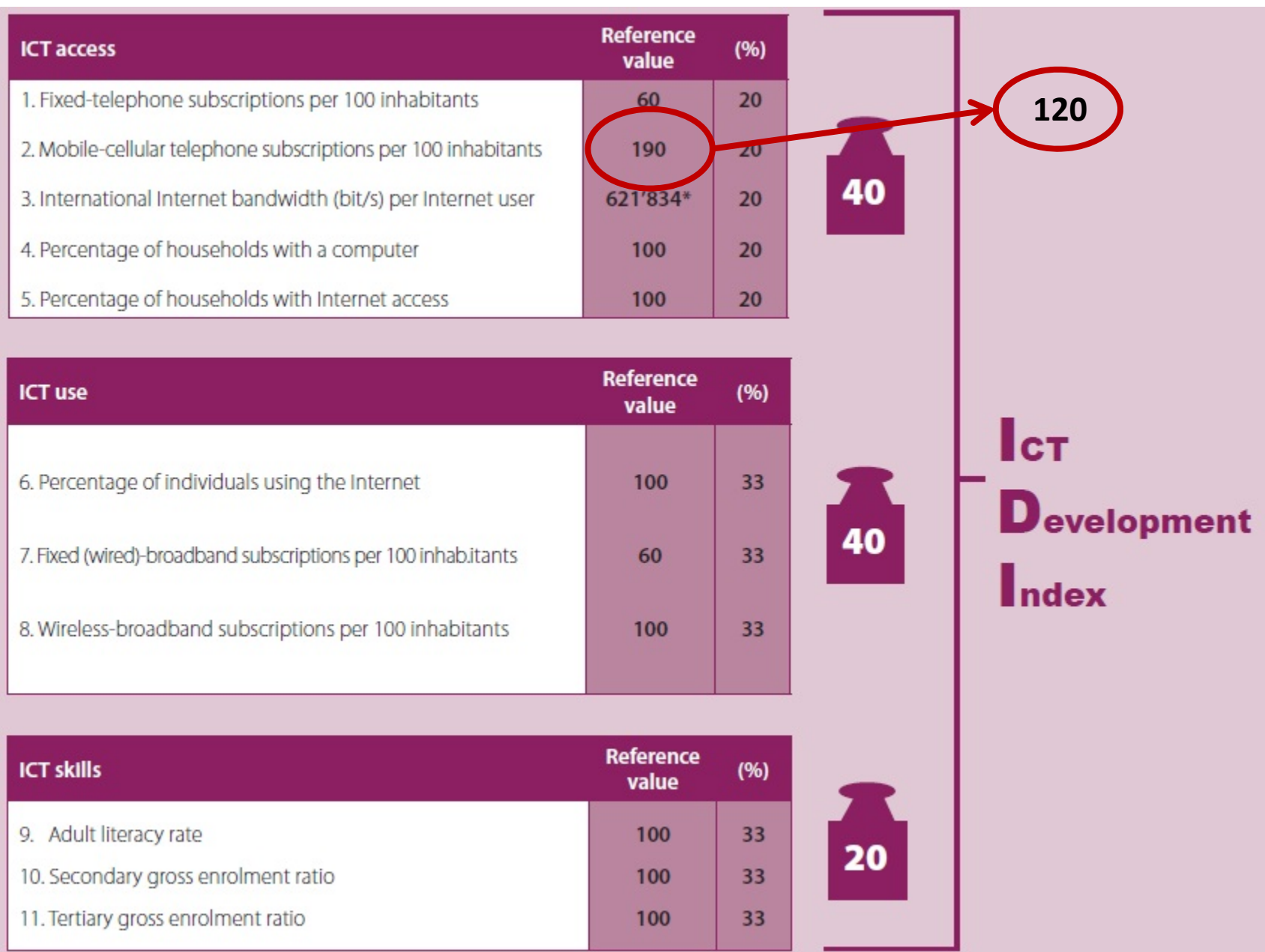
The *digital divide*, i.e. differences between countries in terms of their levels of ICT development

The *development potential* of ICTs or the extent to which countries can make use of ICTs to enhance growth and development

IDI conceptual framework



IDI methodology



IDI data sources

ITU Short WTI
questionnaire

Fixed telephone subscriptions
Mobile cellular subscriptions
International Internet bandwidth
Fixed broadband subscriptions
Mobile broadband subscriptions

ITU Short Household
questionnaire

Households with computers
Households with Internet access
Individuals using the Internet

UNESCO Institute for
Statistics (UIS)

Adult literacy rate
Secondary gross enrollment ratio
Tertiary gross enrollment ratio

IDI review

- IDI is continuously being reviewed (indicators and methodology) to seek improvements
- Standing item in the **EGTI discussion forum** since 2010
- Requirements for new proposals:
 - ▣ Improve measurement of ICT developments
 - ▣ Consistent with conceptual framework and main objectives of the index
 - ▣ Data availability for the majority of countries from official sources

IDI analysis

- Around 160 economies
- Comparison of two latest years (e.g. 2013 and 2012)
- Digital divide analysis – 4 IDI groups
- Least Connected Countries (LCCs) (lowest IDI group)
- Regional analysis
- Country analysis (top ten and most dynamic performers)

IDI highlights

MIS Report 2013

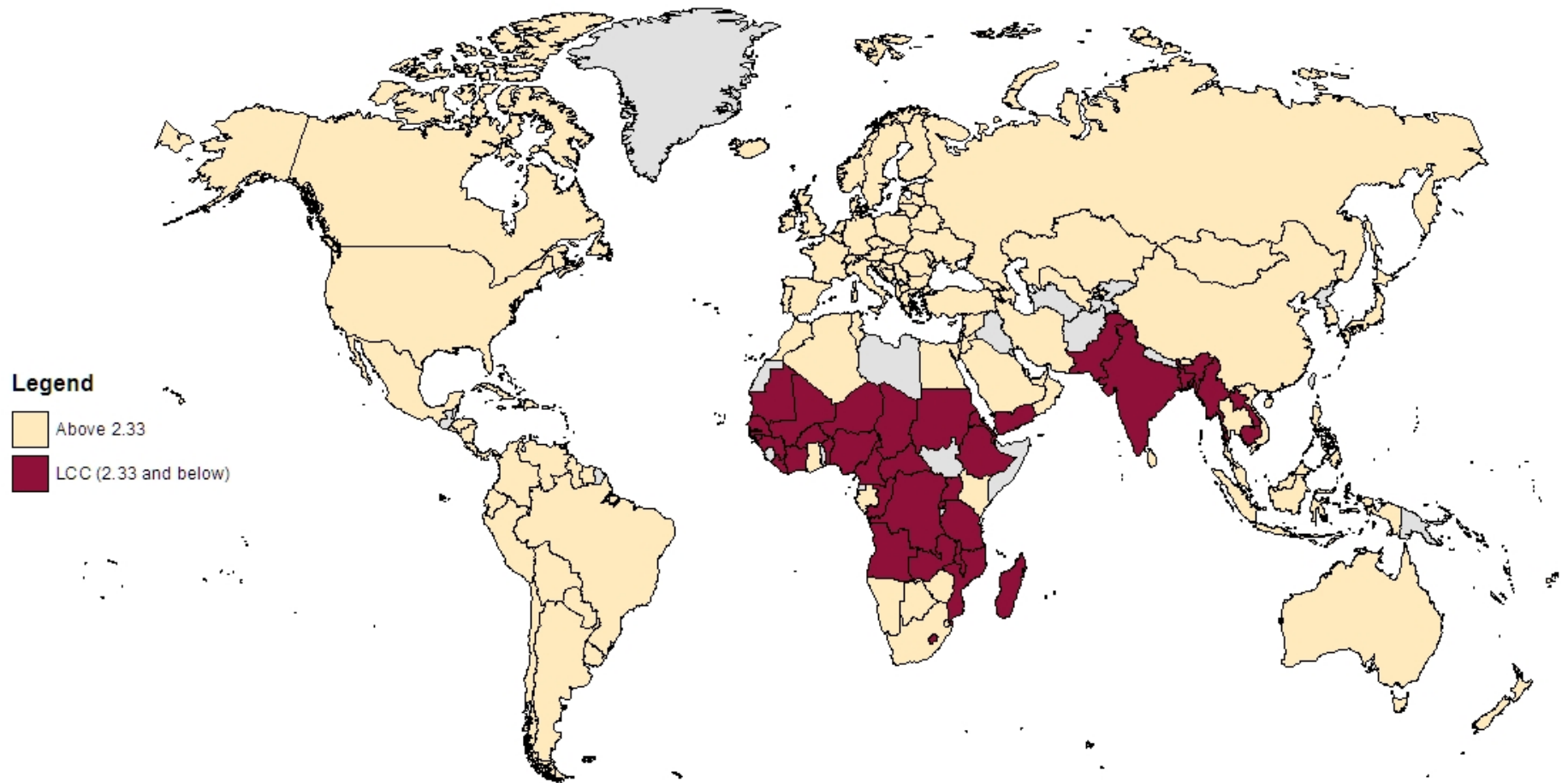
Top ten

1. Korea (Rep.)
2. Sweden
3. Iceland
4. Denmark
5. Finland
6. Norway
7. Netherlands
8. United Kingdom
9. Luxembourg
10. Hong Kong, China

Key findings

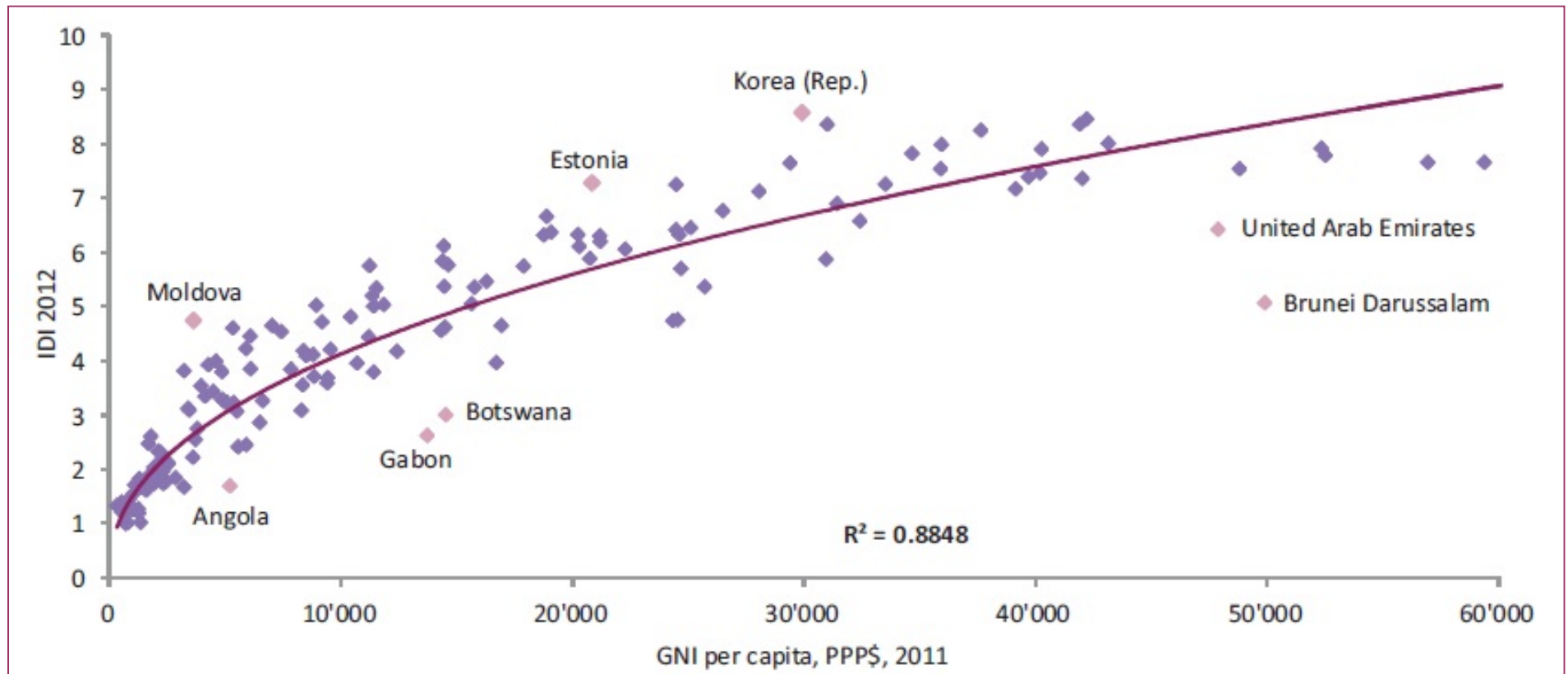
- Between 2011 and 2012:
 - ▣ ICT levels increased almost everywhere
 - ▣ Gap between top and bottom performers remains
 - ▣ Developing countries are catching up in the IDI use sub-index
- Lowest IDI group: Least Connected Countries (LCCs), home to 2.4 billion people
 - ▣ These could potentially derive the greatest benefits from ICTs in areas such as health, education, job creation

Least Connected Countries (LCCs)



Source: ITU MIS 2013

IDI and GNI p.c. are highly correlated but ICT policies matter



Top five per region

The top five economies in each region and their ranking in the global IDI 2012

Regional IDI rank	Europe	Global IDI rank	Asia & Pacific	Global IDI rank	The Americas	Global IDI rank	Arab States	Global IDI rank	CIS	Global IDI rank	Africa	Global IDI rank
1	Sweden	2	Korea (Rep.)	1	United States	17	Qatar	31	Russian Federation	40	Seychelles	64
2	Iceland	3	Hong Kong, China	10	Canada	20	United Arab Emirates	33	Belarus	41	Mauritius	72
3	Denmark	4	Australia	11	Barbados	29	Bahrain	39	Kazakhstan	48	South Africa	84
4	Finland	5	Japan	12	Uruguay	47	Saudi Arabia	50	Azerbaijan	61	Cape Verde	96
5	Norway	6	Macao, China	14	Antigua & Barbuda	49	Lebanon	52	Moldova	65	Botswana	108

Source: ITU MIS 2013

Most dynamic countries are from the developing world

Changes between IDI 2011 and 2012

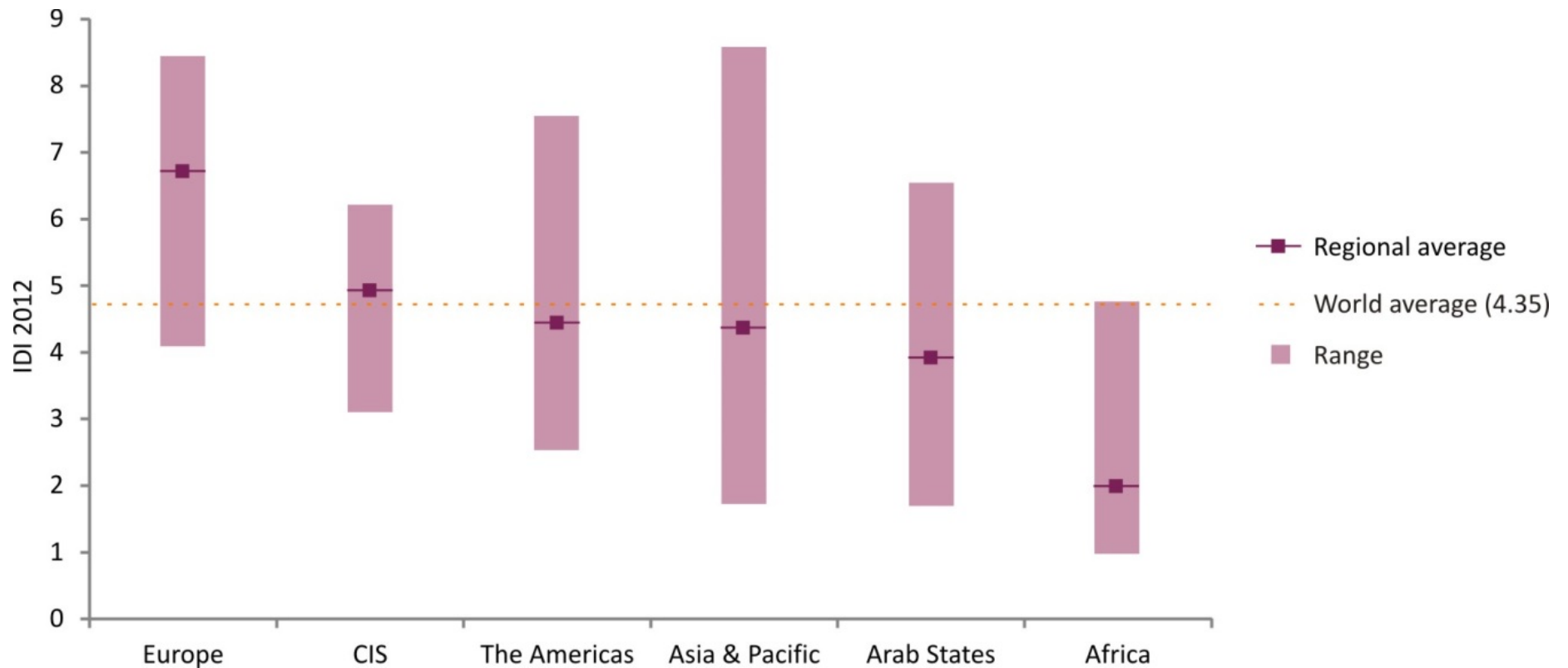
Change in IDI ranking			Change in IDI value (absolute)		
IDI rank 2012	Country	IDI rank change	IDI rank 2012	Country	IDI value change
33	United Arab Emirates	12	52	Lebanon	0.75
52	Lebanon	9	33	United Arab Emirates	0.73
29	Barbados	7	29	Barbados	0.65
64	Seychelles	6	54	Oman	0.56
41	Belarus	5	60	Costa Rica	0.56
60	Costa Rica	5	41	Belarus	0.55
85	Mongolia	5	22	Estonia	0.54
132	Zambia	5	39	Bahrain	0.51
11/135	Australia/Bangladesh	4*	26	Israel	0.41
54/115	Oman/Zimbabwe	4*	62	Brazil	0.41

Governments can play an important role by: adopting national ICT/ broadband plans, promoting competition, setting concrete targets and fostering ICT investments.

Regional IDI

Large differences within regions, in particular Asia-Pacific

IDI 2012 ranges and averages, by region



Source: ITU MIS 2013

IDI ranking in Asia and the Pacific

Economy	Regional rank 2012	Global rank 2012	IDI 2012	Global rank 2011	IDI 2011	Rank change 2011-2012
Korea (Rep.)	1	1	8.57	1	8.51	0
Hong Kong, China	2	10	7.92	10	7.66	0
Australia	3	11	7.90	15	7.54	4
Japan	4	12	7.82	8	7.77	-4
Macao, China	5	14	7.65	13	7.57	-1
Singapore	6	15	7.65	14	7.55	-1
New Zealand	7	16	7.64	18	7.31	2
Brunei Darussalam	8	58	5.06	56	4.93	-2
Malaysia	9	59	5.04	57	4.81	-2
Maldives	10	73	4.53	71	4.31	-2
China	11	78	4.18	79	3.86	1
Fiji	12	82	3.99	81	3.79	-1
Mongolia	13	85	3.92	90	3.59	5
Viet Nam	14	88	3.80	86	3.65	-2
Iran (I.R.)	15	90	3.79	88	3.61	-2
Thailand	16	95	3.54	94	3.42	-1
Indonesia	17	97	3.43	97	3.14	0
Philippines	18	98	3.34	98	3.14	0
Tonga	19	101	3.23	101	3.09	0
Sri Lanka	20	107	3.06	107	2.92	0
Bhutan	21	118	2.40	117	2.19	-1
Cambodia	22	120	2.30	121	2.05	1
India	23	121	2.21	120	2.13	-1
Lao P.D.R.	24	123	2.10	122	1.99	-1
Solomon Islands	25	125	1.97	124	1.91	-1
Pakistan	26	129	1.83	128	1.78	-1
Myanmar	27	134	1.74	132	1.70	-2
Bangladesh	28	135	1.73	139	1.62	4
Average			4.37		4.20	

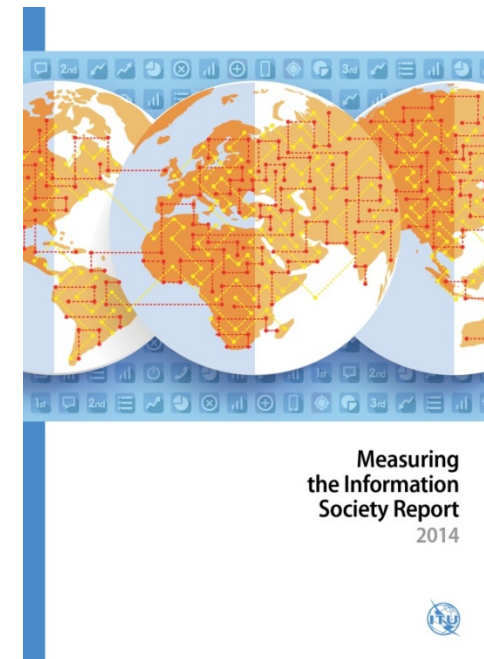
Source: ITU MIS 2013

Next IDI release

Measuring the Information Society Report 2014

16

- 166 countries, end 2013 data
- Top and dynamic countries
- Digital divide
- Least Connected Countries (LCCs)
- Regional analysis
- IDI and MDGs, IDI and geography



MIS Report 2014 launch
26 November 2014
Tbilisi, Georgia (at WTIS 2014)
As well as all ITU Regional Offices

Thank you



For more information and data:
www.itu.int/en/ITU-D/statistics