Promoting Connectivity – Exploring the Services Dimension Aid for Trade Workshop (WTO) 17 October 2016

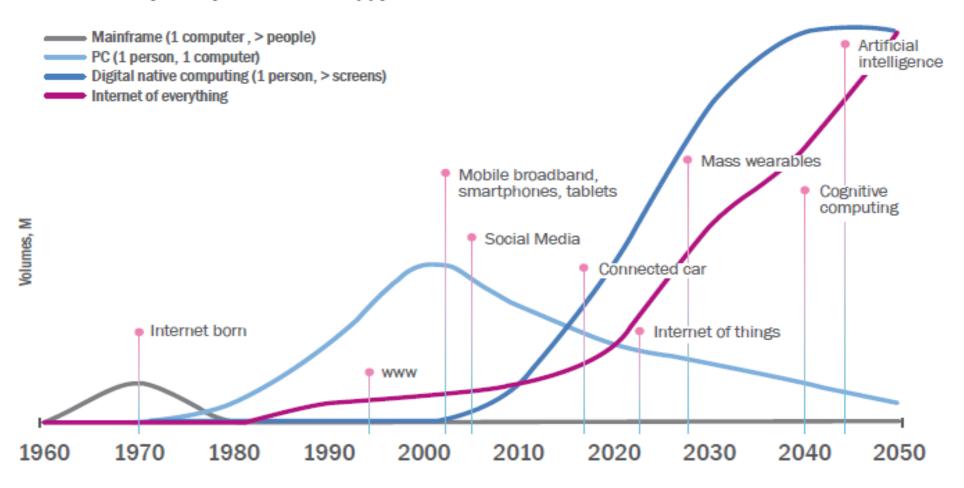
Global Perspectives on Bridging the Digital Divide

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History of the Future

One to many to any: ICTs from happy few to the masses



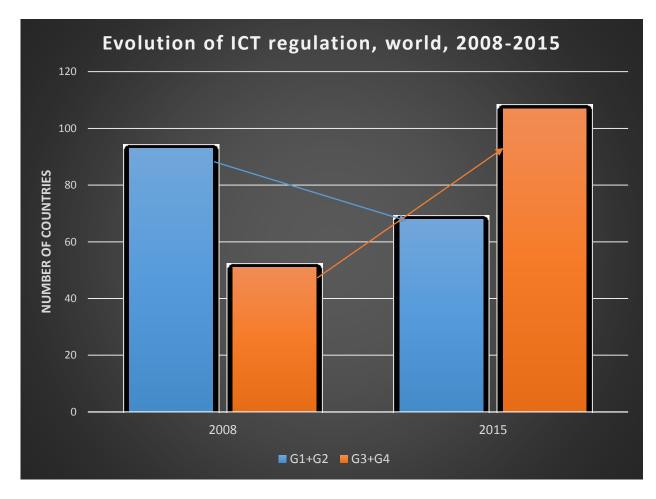


Source: IIU

ICTs today



The interplay of ICT markets and regulation



Generation of Regulation

G1: Regulated public monopolies without an independent regulator

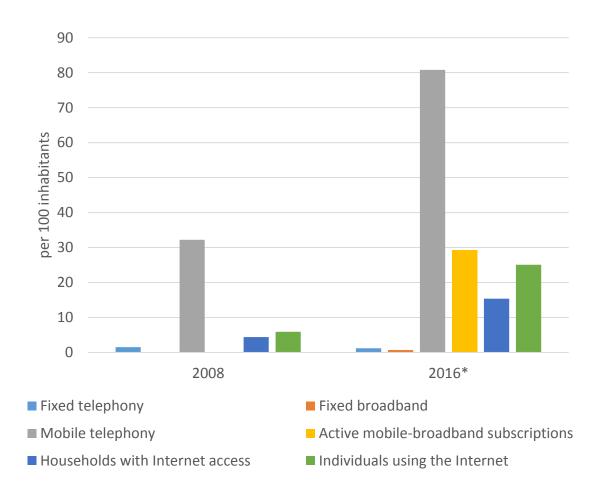
G2: Basic reform, separate regulatory bodies, partial liberalization and privatization

G3: Regulation for enabling investment, innovation and access, stimulating competition

G4: Integrated regulation, the regulator as a partner for development and social inclusion

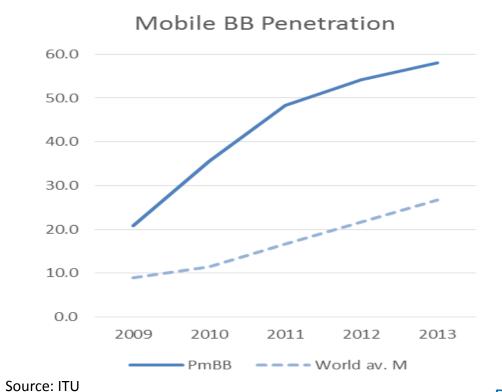
G5: Collaborative regulation, define the foundation, platforms and mechanisms for working with other sector regulators

Evolution of penetration of key ICTs, 2008-2016*



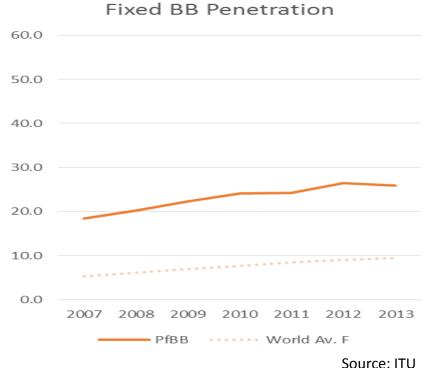


Winning formulas for broadband





- Competition in international gateways
- Mobile number portability enabled
- Band migration allowed
- Infrastructure sharing for mobile (either allowed or mandated), including MVNOs
- National broadband plan adopted

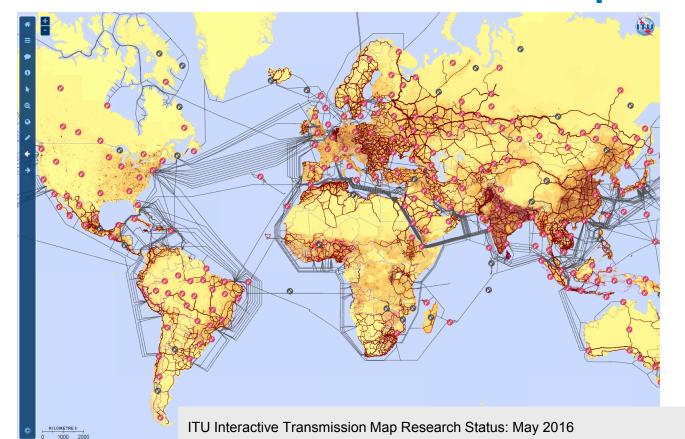


Regulatory measures

- Competition in DSL/cable
- Fixed number portability enabled
- Infrastructure sharing for fixed either allowed or mandated
- Converged licensing framework in place
- National broadband plan adopted



ITU Interactive Transmission Maps – The Database



Broadband Transmission Capacity Indicators

Indicator 1: Transmission network length (Route kilometres)

Indicator 2: Node locations

Indicator 3: **Equipment type of terrestrial transmission network**

Indicator 4: Network capacity (bit rate)

Indicator 5: Number of optical fibres within the cable

Indicator 6: Operational status of the transmission network

Indicator 7a: Percentage of population within reach of transmission

networks

Indicator 7b: Percentage of area within reach of transmission

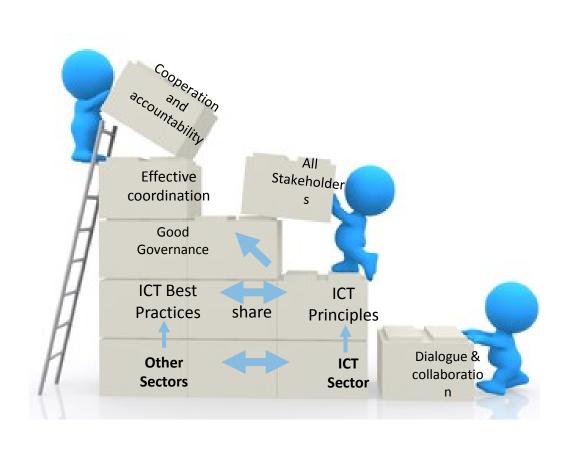
networks

https://www.itu.int/itu-d/tnd-map-public/

Region	CIS	ARB	AFR	ASP	LAC	EUR	Total
Operators	36	39	63	76	63	59	336
Links	2,097	1,265	3,633	6,155	3,448	4.086	20,684
Nodes	1,150	735	2,657	4,236	2,504	2,955	14,237
Route Kms	360,241	177,414	271,418	650,849	315,172	287,892	2,062,986
Total Kms	969,485	306,411	333,412 4	,140,504	921,701	1,964,889	8,636,402
Population wi	thin range of o	perational fibre n	ode (millions), D	ec 2015			
10-km	97.5	78.0	177.7	670.3	196.6	137.2	1,357,591.2
25-km	183.8	182.4	366.5	1,595.1	397.9	233.5	2,949,525.9
50-km	231.9	262.5	554.6	2,558.0	498.0	268.0	4,373,348.5



Building Blocks for 5th Generation Collaborative Regulation





BDT Initiative

m-POWERING DEVELOPMENT INITIATIVE







The Telecommunication Development Sector (ITU-D) fosters international cooperation and solidarity in the delivery of technical assistance and in the creation, development and improvement of telecommunication and ICT equipment and networks in developing countries.

Please visit: www.itu.int/en/ITU-D/Pages/default.aspx

