



MULTI-YEAR EXPERT MEETING ON TRADE, SERVICES AND DEVELOPMENT

Geneva, 11–13 May 2015

**ICT SERVICES UPTAKE AND THE EVOLUTION
OF REGULATORY FRAMEWORKS**

SESSION 4



UNITED NATIONS
UNCTAD

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The background features a large, light blue watermark of the ITU logo, which consists of a globe with a satellite dish and the letters 'ITU' in a stylized font.

ICT services uptake and the evolution of regulatory frameworks

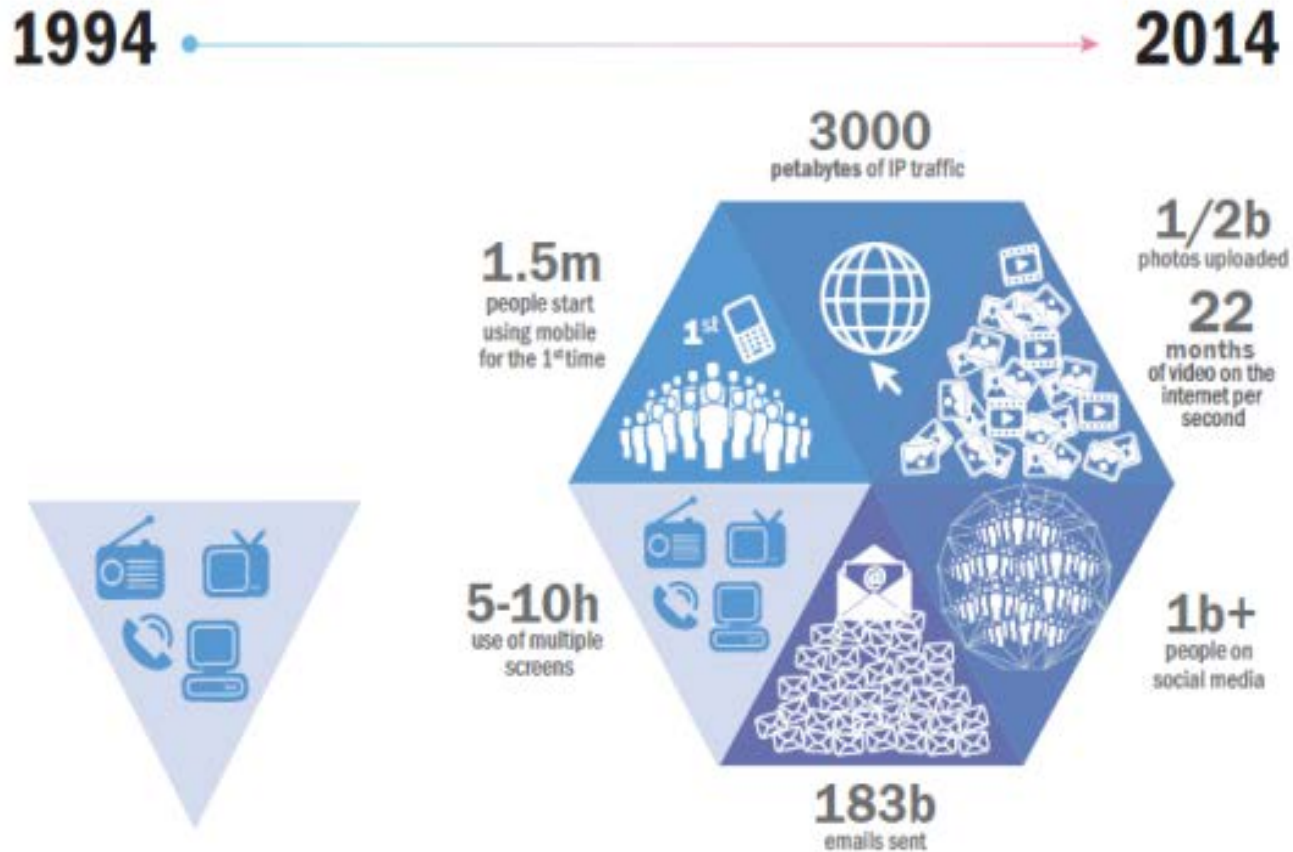
*Multi-Year Expert Meeting on Trade,
Services and Development,
UNCTAD, Geneva, Switzerland
11-13 May 2015*

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Telecommunication Development Bureau (BDT)

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A typical day in the digital world



Source: ITU.

ICT services uptake

Global, 2014

Mobile cellular subscriptions:

- Almost 7 billion

Mobile broadband penetration:

- 84% developed countries
- 21% developing countries

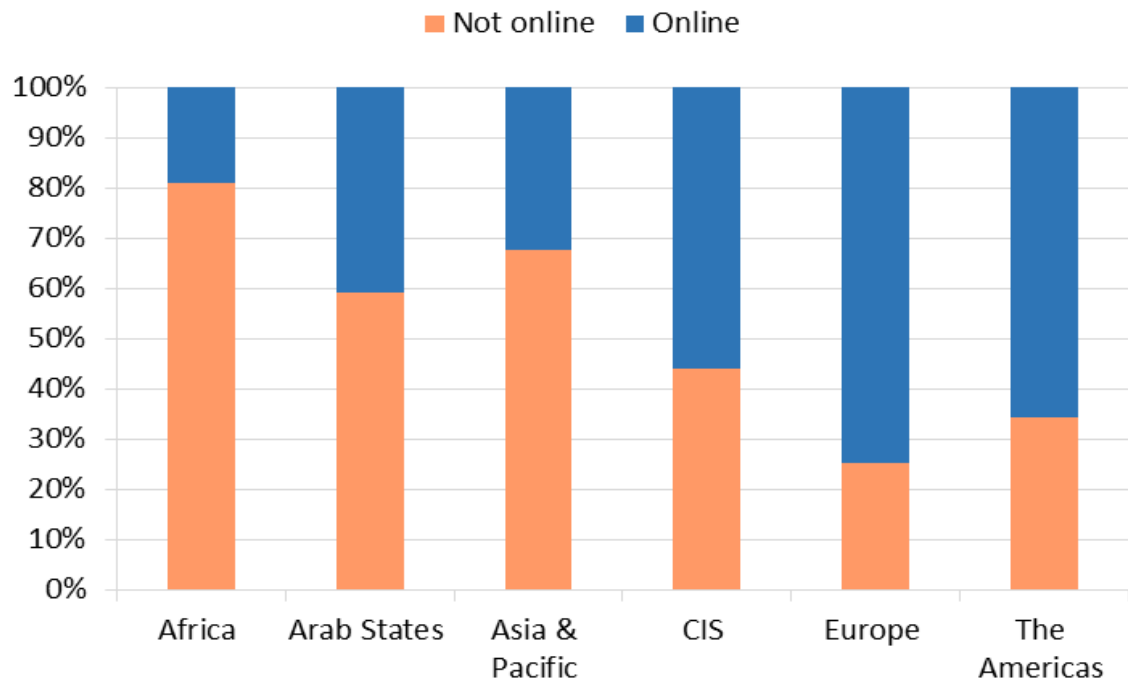
Fixed broadband penetration:

- 27.5 % developed countries
- 6 % developing countries

- Almost 3 billion people online
(individuals using the Internet)

Who's online?

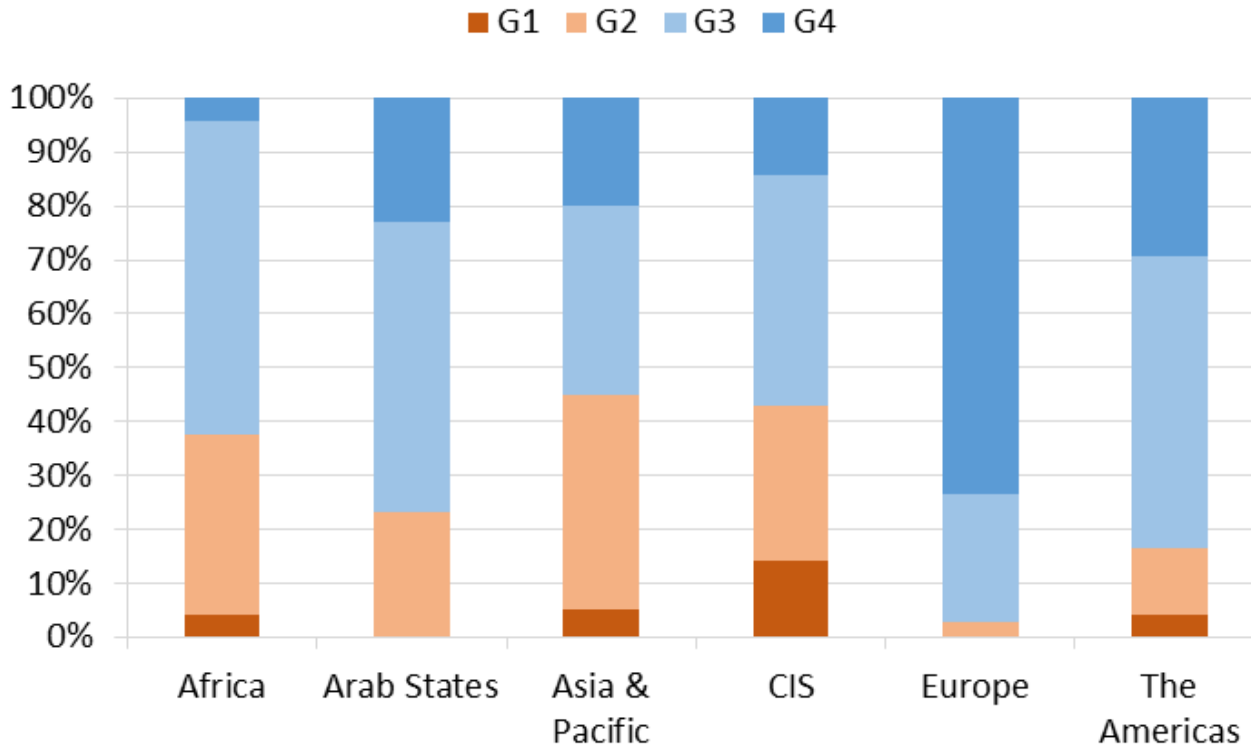
By region, 2014



Source: ITU World Telecommunication/ICT Indicators database

Maturity of regulation

Beginning of 2014



G4: Integrated regulation – led by economic and social policy

G3: Enabling investment, innovation and access – dual focus on stimulating competition in service and content delivery, and consumer protection

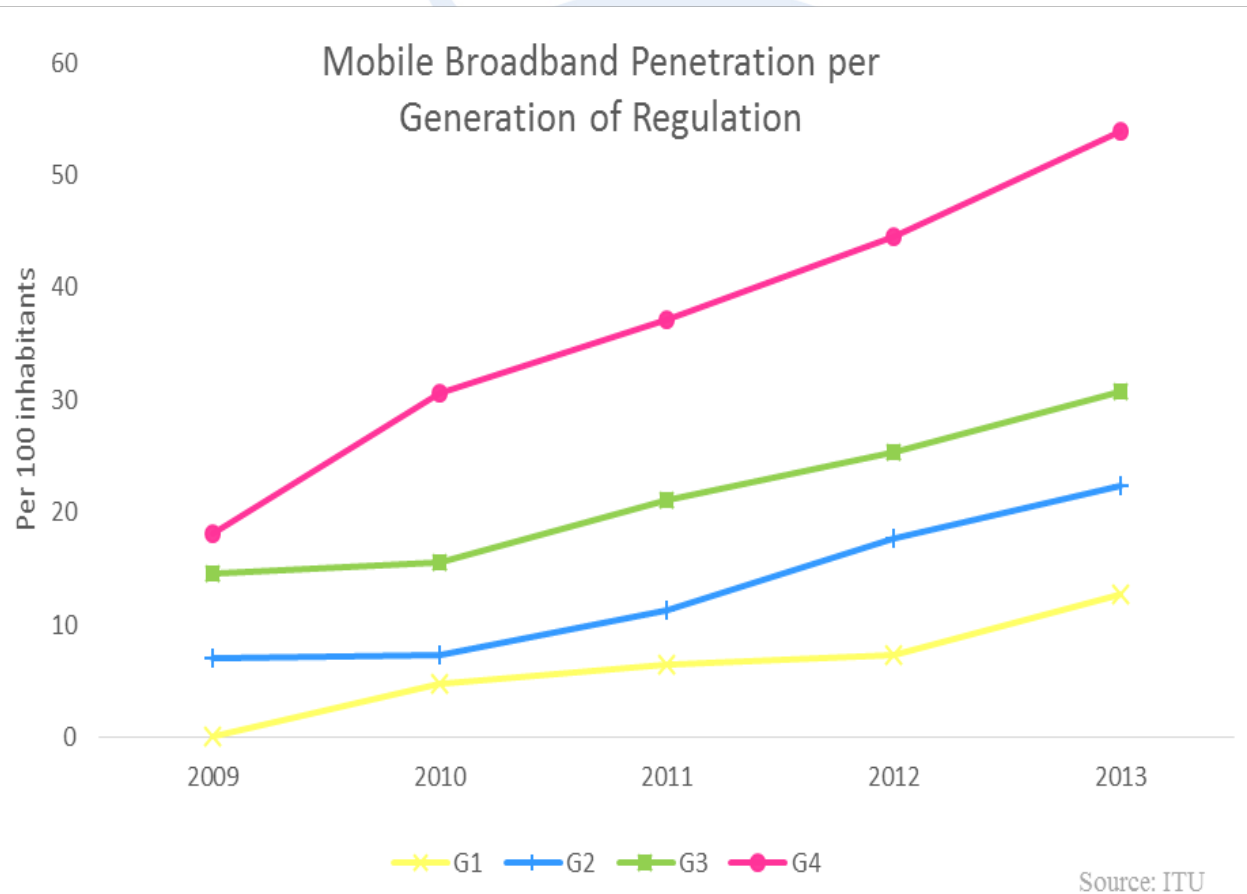
G2: Basic reform – partial liberalization and privatization across the layers

G1: Regulated public monopolies – command and control approach

Source: ITU.

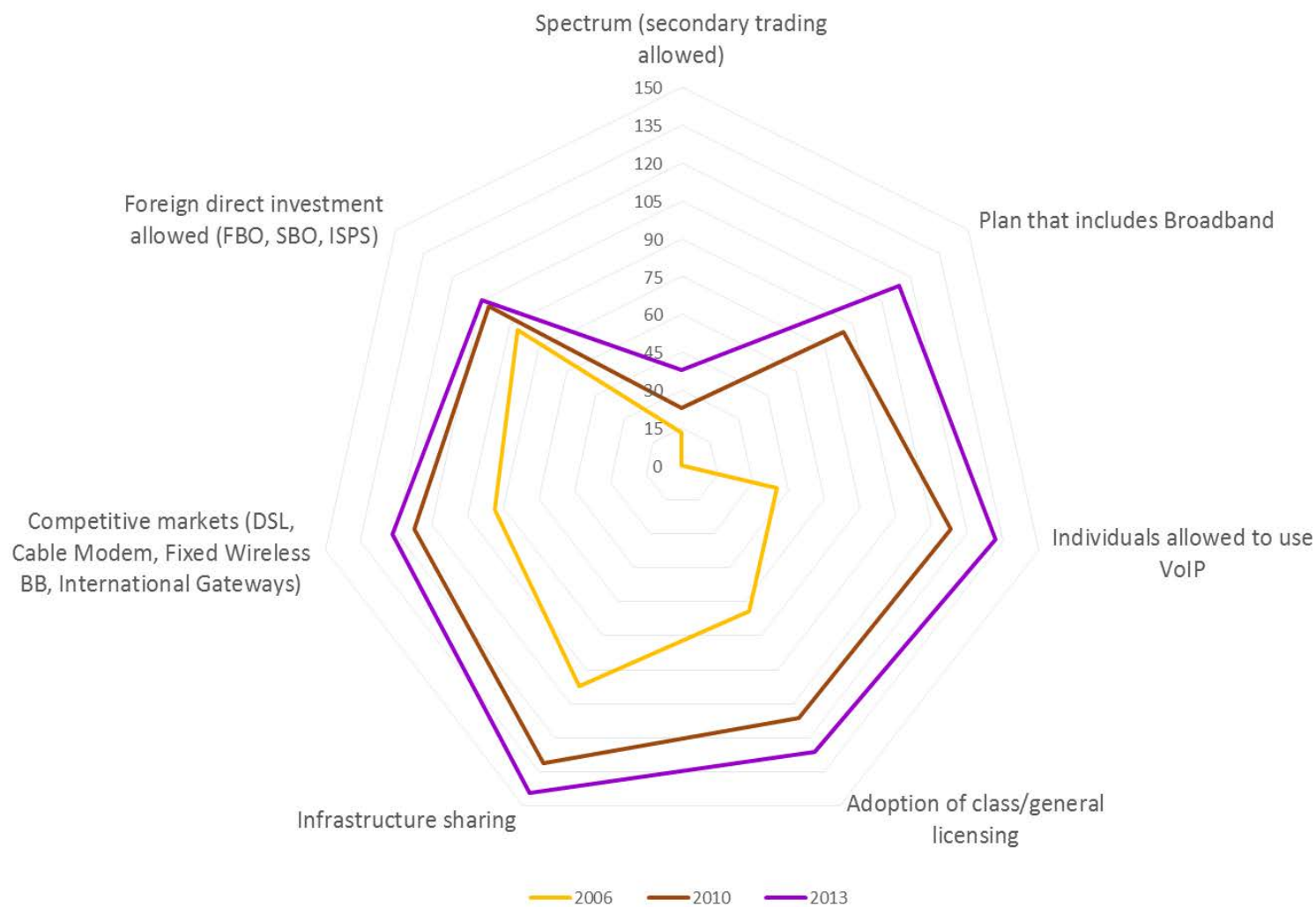
Better regulation – greater growth?

Evolution of mobile broadband penetration, by generation of regulation, 2009-2013



Note: Based on data for 122 countries over the entire period.
Source: ITU.

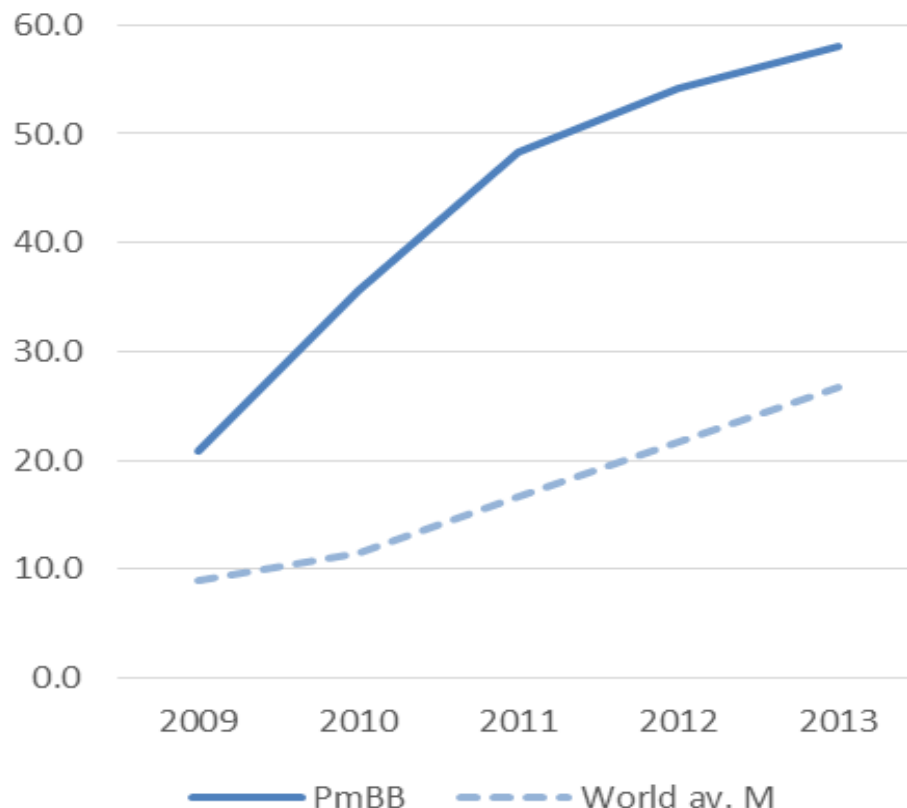
Which regulations have shaped the ICT sector?



Source: ITU.

Winning formulas for mobile broadband

Mobile BB Penetration

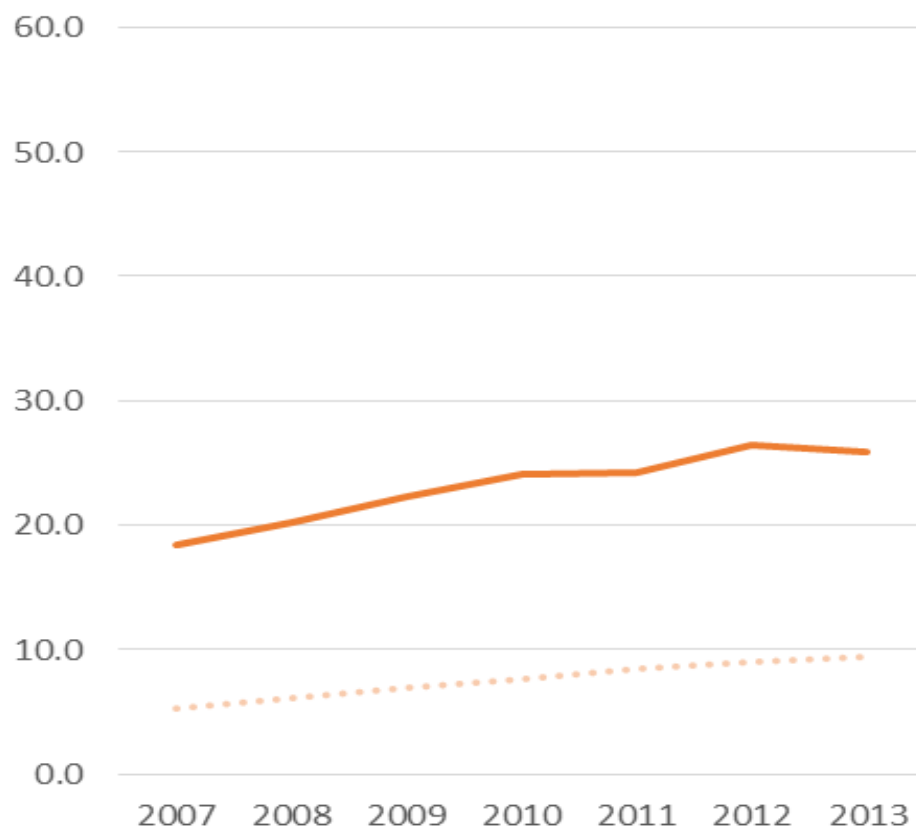


- Competition in mobile broadband
- Competition in international gateways
- Mobile number portability enabled
- Band migration allowed
- Infrastructure sharing for mobile (either allowed or mandated), including MVNOs
- National broadband plan adopted

Source: ITU

Winning formulas for fixed broadband

Fixed BB Penetration



- 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

Source: ITU

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Connect 2020 Agenda

For Global Telecommunication/ICT Development



Enable and foster access to and increased use of telecommunications/ICTs



Bridge the digital divide and provide broadband for all



Manage challenges resulting from telecommunication/ICT development



Lead, improve and adapt to the changing telecommunication/ICT environment

www.itu.int/en/connect2020

Coming next



Trends in Telecommunication Reform 2015 (coming soon!)

- Why Competition Matters and How to Foster It in the Dynamic ICT Sector
- Consumer protection in the online world
- New frontiers in spectrum licensing
- Big Data - Opportunity or Threat?
- The economic influence of data and their impact on business models
- Monitoring the Implementation of Broadband Plans and Strategies



15th Global Symposium for Regulators, Libreville, Gabon 9 to 11 June 2015

Mind the Digital Gap - Regulatory incentives to achieve digital opportunities

- Internet of Things • Interoperability • Taxation • Smart Regulation to Facilitate m-services and Application • Network Sharing Models • Innovative Investment Strategies • Mobile payment

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