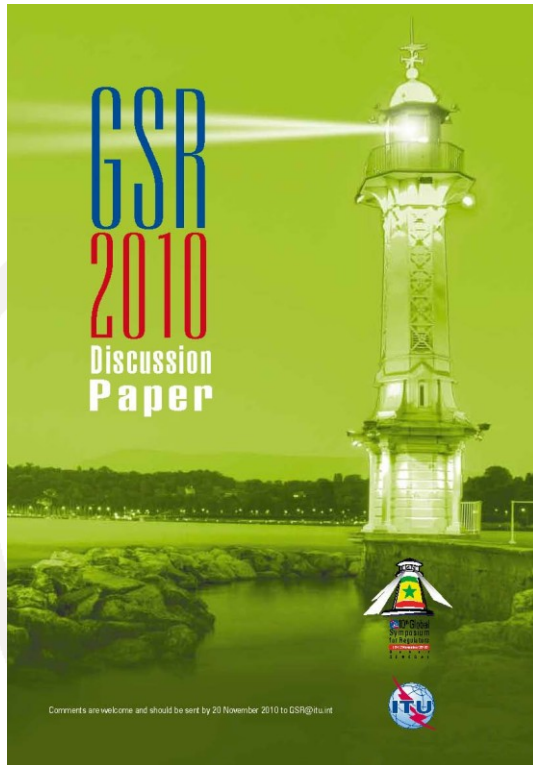




ICT Regulation in the Digital Economy

Janet Hernandez
President, TMG

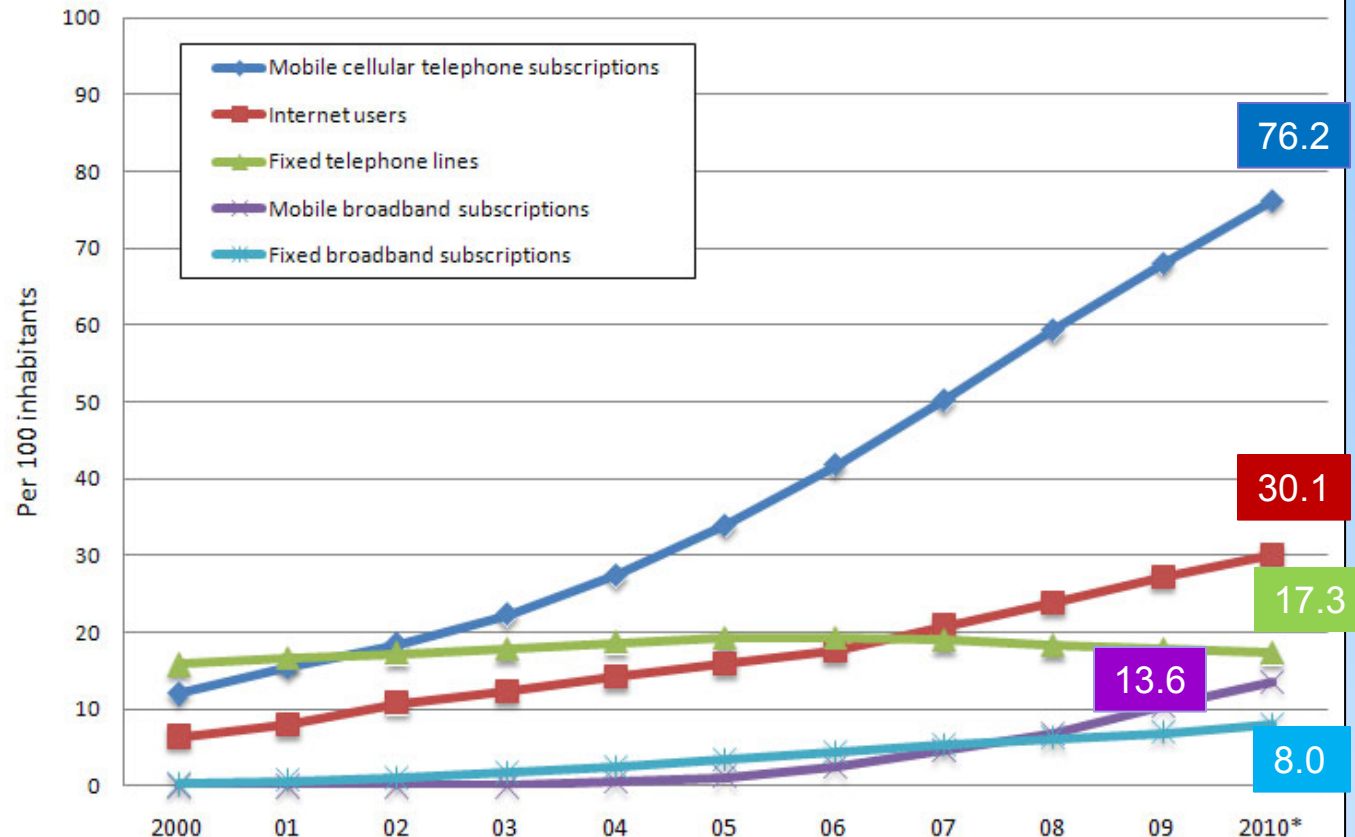


10th Global Symposium for Regulators
"Enabling Tomorrow's Digital World"
Dakar, Senegal, 10 November 2010

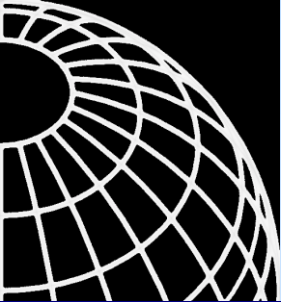


ICT Trends and Development

Global ICT development, 2000-2010

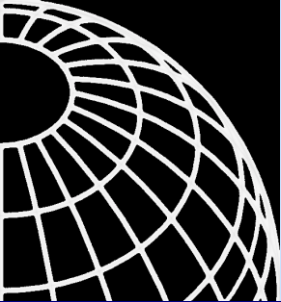


*Estimates
Source: ITU World Telecommunication /ICT Indicators database



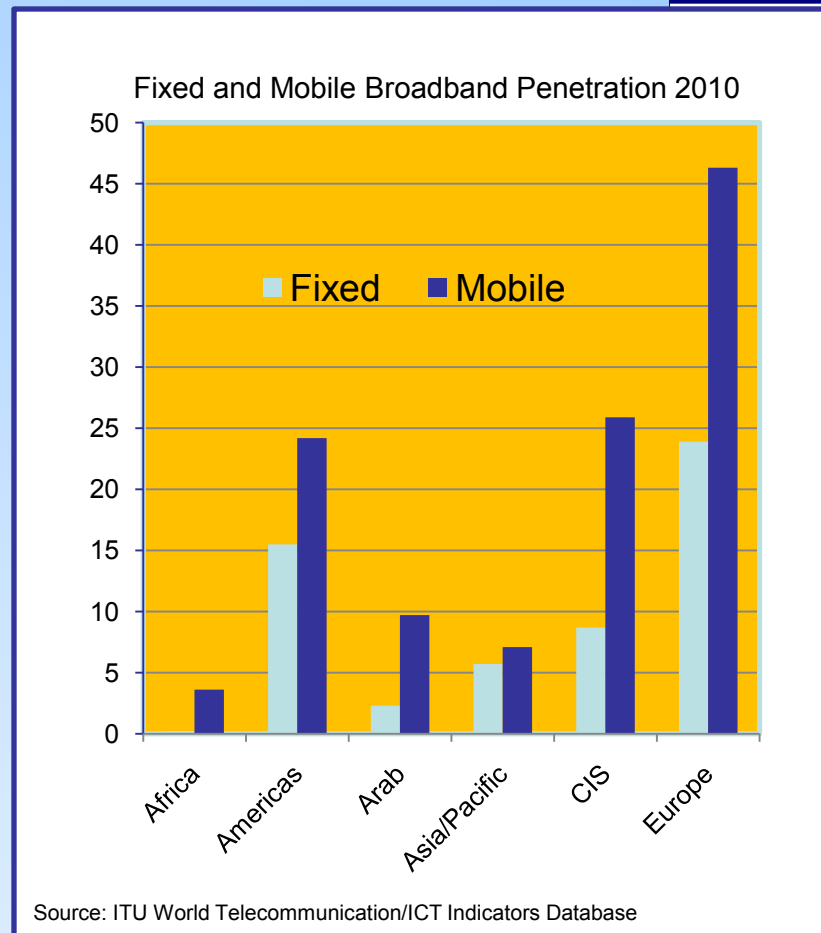
ICT Trends: Impacts on Regulators

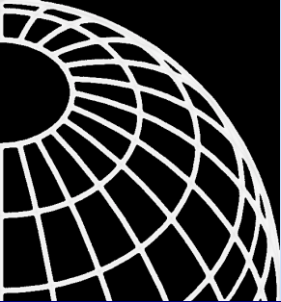
- What does all this mean for Regulators?
 - ICT sector is highly dynamic and rapidly changing, it is difficult to accurately predict or control how the market will develop
 - A deepening path of convergence within the ICT sector, as well as with other sectors of the economy, that promises benefits for citizens, but also poses new regulatory challenges
 - Must find ways to increase competition, encourage innovation and investment and protect consumers
 - An increasing reliance on competition laws in ICT markets, with certain areas requiring forward-looking regulation to prevent or promote certain outcomes
 - Increasing broadband deployment and use has become a key focus to achieving these objectives



Broadband: Promises and Challenges

- While broadband use is increasing, a large divide in broadband adoption remains
 - Where wireline infrastructure is not widespread, particularly in developing countries, mobile broadband is expected to play a crucial role in bridging the digital divide
- Reasons for non-adoption of broadband services
 - Lack of access
 - Costs
 - Digital literacy
 - Perceived relevance



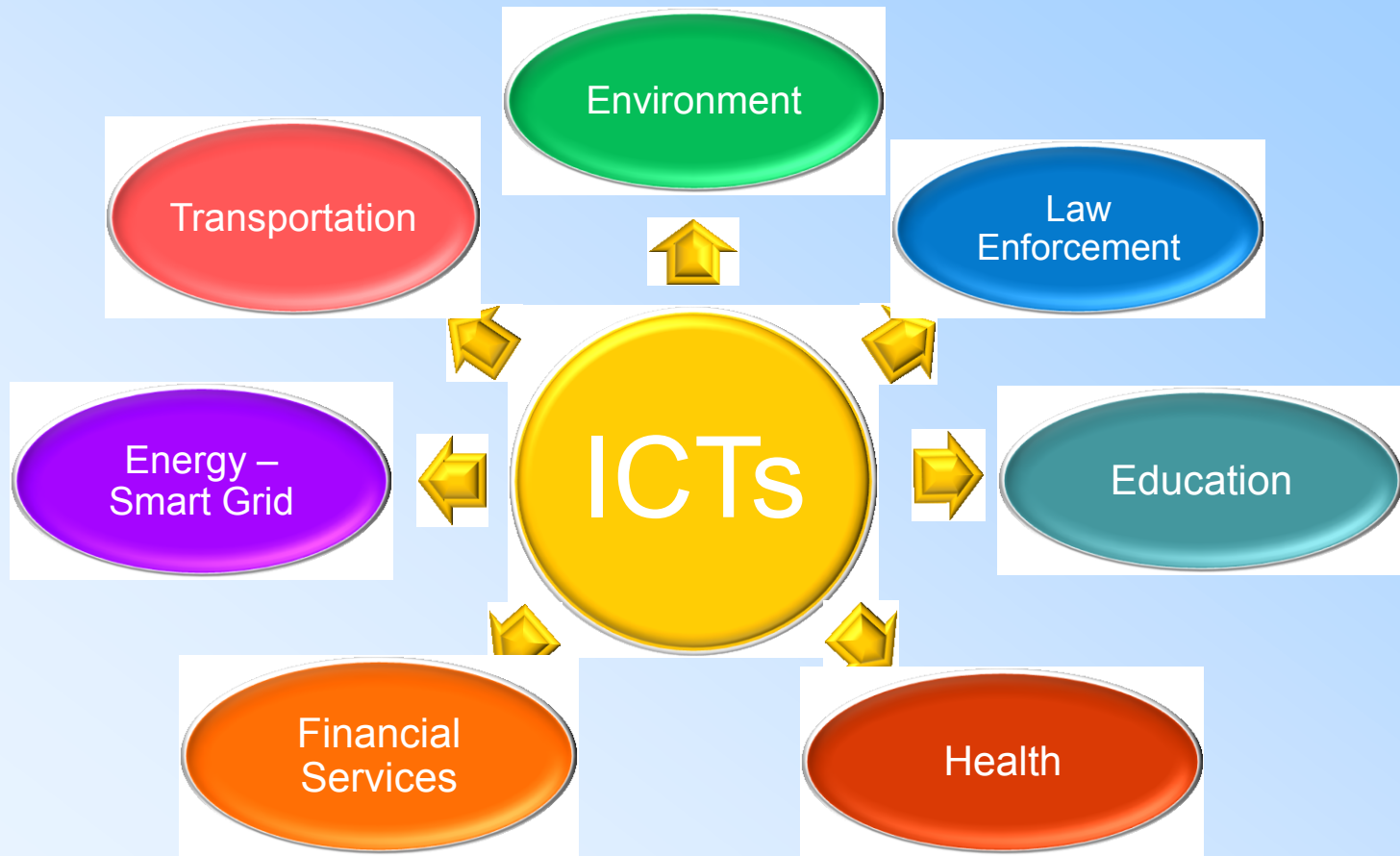


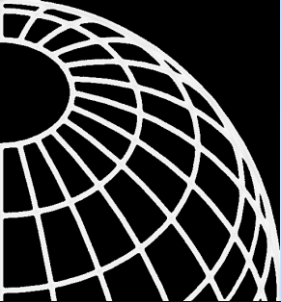
ICTs are Causing Regulatory Approaches to Shift

- As part of the effort to harness dynamic markets, many regulators have begun to transition from *ex ante* towards an *ex post* regulatory environment
 - To encourage technical innovation, competition and market development, policy makers have increasingly implemented *ex post* rules, while imposing targeted *ex ante* rules to account for market failures, particularly regarding access to broadband infrastructure
- *Ex post* regulation requires competition laws that are effective, enforced and suited to the country's needs



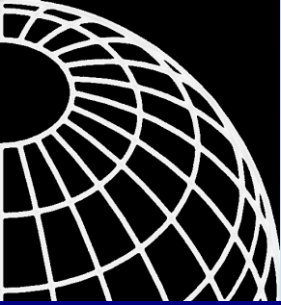
ICTs interact with every other sector of the economy





Continued and New ICT Regulatory Challenges

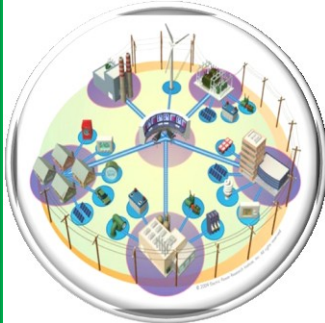




Cooperation among Regulatory Authorities in Different Sectors

- Due to the influence of ICT technology and service convergence on all other sectors,
 - ICT regulators are in a special position to ensure that the benefits of ICTs reach throughout the economy
 - ICT regulators should consider ways to increase cooperation with regulators and policymakers from other sectors

Cooperation among Regulatory Authorities in Different Sectors



Environmental Agencies

Smart grids
Reduction of e-waste



Health Agencies

M-health
Telemedicine



Education Agencies

Broadband connectivity
1 laptop, 1 child



Finance/
Banking Agencies

M-banking
E-money



Law Enforcement Agencies

Digital piracy
Lawful interception

Cooperation of ICT regulators with regulatory authorities across sectors

Thank you!

Janet Hernandez
President

Telecommunications Management Group, Inc.

1600 Wilson Boulevard, Suite 710

Arlington, VA 22209

USA

Tel: + 1.703.224.1501

Fax: + 1.703 224.1511

www.tmgtelecom.com

