

# Regulation for the Digital Economy:

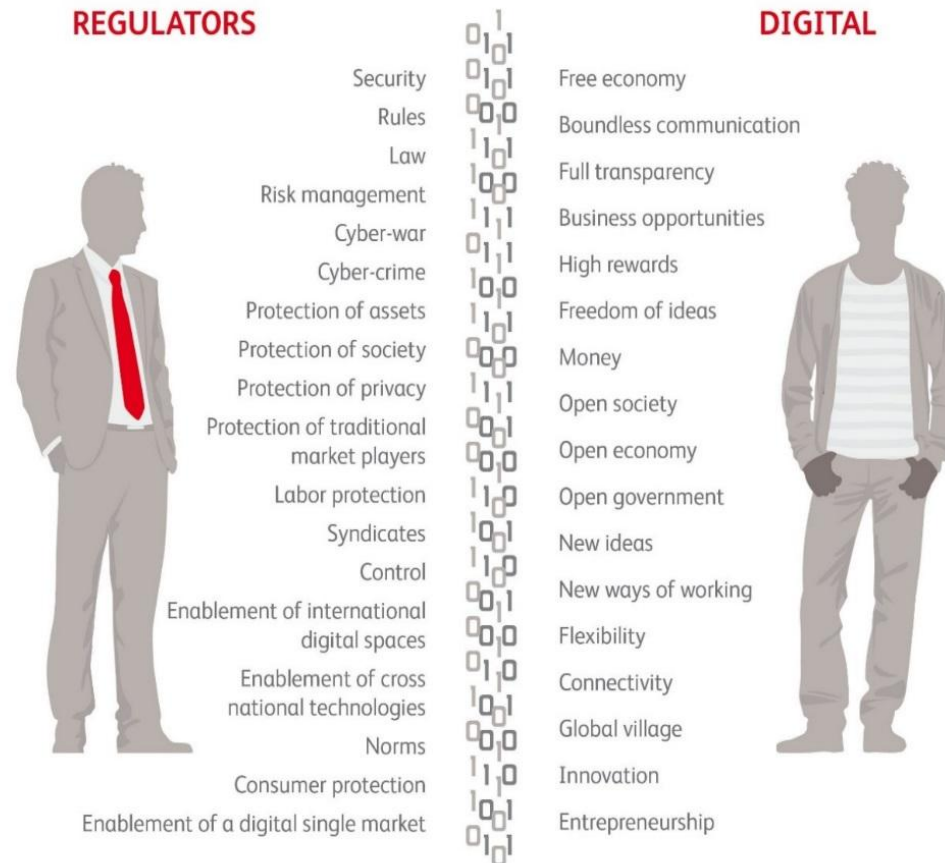
*Regulatory Challenges and Opportunities in the new ICT Ecosystem*

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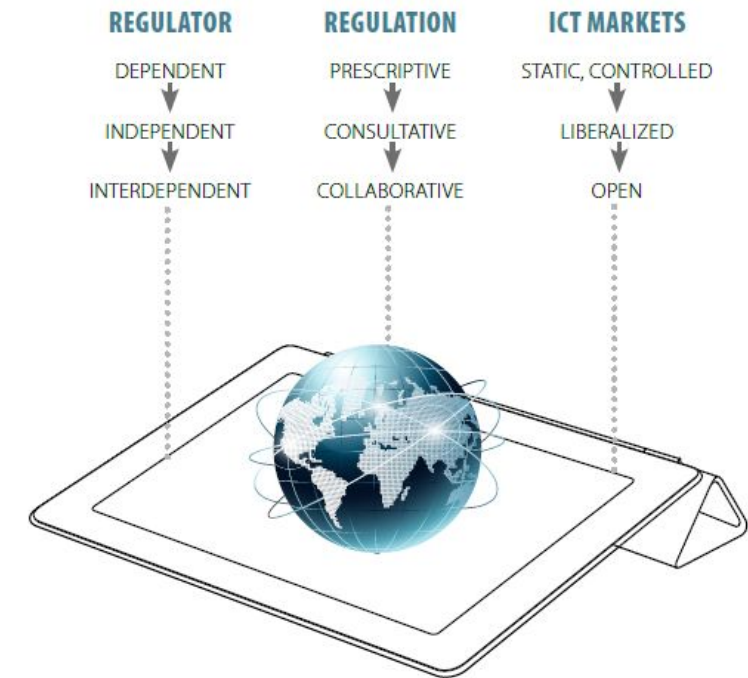
# Regulation for the digital economy

- Digital economy comes of age
- Regulation serves as the interface between governments, investors, service and content providers, and consumers
- New market realities call for new regulatory approaches and tools
- Challenges and opportunities go hand-in-hand and ICT regulators are under pressure to make the most of it



## CHANGING PATHS OF THE ICT REGULATOR, REGULATION AND MARKETS

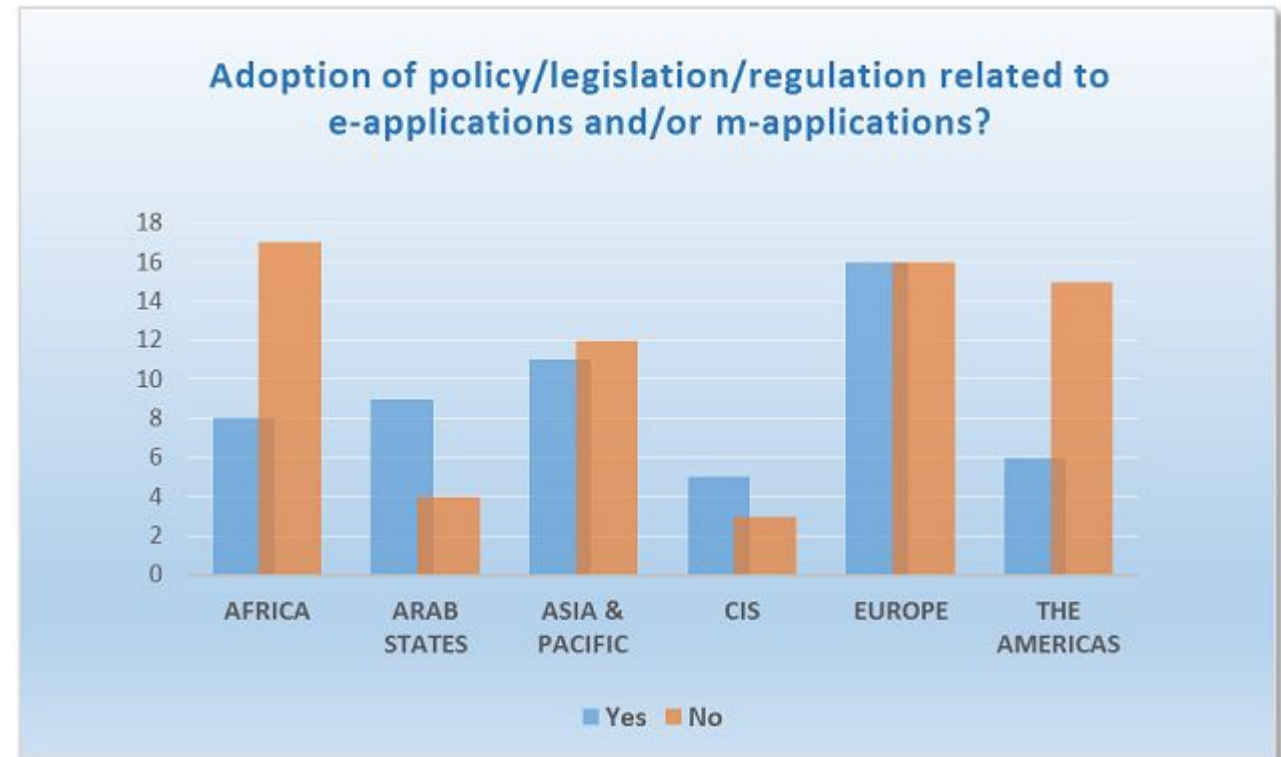
Source: ITU.





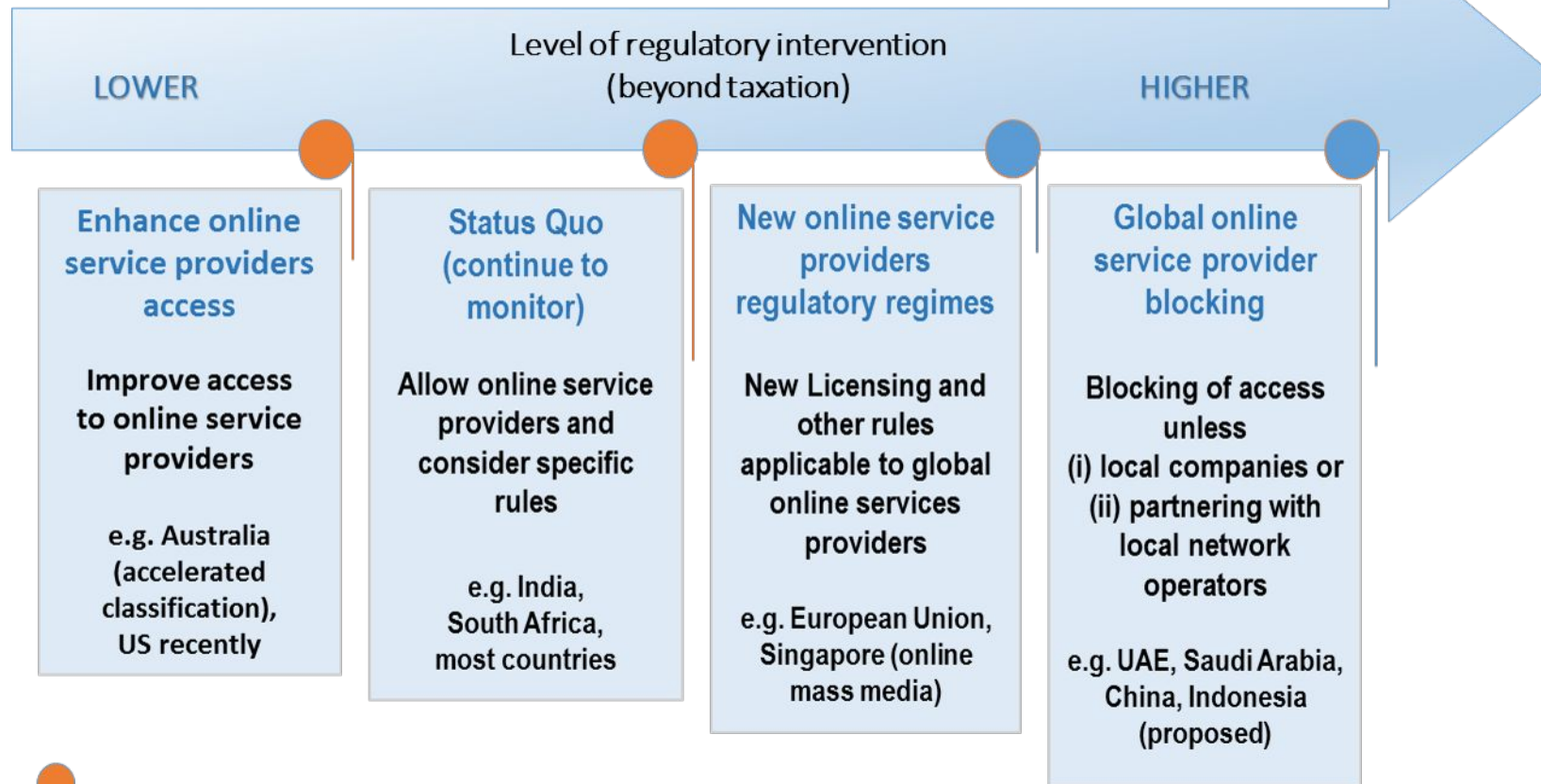
# Regulation for the digital economy

55 out of 122 countries reported in 2016 the adoption of policies, regulation/legislation related to e-applications and m-applications and their relationship with and across other sectors of the economy.



# Regulation for the digital economy

## Continuum of possible regulatory responses for the Digital Ecosystem



There is a continuum of possible regulatory responses/measures which provides options in theory, from minimalistic interventions such as behavioural remedies (lower) to those that are more structural (higher) requiring legislative amendments and/or issuing of subsidiary legislation.

- **Behavioral:** review, regulatory decisions, international co-operation
- **Structural:** Legislative amendments or issuing of subsidiary legislation

# Suggested advice to policy makers and telecommunication/ICT regulators



- Undertake a review of the regulations applicable to network operators and OTT players:
- Update the license conditions and as required provide deeming provisions for non-res-ident OTT providers, etc.:
- Assess and continually monitor the state of competition in the market:
- Collaborate with tax authorities
- Promote and facilitate ubiquitous broadband
- Ensure adequate and up to date data protection, privacy and cyber security legislation based on global exemplars
- Assess and investigate the implications on domestic operators and stakeholders from the take up of online services:
- Secure fair and equitable taxation arrangements
- Establish co-ordination procedures between regulators:
- Engage in greater public awareness and advocacy campaigns in relation to digital/ICT services:
- Engage more broadly with education and training sector:
- Concert at the regional level to come up with harmonized regulatory responses

# ITU BDT Digital Ecosystem Portal

## ITU is working on the Digital Economy from the point of view of:

- ✓ New Business Models
- ✓ The dynamic perspective of Telecommunicating/ICT regulation in the changing markets and new opportunities
- ✓ Socio-economic impact of the App Economy
- ✓ Region/countries case studies (e.g. Africa)

ITU is working on policy and regulatory research, collecting data on the evolution of the Digital Ecosystem and the impact of ICTs on the national and international economy. Recognizing the importance of the new Digital Ecosystem, this portal gathers information on its evolution, key findings from publications and research, country case studies, as well as models to measure the impact of ICTs on the national economy.

## ITU Digital Ecosystem Portal



*"To meet the expectations of a rapidly evolving digital ecosystem, policy makers and regulators need to adapt and develop more flexible, innovative and light-handed regulatory frameworks expanding beyond the traditional core telecom sector to take into account the multi-facet and multi-stakeholder dimensions of the digital world."*

Mr Brahima Sanou, Director,  
ITU Telecommunication Development Bureau (BDT)



# Policy and Regulatory Tools for Evidence Based Decision Making



ICTEYE

- ✓ *Knowledge Sharing Platforms and Strategic Dialogues*, in particular *The Global Symposium for Regulators (GSR)*, our annual flagship event for and with ICT Policy Makers and Regulators and Members to network, exchange, learn and collaborate
- ✓ *Cutting-edge data, research and publications for evidence-based decision making*, including:
  - **Global ICT Regulatory Outlook Report**, tracking market, regulatory and policy trends in the ICT sector and their implications across the sectors and the economy
  - **ICT Regulatory Tracker** – a unique tool covering 185+ countries for the period 2007-2016, showcasing regulatory progress within the same country, amongst regions and worldwide
  - **Various Thematic Reports and Portals** focusing on the evolution of and role of ICTs on digital transformation including on Collaborative Regulatory Frameworks, Digital Financial Inclusion, Affordable Access to Digital Services, the ITU International Mobile Roaming Portal, Digital Ecosystem Portal, Quality of Service Portal, etc.
  - **ICT Regulation Toolkit**, offering an online resource designed to address complex policy and regulatory challenges
  - **ICTeye**, a unique one-stop shop for telecommunications/ICT regulatory data collection and dissemination resulting from the annual Telecommunication/ICT Regulatory Survey and the Tariff Policies Survey



## ITU Digital Ecosystem Portal



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## ICT Regulation Toolkit

A global resource for policy-makers, regulators, the telecom industry, and consumers.

# ITU BDT Digital Ecosystem Reports and Papers

- ✓ REGULATORY CHALLENGES AND OPPORTUNITIES for the new ICT Ecosystem
  - ✓ The dynamic perspective of telecommunication/ICT regulation, the changing markets and the new opportunities.
- ✓ THE APP ECONOMY IN AFRICA: Economic benefits and regulatory directions
  - ✓ The current state of the App Economy in Africa and what are its actual and potential economic benefits, as well as policy and regulatory settings. Edition 2017
- ✓ SOCIAL AND ECONOMIC IMPACT of digital transformation on the economy Analysis of the social and economic impact of automation and digital transformation, its potential benefits, challenges and social and economic effects. GSR17 Discussion Paper
- ✓ ITU-D REPORT STUDY GROUP 1
- ✓ QUESTION 1/1:
  - ✓ Policy, regulatory and technical aspects of the migration from existing networks to broadband networks, including NGN, m-services, OTTs and implementation of IPv6. Edition 2017
- ✓ THE RACE FOR SCALE: Market power, regulation and the App Economy
  - ✓ The economics of the App economy and a qualitative and quantitative economic methodology to analyze its contribution to the economy. Edition 2016
- ✓ BUILDING BLOCKS FOR SMART SOCIETIES in a Connected World: a Regulatory Perspective on Fifth Generation Collaborative Regulation
  - ✓ Recommendations to enable the deployment of smart societies. The roles and responsibilities of all stakeholders and regulatory actions. Edition 2016
- ✓ TRENDS IN TELECOMMUNICATION REFORM 2015: Getting ready for the digital economy
  - ✓ The changing ICT consumer behaviour, why competition matters in a digital economy, and what are the new business models driven?
- ✓ TRENDS IN TELECOMMUNICATION REFORM Fourth-generation regulation: Driving digital communications ahead
  - ✓ The dialogue of world's ICT policy-makers and regulators to foster economic and market growth by ensuring that citizens safely benefit from digital opportunities. Special edition 2014





# Thank you

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