



# Policy & Regulatory Approaches for digital Infrastructure and Services

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# Introduction

- Nations depend on the quality of their infrastructure to improve:
  - Productivity
  - International Competitiveness
  - Economic Growth
  - Living standards
- in 21<sup>st</sup> Century digital economy (Industrial revolution 4.0) is being enabled by and driven by communication services and the infrastructure required to deliver them

# Intro... Cont..

As a greater proportion of economic activity is digitized, the quality and reach of communication services are becoming a more potent differentiator of national economic efficiency and International Competitiveness

# Digital Globalization

- Digital globalization has brought has brought further complexity to policy making.
- Value chains are shifting:  
services/operation/economic activity  
Transformation
- Calling for countries to promote investment in digital infrastructure,
- Appropriately adapting policy environments for business
- Further, Technological developments blur the lines between industries

➡ NEW BUSINESS MODELS

# Consideration

Designing effective policy/regulatory approaches should consider number of issues:

1. Increasing need for investment in secure, high capacity networks
2. The need for agile policy approaches
3. Global and cross-boundary nature of digital services
4. Acceleration of regulatory development processes
5. Technological neutrality regulatory design
6. Empowering users
7. Sufficient capacity/knowledge/resources in implementing effective regulatory approaches



# Efficient & Effective Approaches



Prioritize Digital Transformation  
and the Development of Digital  
Infrastructure





# Efficient & Effective Approaches



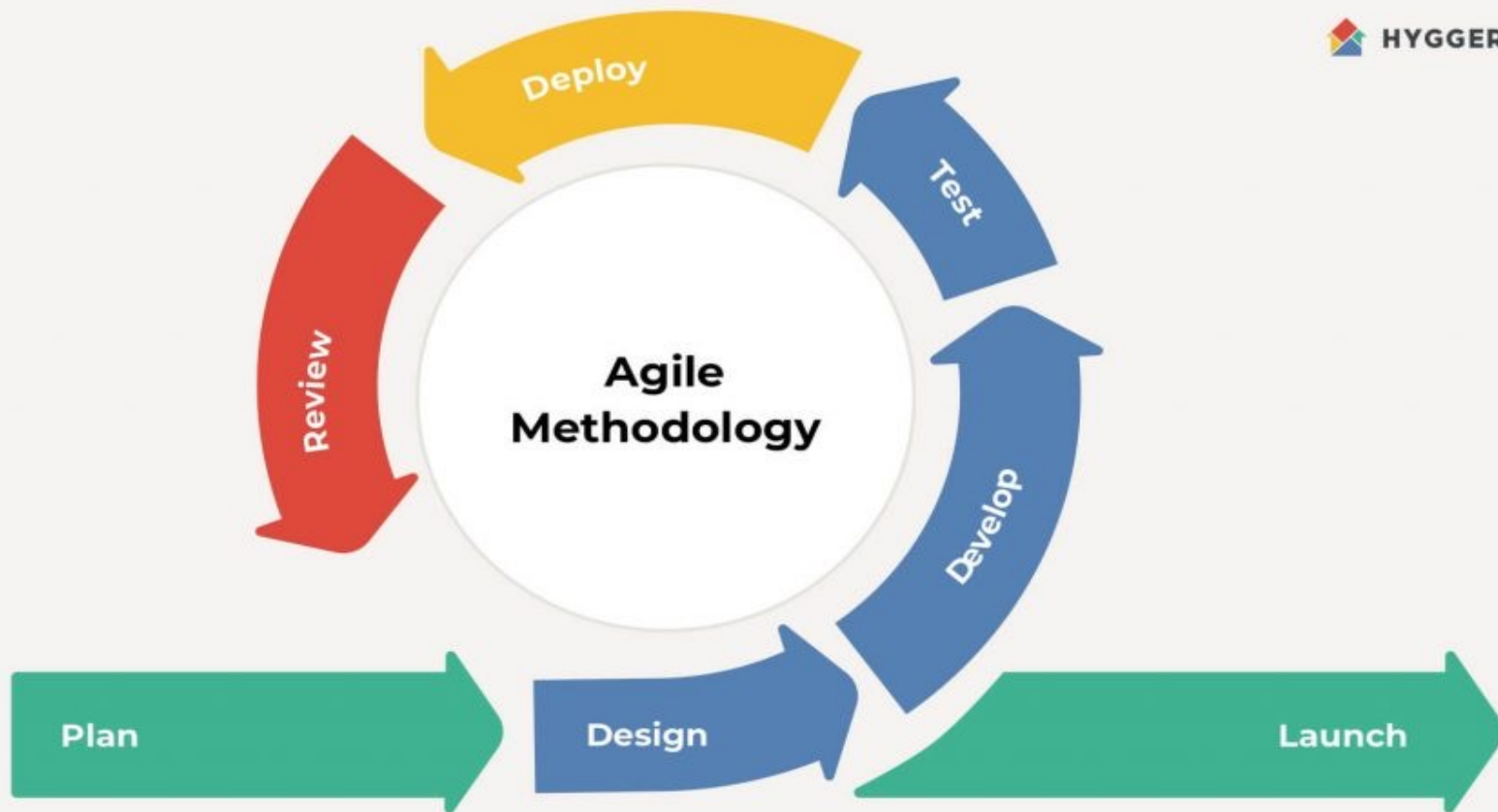
Adopt a principles-based,  
technology neutral approach,  
giving companies the space to  
innovate



# Efficient & Effective Approaches



Develop agile approaches to  
regulatory policy frameworks





# Efficient & Effective Approaches

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Review existing regulatory  
frameworks



# Efficient & Effective Approaches



Integrate Digitalization effectively  
into government regulatory  
processes and other services



# Efficient & Effective Approaches



Promote regulatory coherence  
and Interoperability

## Historical perspective

## Future perspective

### Scope

Telecom-specific policies and regulations to ensure competition

Technology-specific market definitions

Policies that recognize impact across entire ICT value chain

Converged fixed/mobile/cable definitions

### Approach

Heavy regulatory approach

Primarily ex-ante intervention to avoid harm

Regulations established by government authorities

Lightened approach and non-regulatory tools (e.g. transparency, self-regulation)

More ex-post to encourage experimentation (where competitive)

Collaboration with industry and other organizations

### Level of engagement

Policies and regulations established by national bodies and in select cases institutions (e.g. ITU)

Policies and regulations established at appropriate level (e.g. international where harmonization required, local where experimentation needed)



Thank you