



# TELECOMMUNICATION UNIVERSAL SERVICE AND ICT FOR POVERTY ALLEVIATION

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**MIT - ITU seminar on Universal Access**

1 - 2 August 2019  
Dunhuang, P.R China



# Dunhuang Initiative

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# Key Considerations



Deepen Coverage of Network  
**01**

Accelerate the pace of technology innovation  
**02**

Expand the space for applications  
**03**

Promote Joint development  
**04**

Improve Legal system  
**05**

Strengthen International Cooperation  
**06**

**Strengthen competition**  
**07**

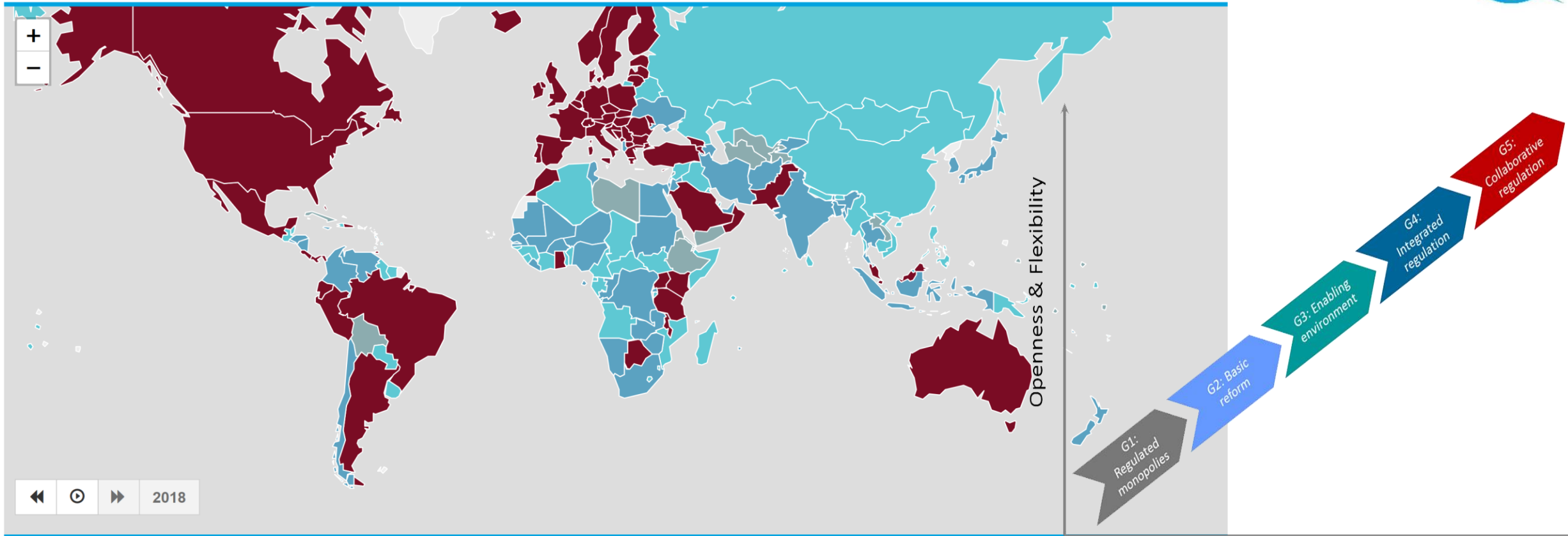
Enabling people on supply side  
**08**



# Relevant ITU tools and Activities

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# ITU ICT regulatory Tracker



- Generations of ICT Regulation**
- 1st generation: Tracker score 0 - 40
  - 2nd generation: 40 - 70
  - 3rd generation: 70 - 85
  - 4th generation: 85 - 100

**UNCS Disclaimer:**  
 The designations employed and the presentation of material on this map do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted line represents approximately the Line of Control in Jammu and Kashmir agreed upon by India and Pakistan. The final status of Jammu and Kashmir has not yet been agreed upon by the parties. Final boundary between the Republic of Sudan and the Republic of South Sudan has not yet been determined. Final status of the Abyei area is not yet determined. A dispute exists between the Governments of Argentina and the United Kingdom of Great Britain and Northern Ireland concerning

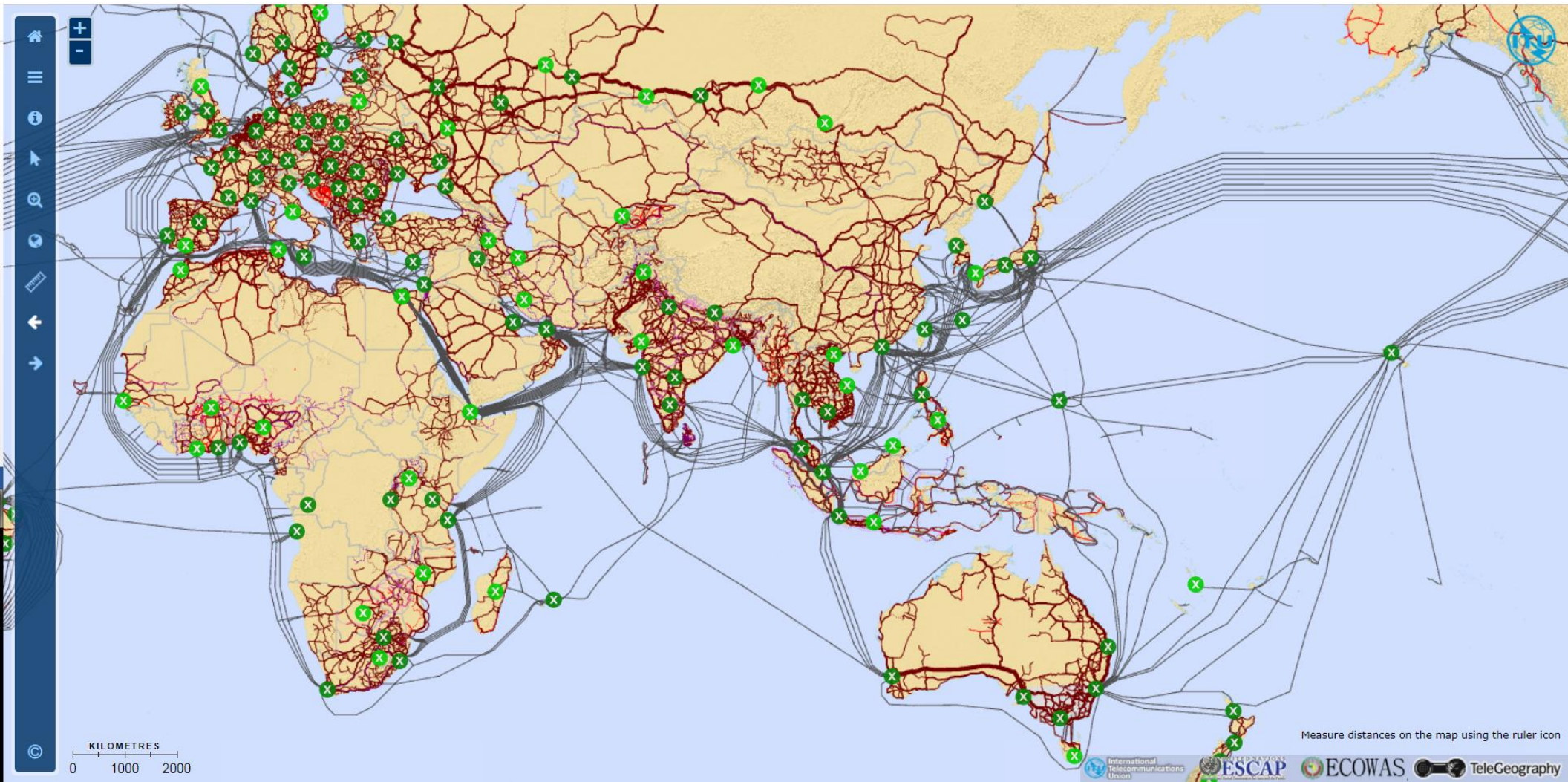
**See also:**  
[ITU Transmission Map](#)

Effectiveness

Source: ITU (<https://www.itu.int/net4/itu-d/irt/#/map?ind=generation-of-regulations&year=2018> )



# ITU-UNESCAP : INTERACTIVE TERRESTRIAL TRANSMISSION MAPS



(Link : <http://www.itu.int/itu-d/tnd-map-public/>)

**Lack of direct access to sea a challenge some lesser connected areas**

# ICT Statistics



## ICT Price Baskets (IPB)

# ITUdata

IPB Rank

IPB Time Series

IPB Comparison

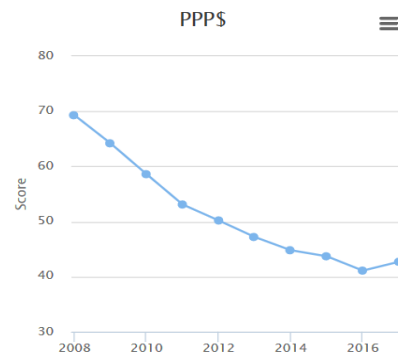
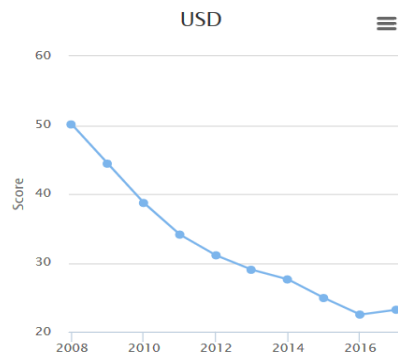
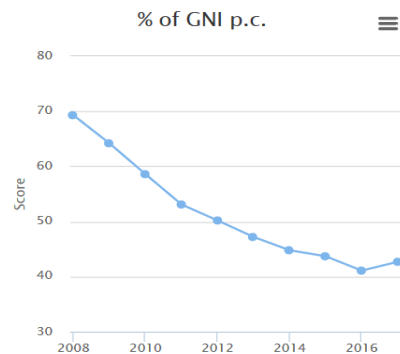
Basket :

Mobile-cellular basket

Region / Economy :

Developing

Rank	Year	% of GNI p.c.	USD	PPP\$	Tax rate included (%)
N/A	2008	69.30	50.10	69.30	N/A
N/A	2009	64.20	44.40	64.20	N/A
N/A	2010	58.60	38.70	58.60	N/A
N/A	2011	53.10	34.10	53.10	N/A
N/A	2012	50.20	31.10	50.20	N/A
N/A	2013	47.20	29.00	47.20	N/A
N/A	2014	44.80	27.60	44.80	N/A
N/A	2015	43.70	24.90	43.70	N/A
N/A	2016	41.10	22.50	41.10	N/A
N/A	2017	42.70	23.20	42.70	N/A





# PARTNERSHIPS IS ONE OF THE CORE STRATEGIES FOR THE ITU TO IMPLEMENT PROJECTS AND PROGRAMS: EXAMPLES FROM ASIA-PACIFIC



## Government agencies



## UN agencies Regional and International Organizations, Associations



## Industry







**I T**hank **U** “Committed to  
connecting the  
WORLD”



# WTDC-17 : ITU-D OBJECTIVES AND ASIA-PACIFIC REGIONAL INITIATIVES

## ITU-D OBJECTIVES 2018-2021

Foster international cooperation and agreement on telecommunication/ICT development issues

Modern and secure telecommunication/ ICT Infrastructure: Foster the development of infrastructure and services, including building confidence and security in the use of telecommunications/ICTs

Enabling environment: Foster an enabling policy, and regulatory environment conducive to sustainable telecommunication/ICT development

Inclusive digital society: Foster the development and use of telecommunications/ICTs and applications to empower people and societies for sustainable development

## ASIA-PACIFIC REGIONAL INITIATIVES 2018-2021

Addressing special needs of LDCs, SIDs including Pacific island countries and LLDCs

Harnessing ICTs to support the digital economy and an inclusive digital society

Fostering development of infrastructure to enhance digital connectivity

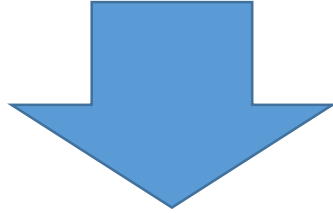
Enabling policy and regulatory environments

Contributing to secure and resilient environment



# POLICY AND REGULATION

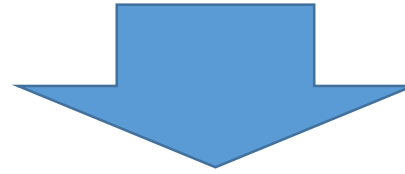
## RR and ITP



*ACMA Australia , TRAI India  
KCC R.O. Korea , MCMC  
Malaysia , PTA Pakistan  
BTRC , Bangladesh ,*

*NBTC Thailand , 2019*

## Direct Country Assistance



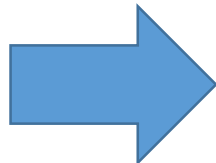
*Cost Modelling, Competition ,  
Quality of Service, **USO**  
**EMF Radiation**, Spectrum, Cross  
Border Interference, Strategic  
Plan , Broadband Policies,  
Innovation Policy*

## Trainings



*Regulatory  
capacity  
building  
Trainings*

**2018-19**



- Cost Modelling training in Brunei
- USO 2.0 framework development for ASEAN region
- Cost Effective Remote Connectivity for rural areas
- License renewal for mobile communication in Vietnam

- **Philippines: Selection of the third telecom operator**
- Regulatory training in Myanmar