Towards Equitable Connectivity

ITU-ADB Joint Webinar

Advances in Closing the Connectivity Gap in Asia-Pacific: *Better Analysis, Understanding and Solutions*

Wednesday, 23 September 2020,
Online

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Scope

01
Defining the situation in ASP

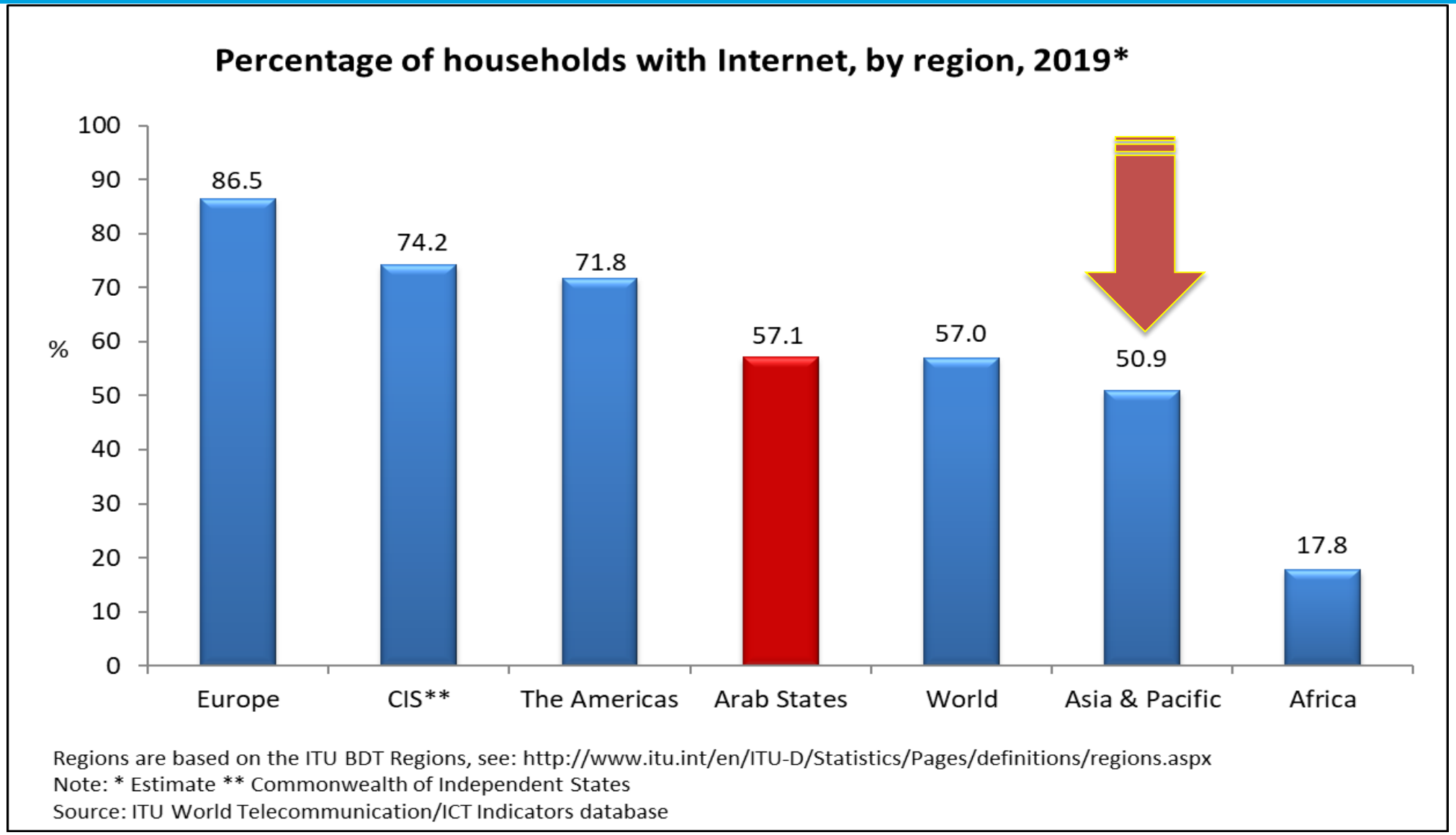
02
Areas of Intervention

03
Tools & Initiatives

04
Impactful Partnerships: Example

05
Conclusion

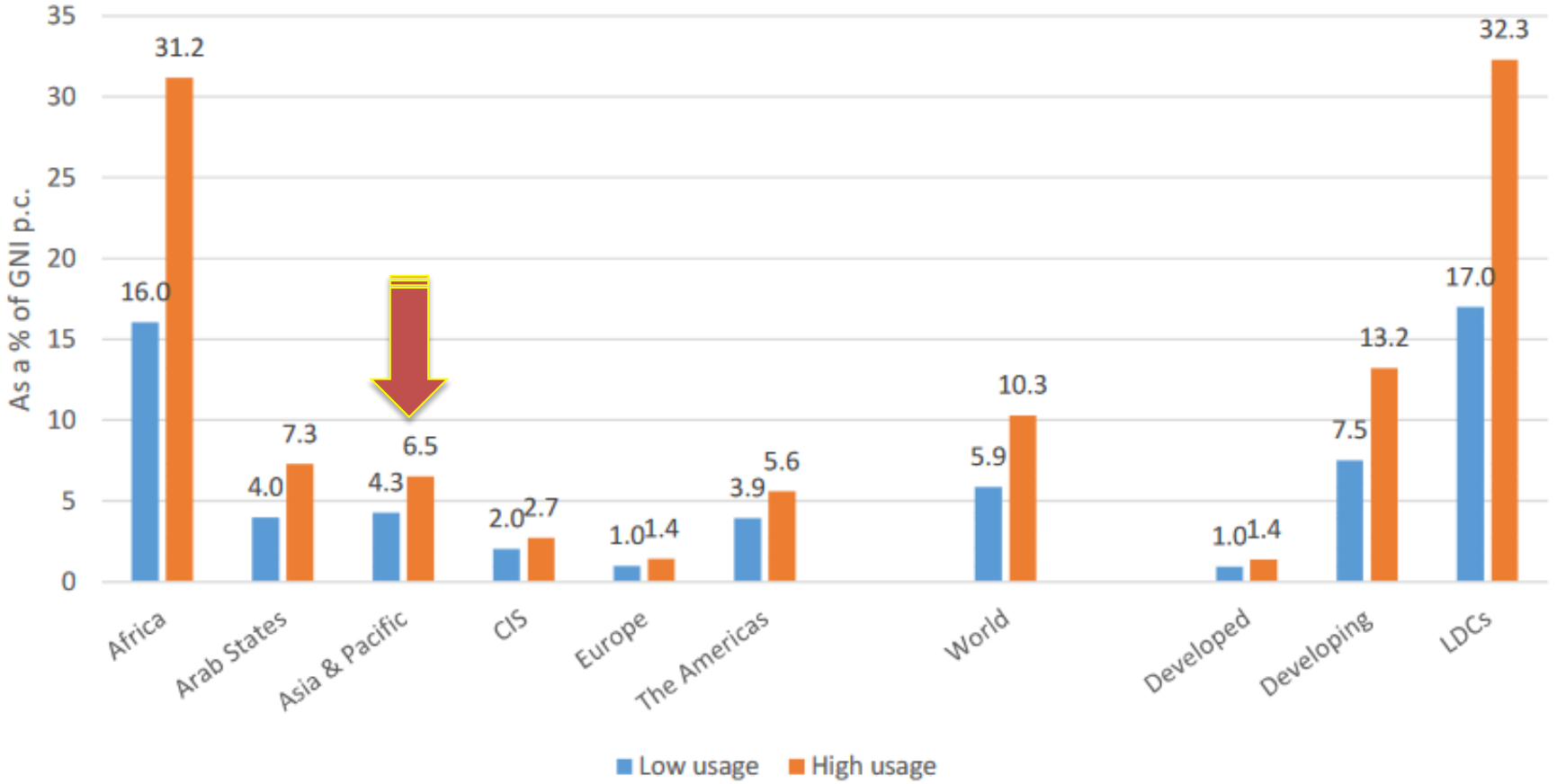
Our Problem Graphically: Connectivity



Regions are based on the ITU BDT Regions, see: http://www.itu.int/en/ITU-D/Statistics/Pages/definitions/regions.aspx
Note: * Estimate ** Commonwealth of Independent States
Source: ITU World Telecommunication/ICT Indicators database

Our Problem Graphically: Affordability

Mobile-data-and-voice baskets as a % of GNI, 2019



Note: Simple averages. Based on 182 economies for high-usage data and voice baskets and 179 economies for low-usage data-and-voice baskets for which data on prices of mobile-data-and-voice baskets in PPP$ are available for the year 2019.
Source: ITU. GNI p.c. data are from the World Bank.

https://www.itu.int/en/ITU-D/Statistics/Documents/publications/prices2019/ITU_ICTpriceTrends_2019.pdf

Possible interventions for Solutions

Resilient Infrastructure

- Where to achieve most Impact?
- How Capex and which technology?
- Roll out issues
- Spectrum availability?

- **Tools**
- **Partnerships**
- **Spectrum harmonization**
- **Regulatory regime**
- **Policy Interventions**

Affordability

- Competition and market of scales
- Taxation, affordable devices
- Rural connectivity
- Best practices

- **Policy Interventions**
- **Regulatory regime**
- **USOF**
- **Guidelines**
- **Capacity building**

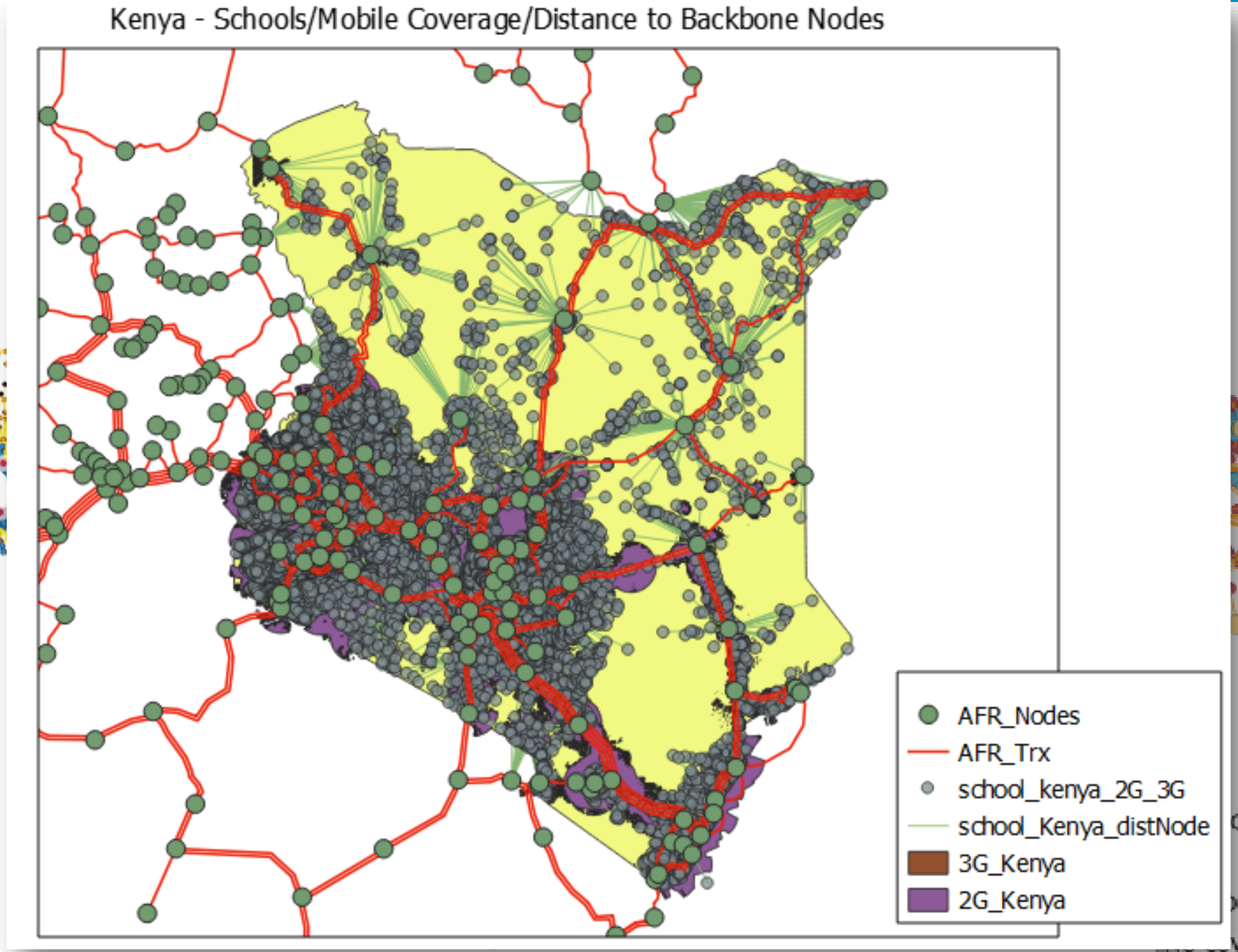
Possible interventions for Solutions

ONE SIZE FITS ALL SOLUTION?

Targeted interventions needed

using

Best Practices / Guidelines / Toolkits


Kenya - Schools/Mobile Coverage/Distance to Backbone Nodes
AFR_Nodes
AFR_Trx
school_kenya_2G_3G
school_Kenya_distNode
3G_Kenya
2G_Kenya

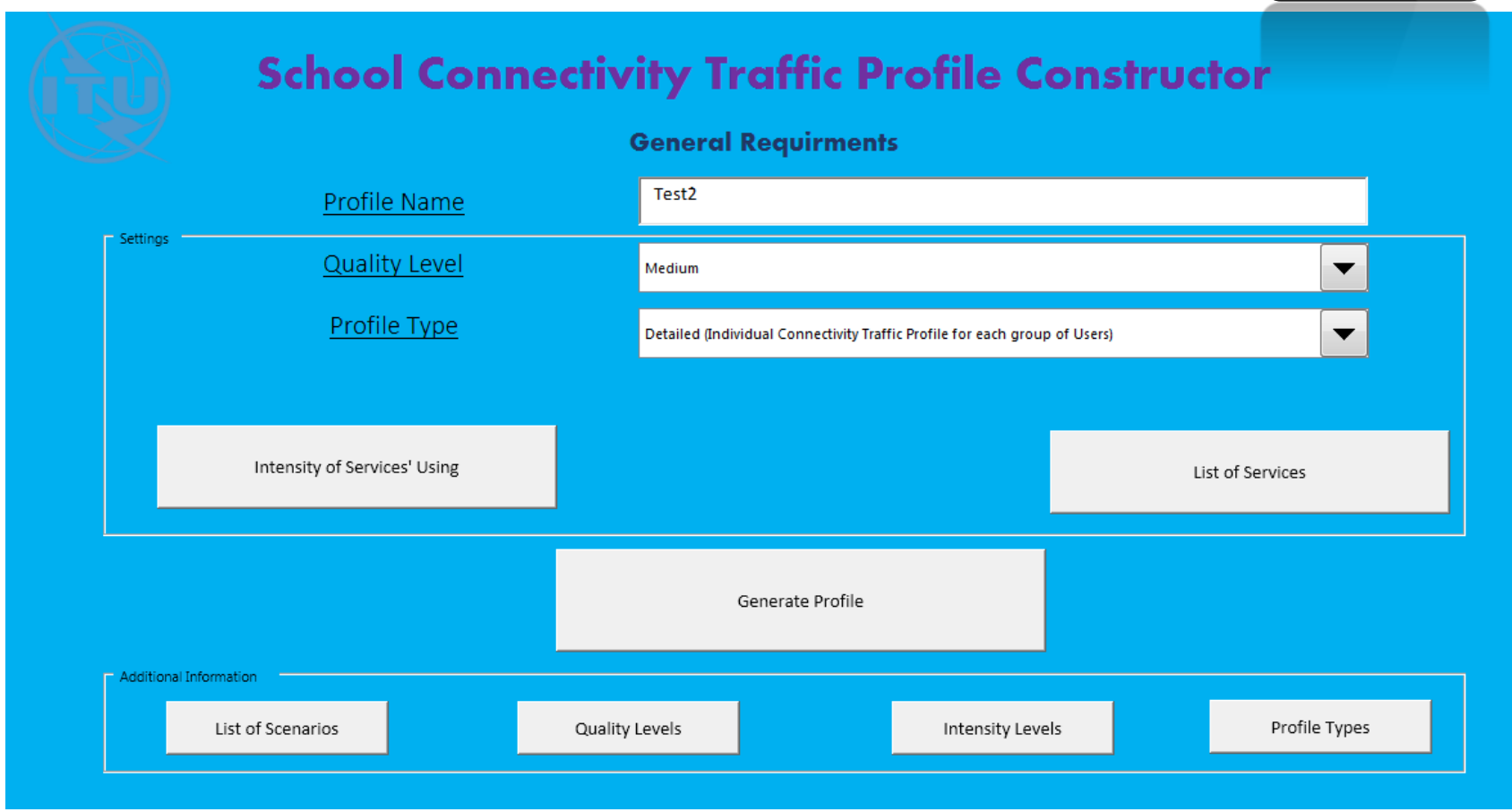
Last Mile connectivity Toolkit

ITU Last Mile connectivity Toolkit

An umbrella for various Last Mile Connectivity resources including:

- ITU Last Mile Internet Solutions Guide (October 2020)
- ITU Broadband Diagnostic Tools (October-December 2020)
- ITU courses on building, maintaining and monitoring a Last Mile network (Q2 2021)
- Additional resources on last mile connectivity from ITU and from various partners (December 2020)

Coordination and collaboration on Last Mile Connectivity resources, projects and initiatives (Q1 2021)



GIGA

6 targeted countries In ASP
Pakistan, Bhutan, Bangladesh, Mongolia, Vanuatu, PNG.

Map schools to identify connectivity gaps

Build affordable and sustainable **Finance** models

Identify fit for purpose infrastructure to **Connect** schools

Empower digital education via appropriate Digital Public Goods

More Information at : https://www.itu.int/en/ITU-D/Initiatives/GIGA/Pages/default.aspx

Connect2RECOVER

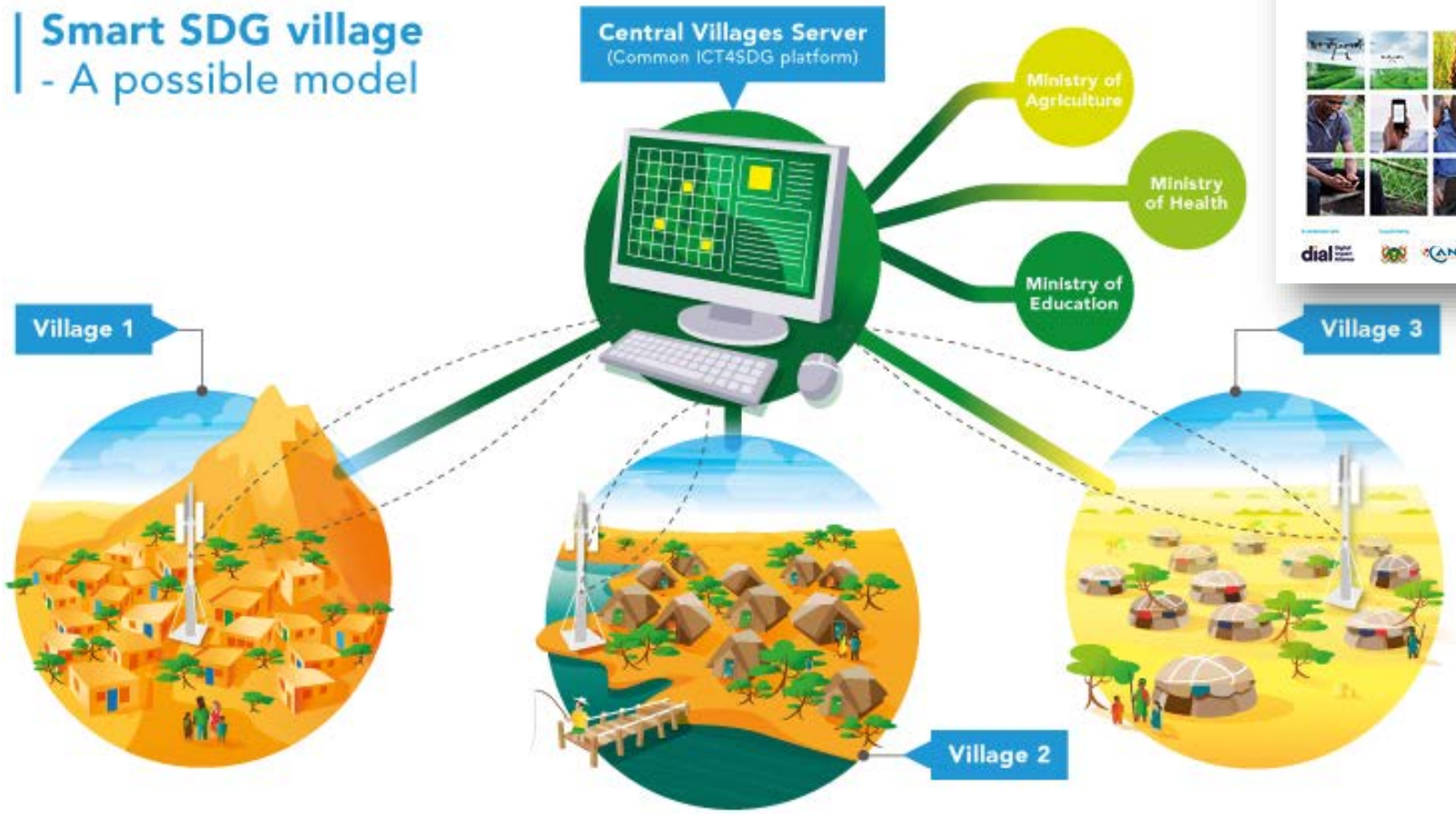
Global initiative that aims to reinforce national digital infrastructures and ecosystems to support the COVID-19 response, recovery and preparedness for the 'new normal'

- Methodology
- Country Assessments
- Country Strategies
- Pilot Projects
- Topic-based Deep Dives

Reach out to us to:

- Support
- Partner
- Find out how you could benefit

Smart Village/island



- **Multi-stakeholder**, cross sectoral initiative
- **Cost-effective** solution accelerate the implementation of the SDG in remote areas through an integrated development and technology platform model.
- Aim to **increase the efficiency**, security and effectiveness of public services while reducing their cost, promoting transparency and good governance, enhancing traceability of transactions, and data exchanges, among others.

Impactful Partnerships: Example

Pacific Satellite connectivity and Development of Emergency Telecomm facility

https://www.scoop.co.nz/stories/WO1906/S00104/opening-of-the-pacific-satellite-connectivity-project.htm

https://www.telecompaper.com/news/kacific-powers-samoas-pacific-satellite-connectivity-project--1297007

https://news.itu.int/itu-and-kacific-join-forces-to-boost-emergency-telecoms-and-ict-development-in-vanuatu/

https://www.satelliteevolutiongroup.com/magazines/Americas-August2020/content/Digital%20Issue%20download.pdf

Samoa School Lab inauguration




Vanuatu: Inauguration in South Malekula Secondary School by Prime Minister and launching of connectivity to health facility which received connectivity from the VSAT in the school

In **Papua New Guinea**, the ICT regulator, National Information and Communications Technology Authority (NICTA), installed the Ku-Band terminals in rural Secondary High Schools using solar-powered solutions, given the lack of access to a stable electricity supply. The systems are now being used by the respective schools and surrounding communities, creating a rural e-community centre.

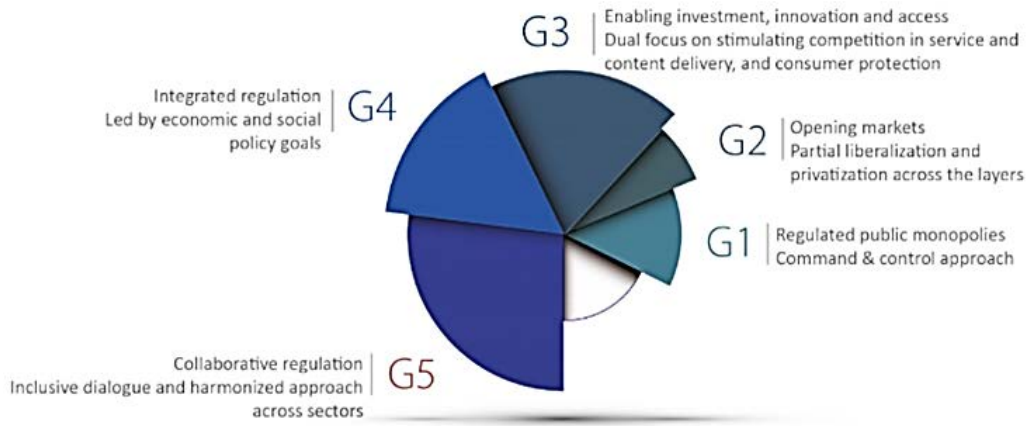
Implementation – Ka-Band in Vanuatu

Typhoon Harold April 2020

- Setting up VSAT at one of the Emergency Operations Center (EOC) in Luganville, Santo on 8th April 2020 by National ETC.
- Tower of MNO destroyed in Pentecoast

Conclusions

- ✓ **Improving connectivity in Asia-Pacific is a challenge but real solution is Affordable connectivity**



- ✓ **Tools, best practices and guidelines help in planning and strategizing investments to create the biggest impact**

- ✓ **Smart Partnerships are needed to deliver**

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THANK YOU

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