



digital app for education,
with curated content for
students and teachers



telemedicine service
for prevention and
control of diabetes



specialized app
for automated
pest detection



SMART VILLAGES AND ISLANDS

Whole-of-Government at community level





ITU Smart Villages and Smart Islands programmes are

designed to address the **socio-economic challenges** faced
by communities through **digital transformation** at
community level with emphasis on **vulnerable**
populations (women, youth, and persons with disabilities)

LEAVE NO ONE BEHIND

- Established access to broadband networks needed for delivery of digital services for all
- Improved resilience of networks and connectivity
- Shared broadband connectivity and devices
- Shared /common digital infrastructure
- Government support for universal service obligations (USO)
- Use of public-private partnership model
- Establishment of public WiFi in schools, hospitals, public offices and libraries
- Trainings and digital literacy programmes conducted and awareness raised in the target communities
- Collaboration with partners for cross-sectoral initiatives
- Creating community experts ownership
- Youth, women and persons with disabilities empowered through targeted activities
- Service delivery platform established for the development and delivery of digital applications and services
- Various digital applications and services developed and made available for socio-economic development, including e-learning, e-agriculture, e-health, e-commerce and e-tourism

Broadband connectivity accessible to remote islands

Enhanced affordability

Digital skills enhanced

Wide range of digital service delivered

Evidence-based, human-rights based, future-proof (integrated emerging technology), partnership-driven, whole-of-government approach

Limited access to broadband and digital services in remote islands / villages

Limited access to broadband connectivity

- Limited access to broadband networks needed for delivery of digital services
- Limited resilience in broadband connectivity
- Sustainability of broadband connectivity not established

Insufficient affordability

- Insufficient
- affordable devices
 - affordable Internet services
 - Wi-Fi in schools, hospitals, public offices, libraries...

Insufficient digital skills

- Insufficient
- training programmes
 - education opportunities
 - digital literacy and skills
 - awareness
 - community engagement
 - youth and women participation

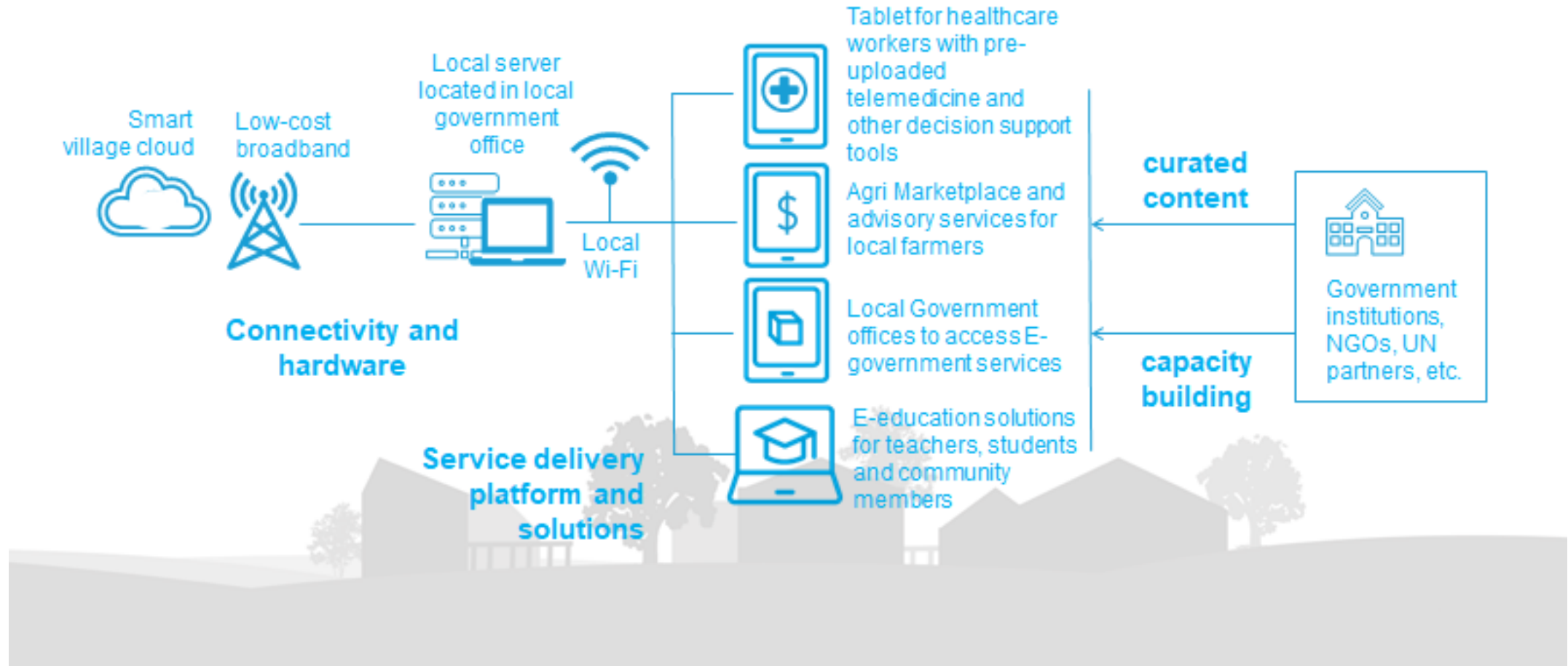
Limited digital services (access, scale and scope)

- Limited
- service delivery platforms
 - range of digital applications and services (e-commerce, education, health, finance, agriculture, tourism etc.)

THE CONCEPT OF SMART VILLAGES AND ISLANDS



SMART VILLAGES AND SMART ISLANDS IMPLEMENTATION HIGH LEVEL SCHEMATIC



EXPECTED IMPACT OF SMART VILLAGES AND ISLANDS

WHAT DOES IT DELIVER TO THE COUNTRY?

Reduced inequality, improved well-being and access to better jobs thanks to digital services



Education, health, government, e-commerce service provided through a shared digital platform



Enhanced sustainability and cross-sectoral partnerships by adopting an SDG linked whole-of-government approach



Co-creation and scaling up of SMEs and businesses by providing a platform to innovate



STEPS IN SMART VILLAGES AND SMART ISLANDS



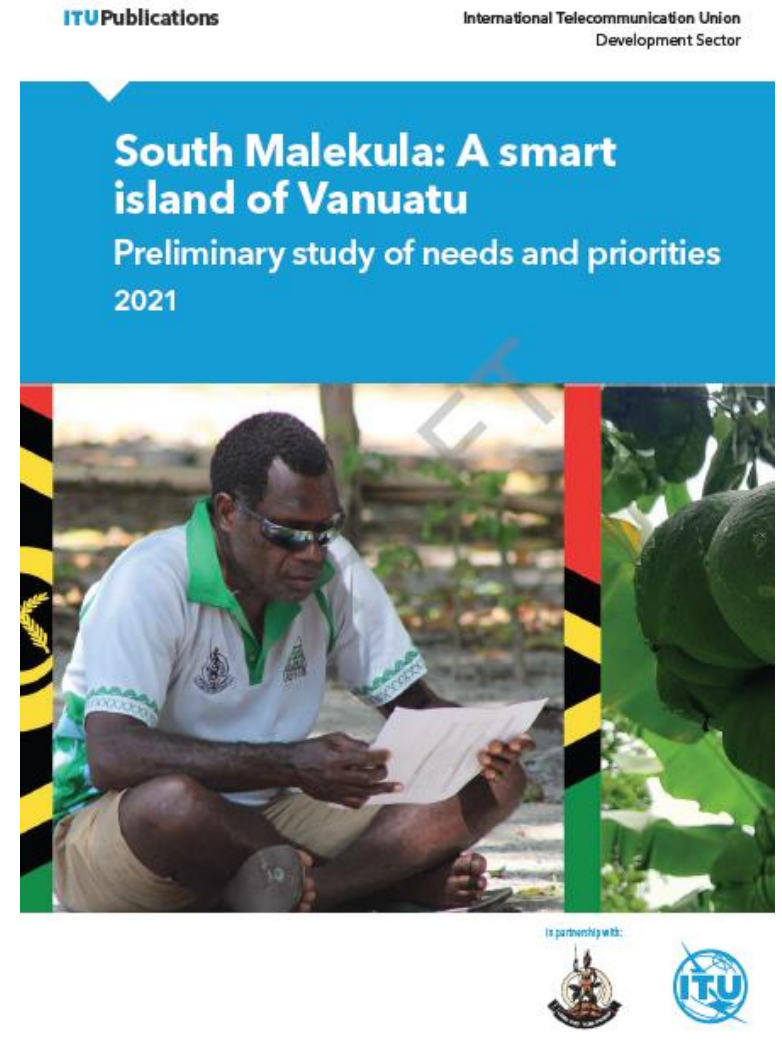
SMART ISLANDS MALEKULA

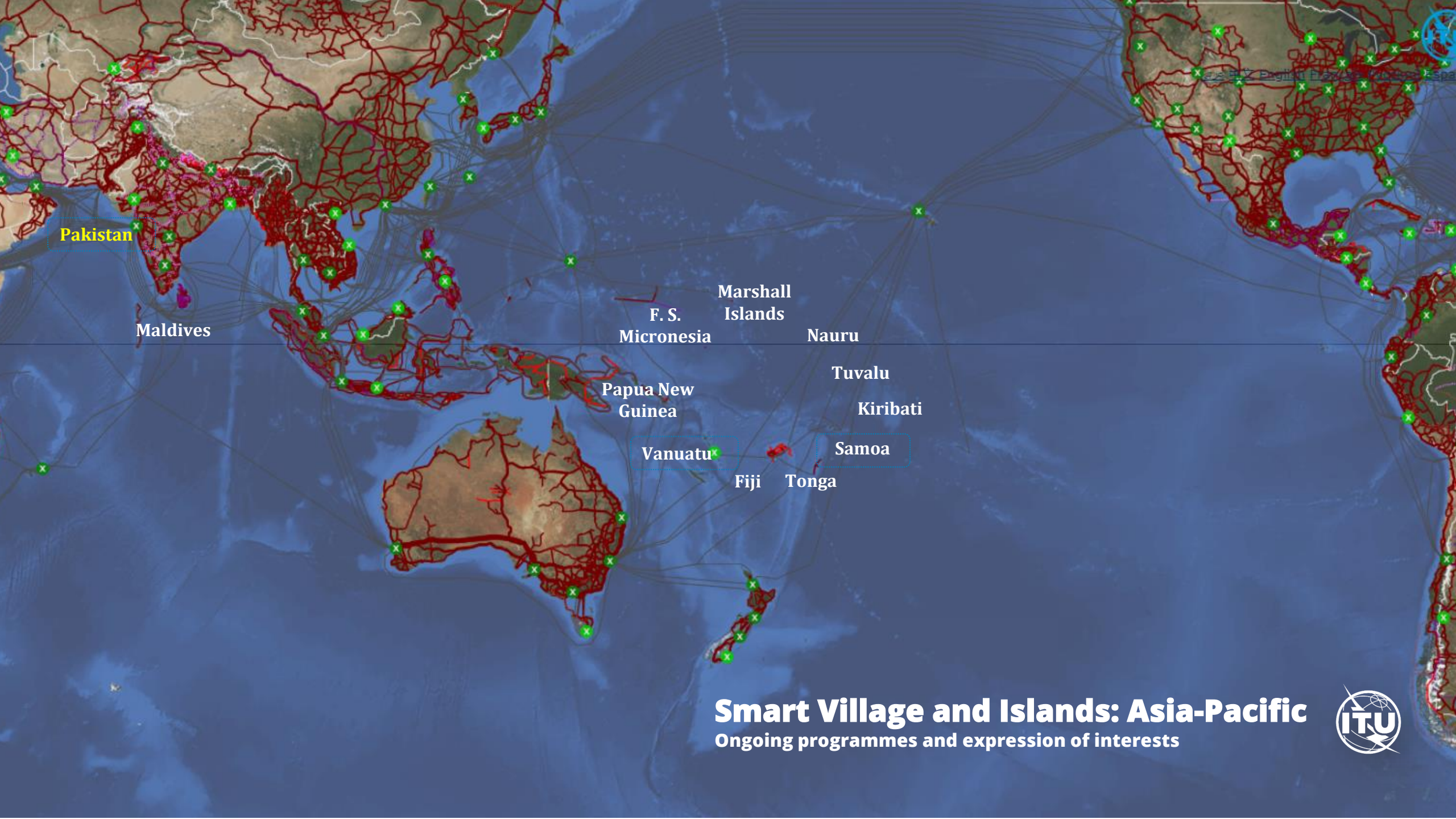
Priority community needs

- reliable and quality telecommunication network coverage;
- digital training;
- sales and marketing resources and skills,;
- a reliable power/energy supply;
- banking services;
- an improved education environment with reliable Internet services,;
- an improved health environment with digitally literate health workers;
- clean water and sanitation;
- adaptation to the effects of natural disasters and, importantly, climate change mitigation and adaptation measures;
- promotion of South Malekula as a destination for both domestic and international tourists

Following the needs assessment, government has adopted Smart Islands program for South Malekula. New partners have joined to support the implementation.

For further details, please visit <https://www.itu.int/en/ITU-D/ICT-Applications/Pages/smart-islands.aspx>





Pakistan

Maldives

F. S.
Micronesia

Marshall
Islands

Nauru

Papua New
Guinea

Tuvalu

Kiribati

Vanuatu

Samoa

Fiji

Tonga

Smart Village and Islands: Asia-Pacific
Ongoing programmes and expression of interests



- **Whole-of-Government approach to digital transformation at community level**
- **Scalable based on the size and need of the village or island**
- **Adopts a phased approach**
- **Investment per sector and per community is minimized, as the infrastructure and platforms can be used by various sectors and partner initiatives**
- **Multi-sectoral nature of the programme increases the sustainability in the medium to long term**

Smart Villages and Smart Islands are also under discussion of G20 Digital Economy Working Group

ONGOING PARTNERSHIP PROJECTS IN ASIA-PACIFIC

Smart Islands Vanuatu

ITU, National Government (Office of Government Chief Information Officer)
Department of Infrastructure, Transport, Regional Development and Communications (Australia),
UNCDF

Smart Islands Samoa

ITU,
Department of Infrastructure, Transport, Regional Development and Communications (Australia)

Smart Village Pakistan

ITU
Ministry of Information Technology and Telecommunication
/ Universal Service Fund (Pakistan)
Huawei

ITU – ADB cooperation on Smart Villages and Smart Islands in Papua New Guinea, Vanuatu and Fiji to start soon

UPCOMING JOINT PROGRAMMES (under development)

Accelerating SDG achievement through digital transformation to strengthen community resilience in Micronesia

UN Partners: ITU (Lead), FAO, ILO, UNESCO, UNICEF, UNOPS

Technical partner: UNODC

Countries: Federated States of Micronesia, Marshall islands, Nauru, Palau, and Kiribati

Project duration: 2 years (Expected start date April 2022)

Advancing the SDGs by Improving livelihoods and resilience via economic diversification and digital transformation

UN Partners: ILO (Lead), ITU, UNESCO, UNODC, UNOPS, OHCHR

Countries: Fiji, Solomon Islands, Tonga, Vanuatu, and Tuvalu

Project duration: 2 years



SMART ISLANDS REQUIRES AN ECOSYSTEM APPROACH



Australian Government
Department of Infrastructure, Transport,
Regional Development and Communications



National
Governments



Partnerships are critical

towards the success of smart villages and islands,
which is cross-sectoral in nature and requires
resources to scale up across sectors and across
geographies ...

EU STREIT

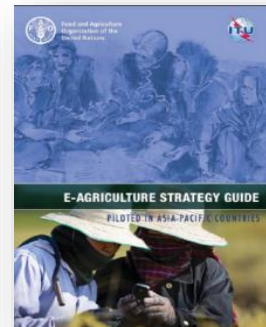
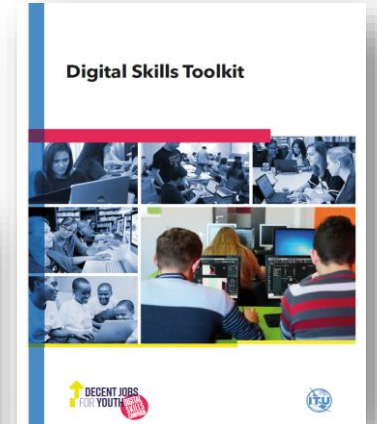
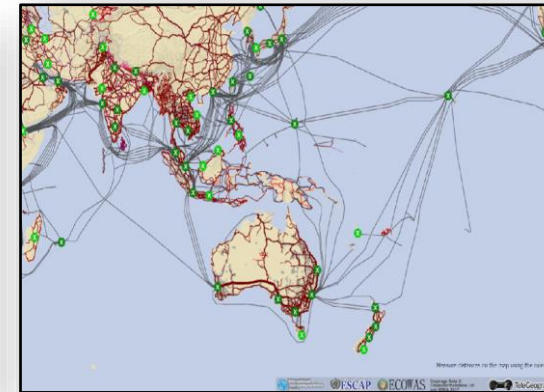
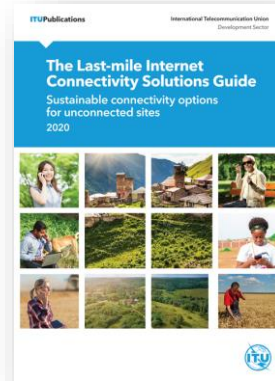


Food and Agriculture
Organization of the
United Nations



IMPLEMENTATION RESOURCES

A combination of resources for planning and implementing smart islands services, infrastructure, digital skills etc.



Thank You



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