

Digital transformation in the Pacific

ITU

Committed to connecting the world

ITU Regional Office for Asia and the Pacific

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Website: www.itu.int/itu-d/sites/asiapacific



@ITUAsiaPacific



ITU Regional Office for Asia and the Pacific



| What we do



'Committed to
Connecting the World'

193

MEMBER
STATES

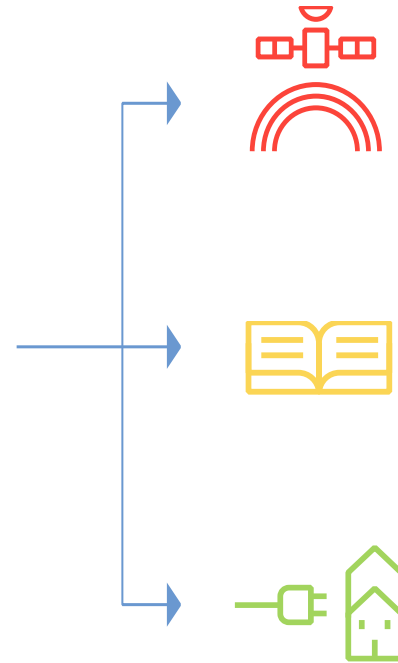
+700

INDUSTRY
&
INTERNATIONAL
ORGANIZATIONS

+150

ACADEMIA
MEMBERS

3
Sectors



ITU Radiocommunication

Coordinating radio-frequency spectrum and **assigning** orbital slots for satellites

ITU Standardization

Establishing global standards

ITU Development

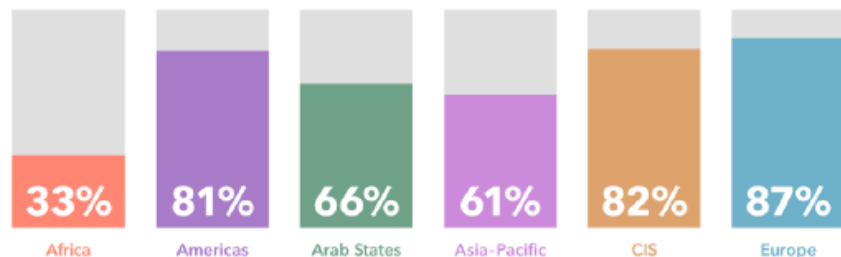
Bridging the digital divide

 **MEMBERSHIP**

The digital divide

Connectivity by region

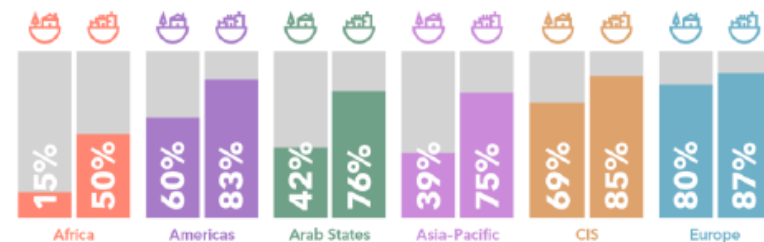
Percentage of individuals using the Internet in 2021



Source : ITU, Facts and Figures 2021

Regional urban/rural divide*

Percentage of individuals using the Internet in 2020

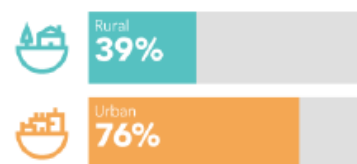


Source : ITU, Facts and Figures 2021
*ITU regions

Rural Urban

Global urban/rural divide

Individuals using the Internet in 2020



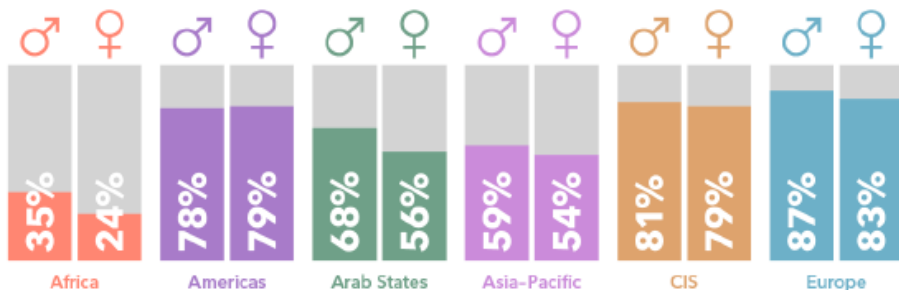
Developed Countries 85% 89%

Developing Countries 34% 72%

Source : ITU, Facts and Figures 2021

Regional gender gap*

Percentage of individuals using the Internet in 2020

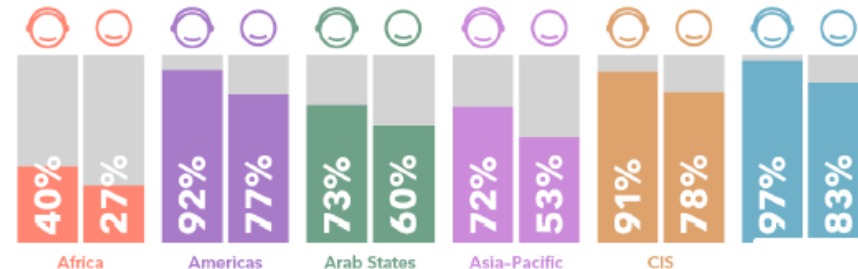


Source : ITU, Facts and Figures 2021
*ITU regions

Male Female

Regional generational gap*

Percentage of individuals using the Internet in 2020

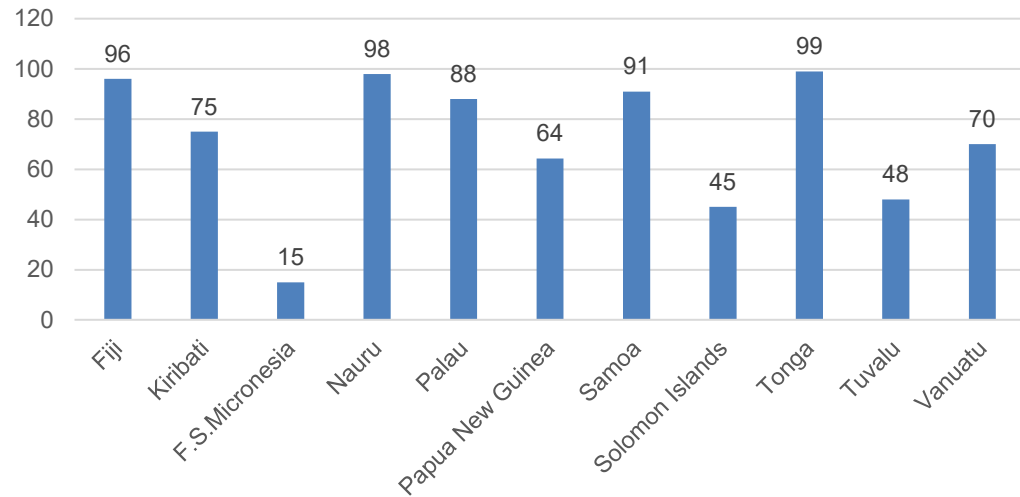


Source : ITU, Facts and Figures 2021
*ITU regions

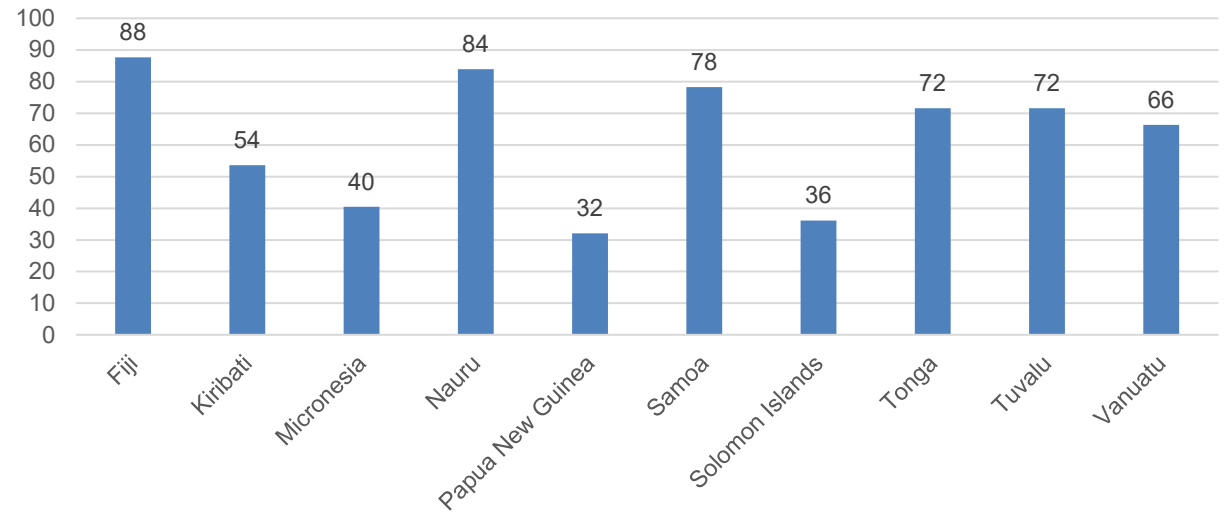
Youth (15-24 years old) Rest of the population

Connectivity in the Pacific

Percentage of the population covered by at least a 3G mobile network (2021)



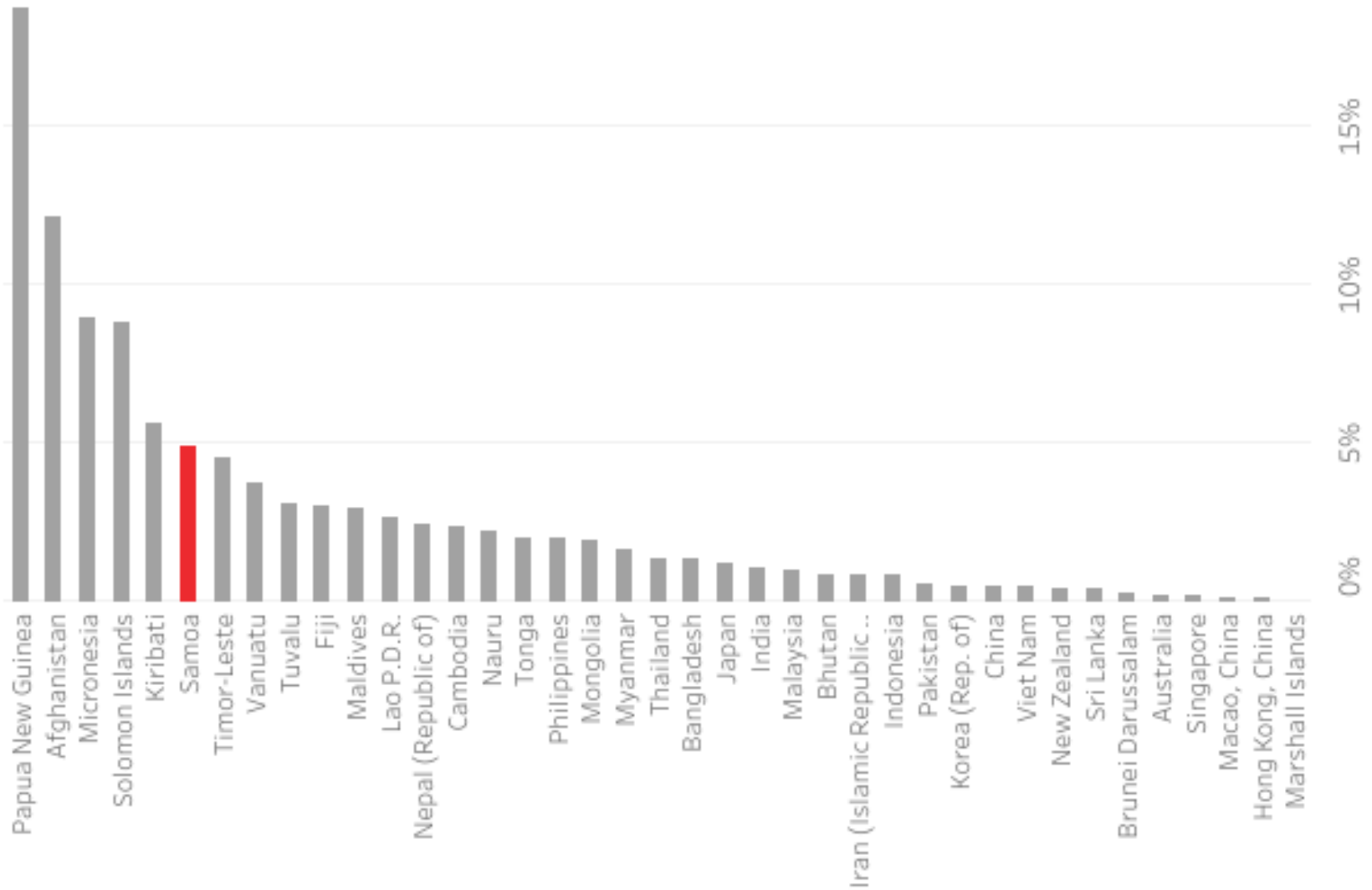
Internet Users (2021)



Connectivity in the Pacific



Broadband affordability (Mobile broadband basket as % of GNI (2021))



Affordability target

2% of GNI by 2025

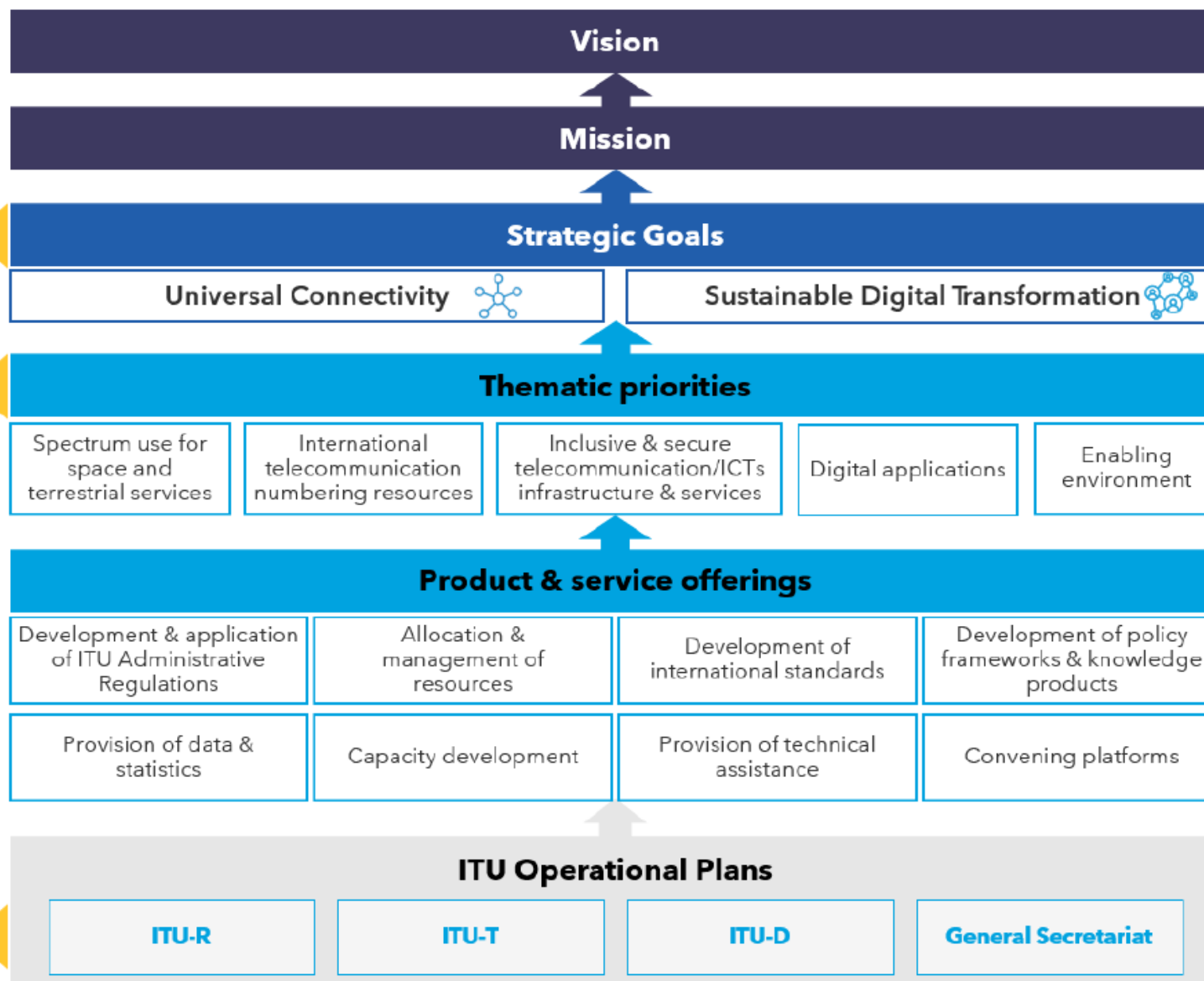
ITU Strategic Plan 2024-2027: Strategic framework visual



2030 TARGETS



2027 OUTCOMES



Membership-driven

Regional presence

Diversity & inclusion

Commitment to environmental sustainability

Partnerships & international cooperation

Resource mobilization

Excellence in human resources & organizational innovation

Enablers

OUTPUTS

ITU Regional Initiatives 2023-2025

Asia and the Pacific

ASP1

Addressing special needs of least developed countries, small island developing states, including Pacific island countries, and landlocked developing countries

ASP2

Harnessing information and communication technologies to support the digital economy and inclusive digital societies

ASP3

Fostering development of infrastructure to enhance digital connectivity and connecting the unconnected

ASP4

Enabling policy and regulatory environments to accelerate digital transformation

ASP5

Contributing to a secure and resilient ICT environment

Learn more at
www.itu.int/AsiaPacific



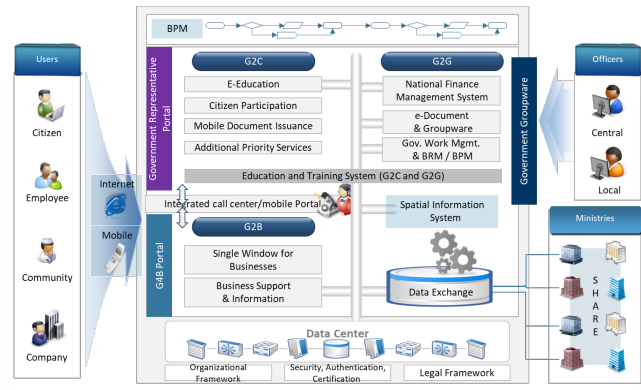
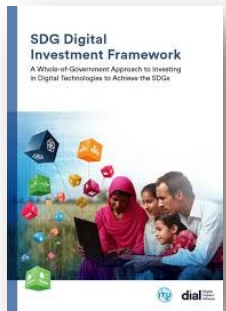
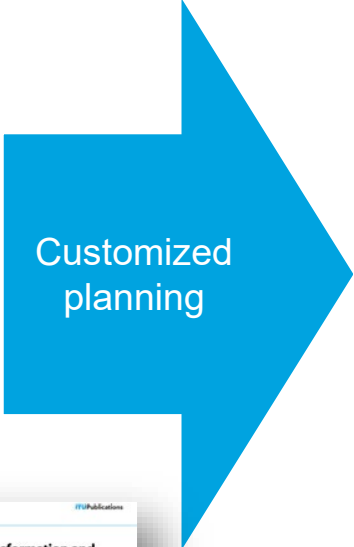
ITU Regional Initiatives
for Asia and the Pacific

Whole-of-government approach for digital development

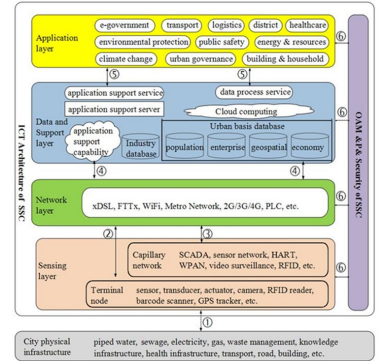
National Vision and SDG implementation plan



Legislations
Regulations



Smart city



Smart village



Smart Islands



DIGITAL TRANSFORMATION REQUIRES AN ECOSYSTEM APPROACH



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



National Governments



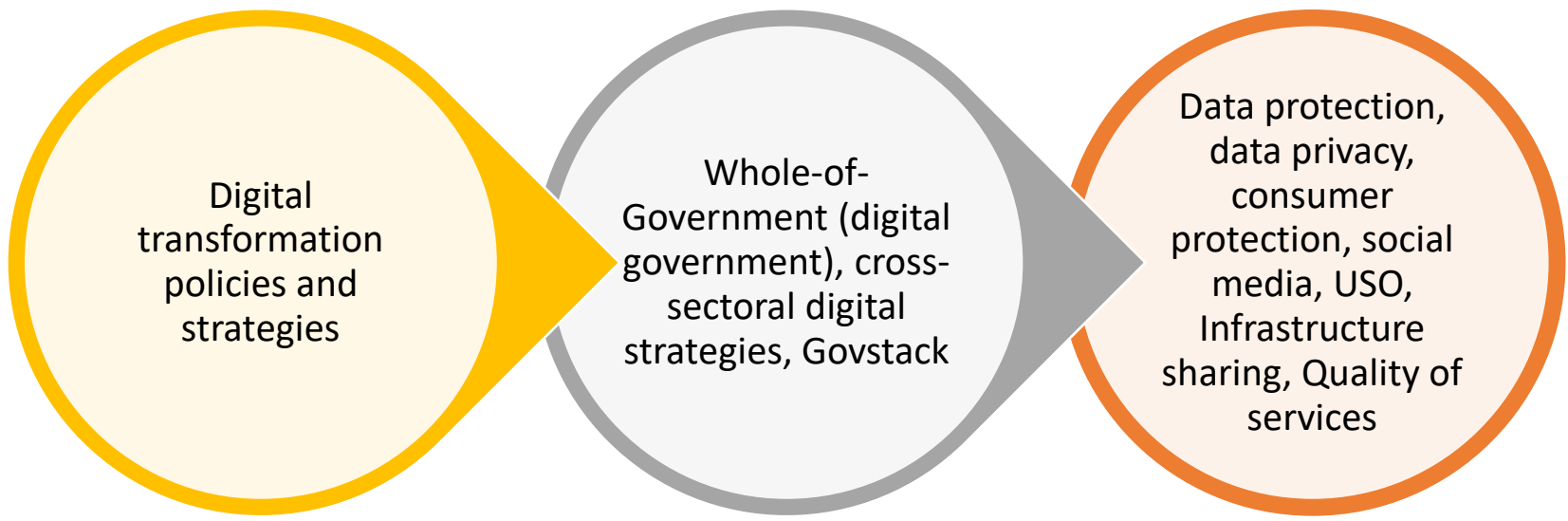
Partnerships are critical towards the success of smart villages and islands, which is cross-sectoral in nature and requires resources to scale up across sectors and across geographies ...



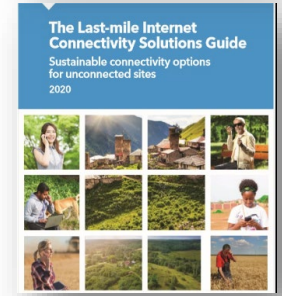
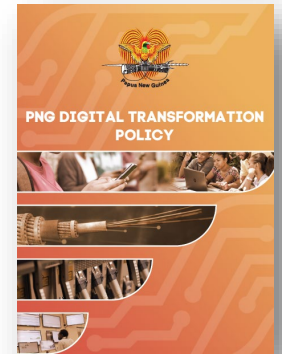
Food and Agriculture
Organization of the
United Nations



DIGITAL INFRASTRUCTURE AND POLICY A CRITICAL ENABLER TO BRING DIGITAL EXPERIENCE TO PACIFIC COMMUNITY



Internet Exchange Point (Samoa)



Digital transformation and cross-sectoral policies and strategies on the rise ...
Based on ITU's interaction with Members in the Pacific

Need to go hand in hand with **satellite** and **terrestrial** to provide
an inclusive end to end **Digital Experience**

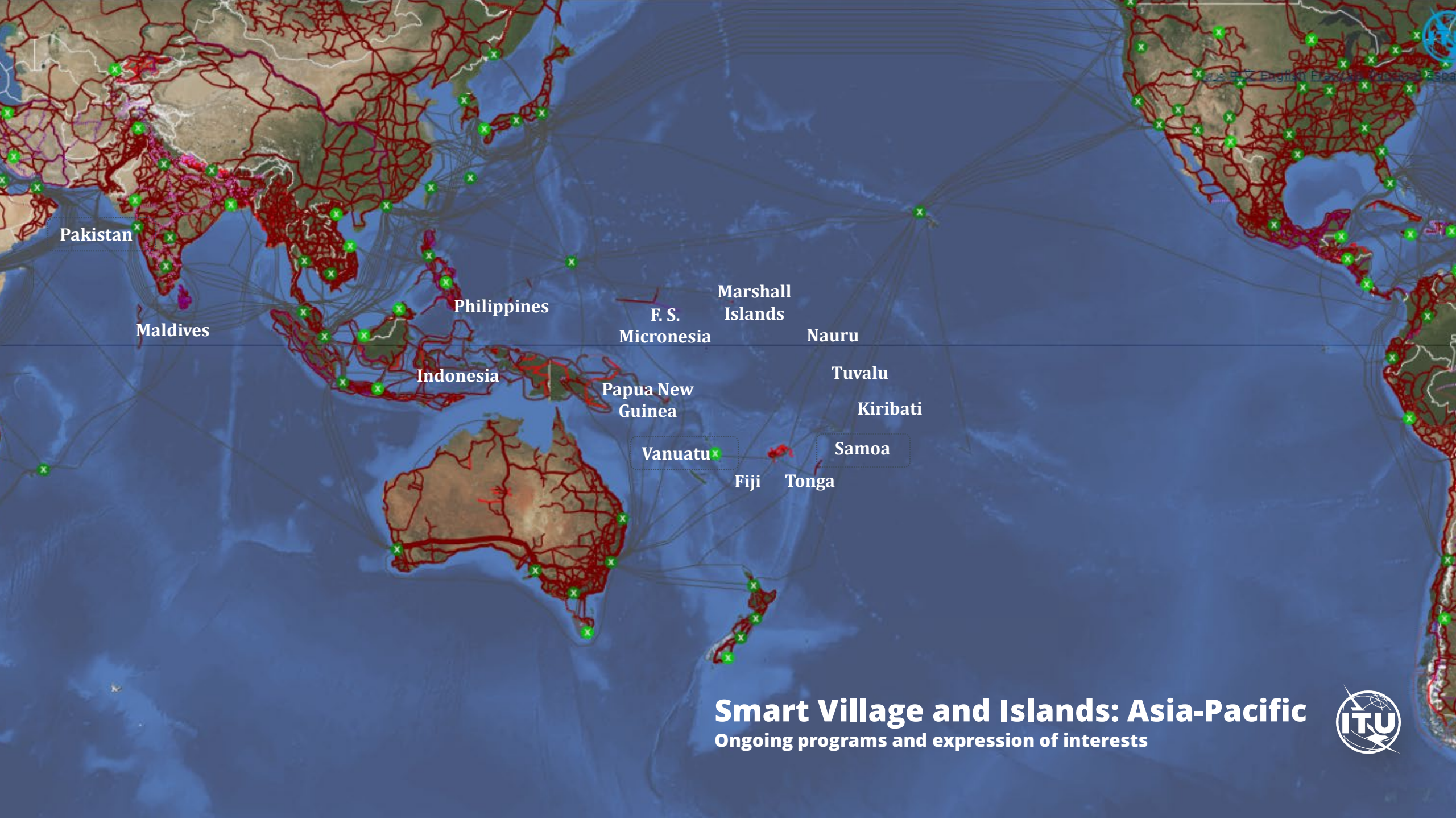


ITU Smart Villages and Smart Islands programmes are designed to address the **socio-economic challenges** faced by **communities** through **digital transformation at community level** with emphasis on **vulnerable populations** (women, youth, and persons with disabilities)

LEAVE NO ONE BEHIND

THE CONCEPT OF SMART VILLAGES AND ISLANDS





Pakistan

Maldives

Philippines

Indonesia

F. S.
Micronesia

Papua New
Guinea

Vanuatu

Marshall
Islands

Nauru

Tuvalu

Kiribati

Samoa

Fiji

Tonga

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





Smart Islands South Malekula - Impact stories



School Connectivity

South Malekula Secondary School reconnected.

Students at SMSS who attended ITU expert's workshop on positive use of internet and ICT have improved access to internet and started learning online.



New Agri Products

Emergence of "Smart Island" branded product.

A group of coconut producers put their new digital skills to use in creating marketing materials to reach more customers and produced new product.



Mobile Banking

Improved digital financial literacy and use of mobile payments

3 mobile wallet service providers offered hands-on workshops to villagers with the ITU expert; people started using MyCash, IsiMoney, and M-Vatu payments, replacing the costly travel to town.



Smart Islands Samoa

Located 3.4 km west of the main island, Manono island is home to 637. Changing weather patterns pose real threat to many aspects of their daily lives.



Improvement in
Broadband
Connectivity

Resilient Water &
Electricity Supply

Digital Skills and
Digital Literacy

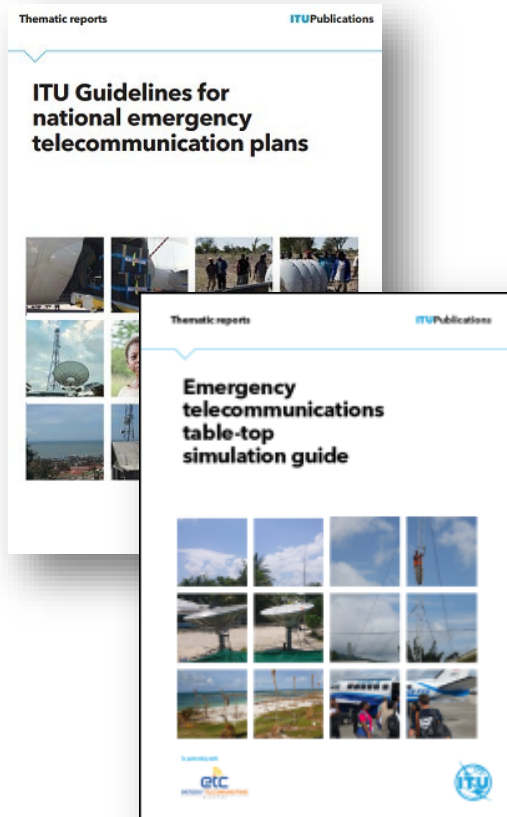
Transportation &
Logistics

Climate Change/
Emergency
telecommunication

e-Education

Digital Marketing Skills
Support

Marine & Eco Tourism



National Emergency Telecommunication Plans

Papua New Guinea

Samoa

Solomon Islands

Vanuatu

Fiji

Kiribati

Emergency Telecom support

Vanuatu

Solomon Islands

PNG

Tonga

Growing demand from Pacific to develop NETP

CYBERSECURITY OVERVIEW : ASIA-PACIFIC 2020

Country Name	Overall Score	Regional Rank
Korea (Rep. of)	98.52	1
Singapore	98.52	1
Malaysia	98.06	2
Japan	97.82	3
India	97.49	4
Australia	97.47	5
Indonesia	94.88	6
Viet Nam	94.55	7
China	92.53	8
Thailand	86.5	9
New Zealand**	84.04	10
Bangladesh	81.27	11
Iran (Islamic Republic of)	81.06	12
Philippines	77	13
Pakistan	64.88	14
Sri Lanka	58.65	15
Brunei Darussalam	56.07	16
Nepal (Republic of)	44.99	17
Myanmar	36.41	18

Country Name	Overall Score	Regional Rank
Samoa	29.33	19
Fiji	29.08	20
Papua New Guinea**	26.33	21
Mongolia	26.2	22
Nauru**	21.42	23
Tonga**	20.95	24
Lao P.D.R.	20.34	25
Cambodia**	19.12	26
Bhutan	18.34	27
Kiribati	13.84	28
Vanuatu	12.88	29
Solomon Islands	7.08	30
Tuvalu**	5.78	31
Afghanistan	5.2	32
Marshall Islands**	4.9	33
Timor-Leste**	4.26	34
Maldives**	2.95	35
Dem. People's Rep. of Korea**	1.35	36
Micronesia*	0	37

* no data

** no response to the questionnaire/data collected by GCI Team



- Pacific islands countries falling behind despite the cyber challenges
- No Pacific Islands countries in Top 100 on GCI
- Lack of information, capacity and awareness
- Lack of information on cybersecurity readiness



International Girls in ICT Day in the Pacific

Purpose

To inspire and encourage girls to pursue a future in ICTs and to empower them by ensuring they have the necessary skills, confidence and support to achieve their goals

Since 2011, over 377,000 girls and young women have taken part in more than 11,400 International Girls in ICT Day celebrations in 171 countries.

2023

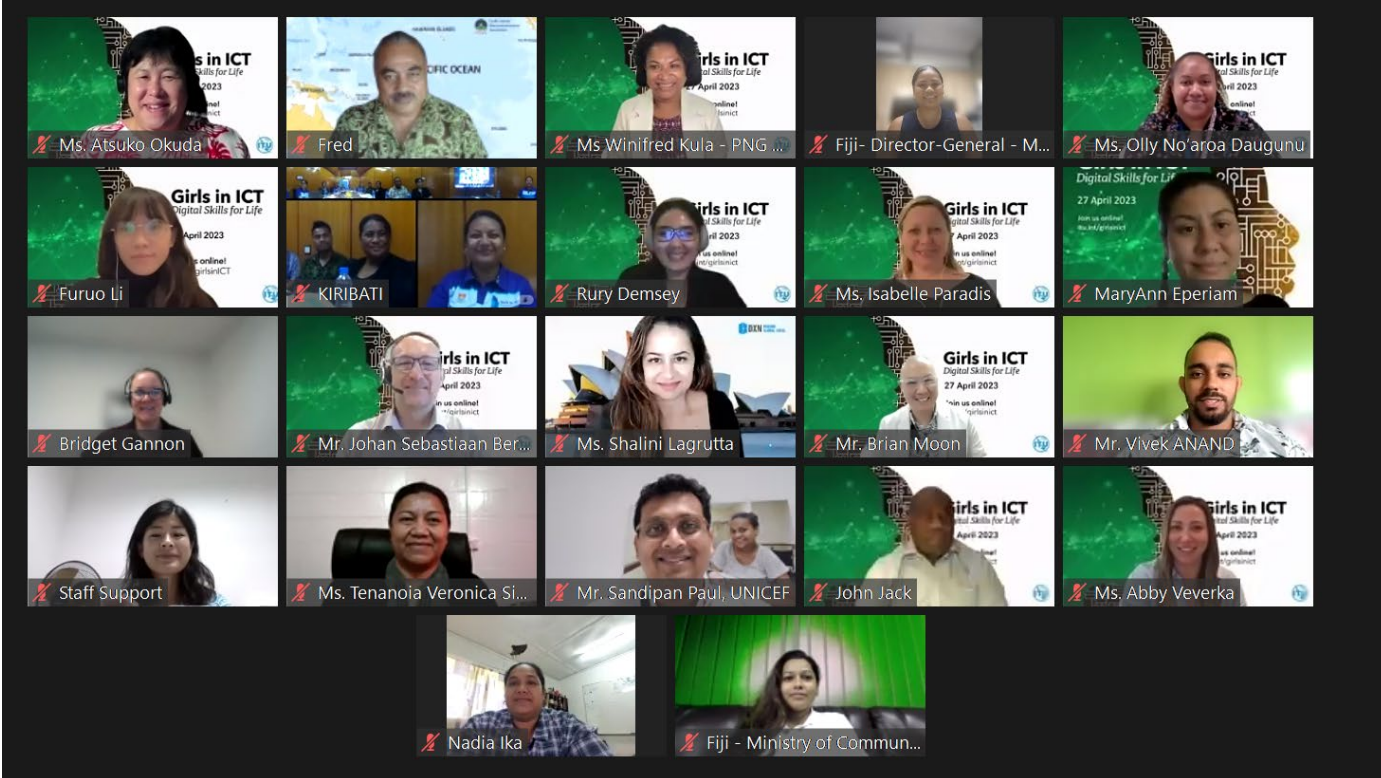
Girls in ICT Day – Pacific Opening Ceremony



Girls in ICT
Digital Skills for Life

27 April 2023

Join us online!
itu.int/girlsinICT



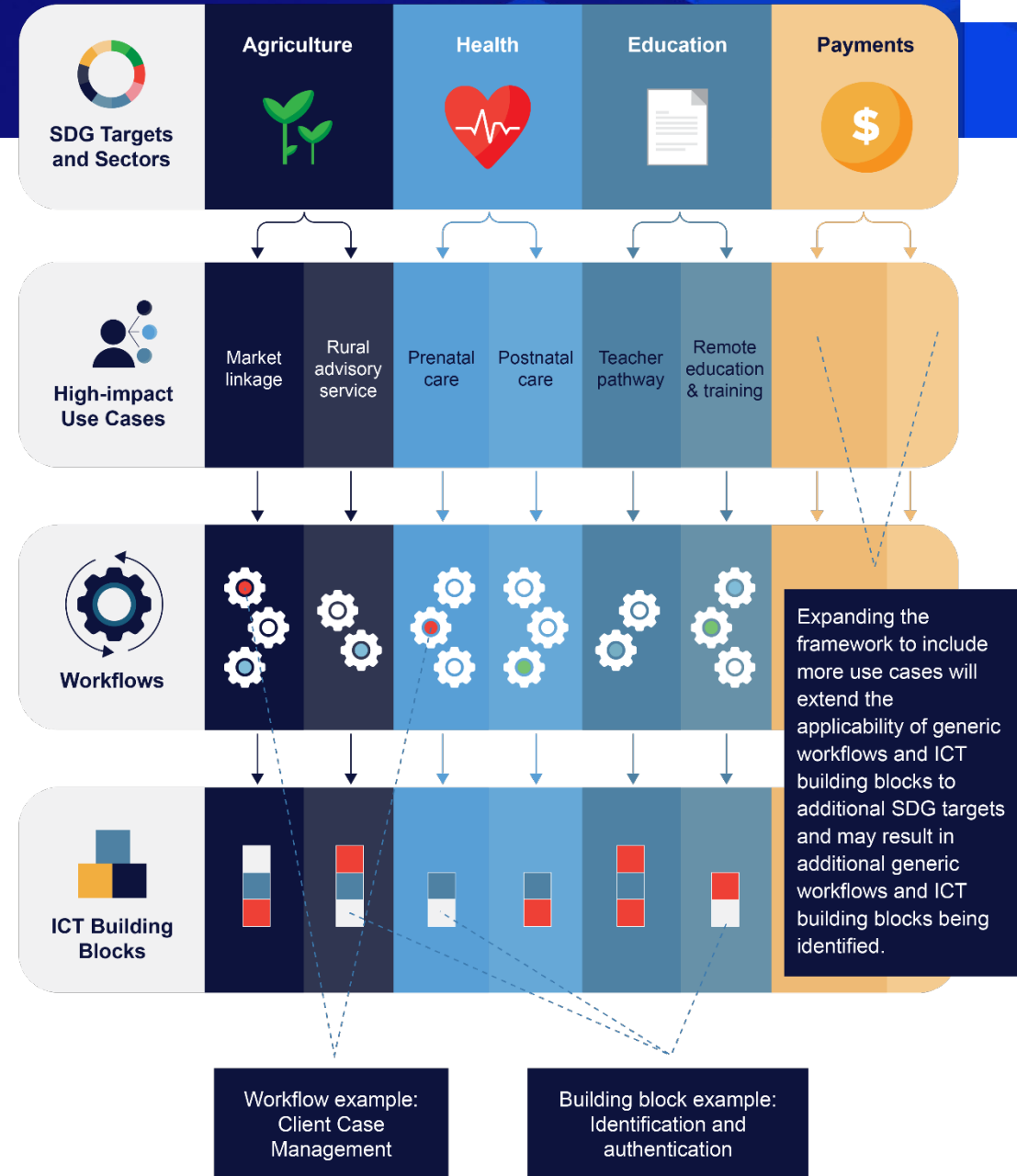
A grid of Zoom meeting tiles showing participants in a virtual meeting. The tiles are arranged in a grid with some larger tiles at the bottom. The participants are:

- Ms. Atsuko Okuda
- Fred
- Ms. Winifred Kula - PNG ...
- Fiji- Director-General - M...
- Ms. Olly No'arua Daugunu
- Furuo Li
- KIRIBATI
- Rury Demsey
- Ms. Isabelle Paradis
- MaryAnn Eperiam
- Bridget Gannon
- Mr. Johan Sebastiaan Ber...
- Ms. Shalini Lagrutta
- Mr. Brian Moon
- Mr. Vivek ANAND
- Staff Support
- Ms. Tenaoia Veronica Si...
- Mr. Sandipan Paul, UNICEF
- John Jack
- Ms. Abby Veverka
- Nadia Ika
- Fiji - Ministry of Commun...

Through coordinated (re)use of these common digital components...

Ideal: Across sectors and government agencies, subset of same ICT building blocks can be put in place and leveraged. Whereas they are used to deliver one use case, such as agriculture market linkage service, their foundational design can be reapplied to deliver others additional use cases across multiple sectors.

Same components can be reused



... these *Building Blocks* can be used to create one common platform to deliver various government services digitally.

A **holistic** (*Whole-of-Government*) digital platform that can be used by any government agency across sectors to build new e-gov. services without the need to redesign, test and operate the underlying systems and infrastructure themselves every time.

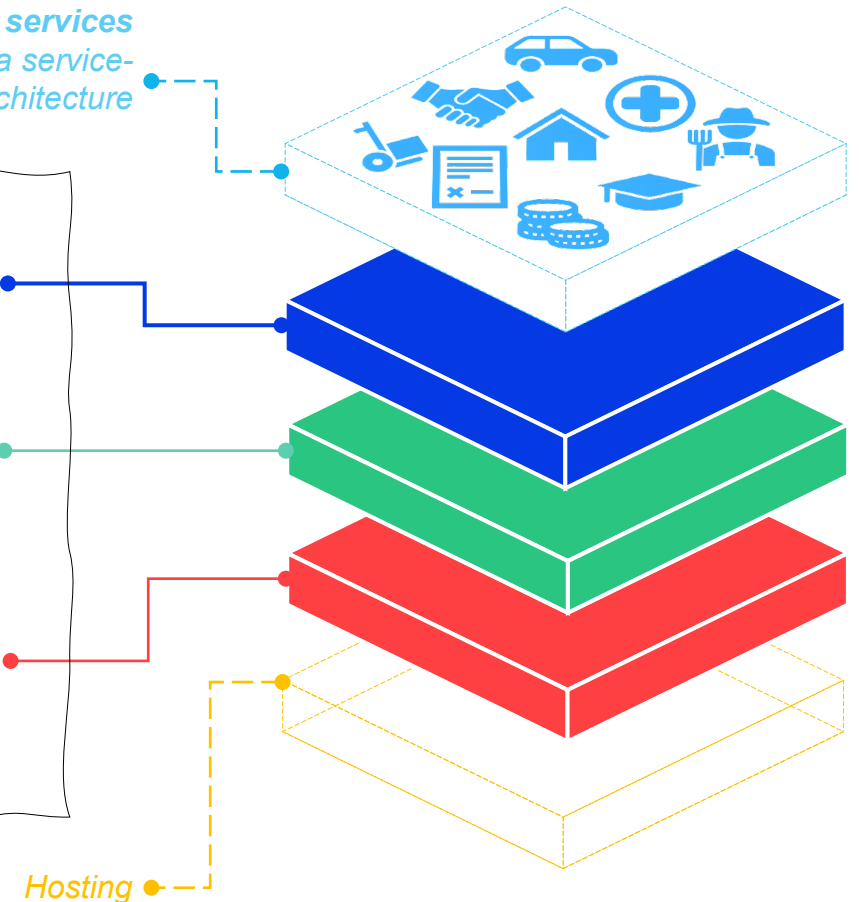
Instead of creating unique and disparate solutions, use a common reusable stack of *Building Blocks* to form the core platform engine and contextualize various e-gov. services on top.

Mediation middleware
Open API Gateway,
secure data exchange

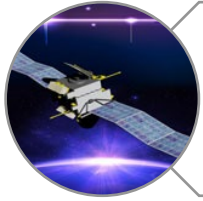
Common Applications Blocks
e-Learning, e-Marketplace, Business
Intelligence / Analytics, Workflow, etc.

Foundational Blocks**
Identity/Authentication, Security, Consent,
Payment, Registration, Messaging, etc.
** *Digital Public Infrastructure (DPIs)* considered part of
this foundational layer

*Adaptive shared citizen-
centric e-gov. services
facilitated by a service-
oriented architecture*



ACCELERATING PACIFIC JOURNEY TO ACHIEVING SDGs



Connectivity: **Reliable and affordable** connectivity to deliver digital services to unconnected islands and communities



Whole of government and Smart Islands: Support in developing an **integrated approach to digital services and smart islands**



Awareness, **skills and inclusion**: Support governments with community awareness, skills development and digital inclusion



Resilience, data protection and cybersecurity: Incorporate **resilience, data protection (privacy) and cybersecurity** in digital development

Partner2Connect on the journey together...

Thank You



Contact Us

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