

SMART ISLANDS

VANUATU



ITU assistance on Smart Islands

8 December 2021

CONTEXT: COUNTRY

- population of nearly **300,019 people** spread over an archipelago of more than 60 islands
- more than **77%** of the population is **rural** (one of the least urbanized countries in the region)
- around **60%** of workers are employed in **agriculture, forestry or fishing**
- less than **62%** of the population have **access to stable supply of electricity** **through supply of solar power** (below regional average of 85.5%)
- only **33.5%** of population used **the Internet** in Jan 2021



CONTEXT: COUNTRY

Vanuatu Digital Government Master Plan Framework



Objectives

Provide support to the Government of Vanuatu to assist in the development of a digital government masterplan framework

Key Deliverables

- Digital Government Masterplan Framework
- Contextualized and Practical Roadmap according to Vanuatu’s priorities

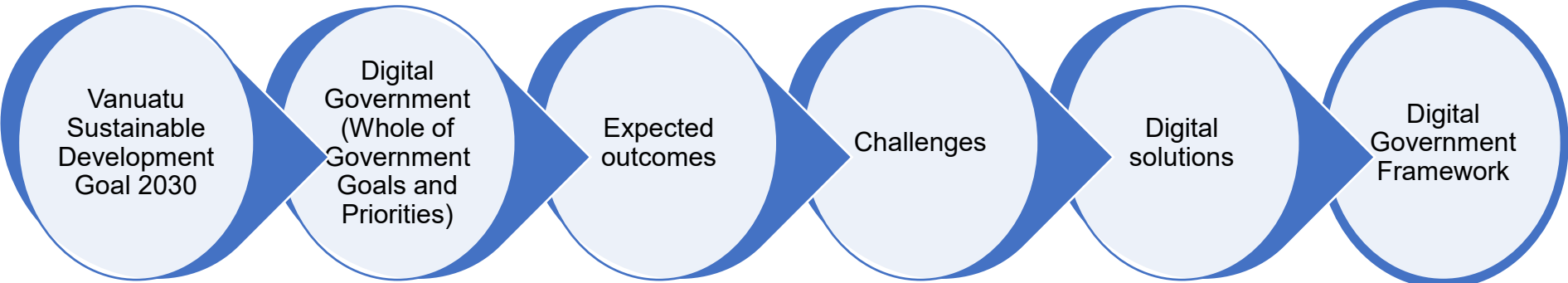
Project Stakeholders

Vanuatu Government and related ministries, departments, and agencies

Expected Benefits

- Provide strategic foundation for development of digital government in Vanuatu
- Generate stakeholder consensus on Vanuatu Digital Government activities
- Practical link with priority projects for implementation (*Smart Islands, etc.*)

Approach for MP Framework



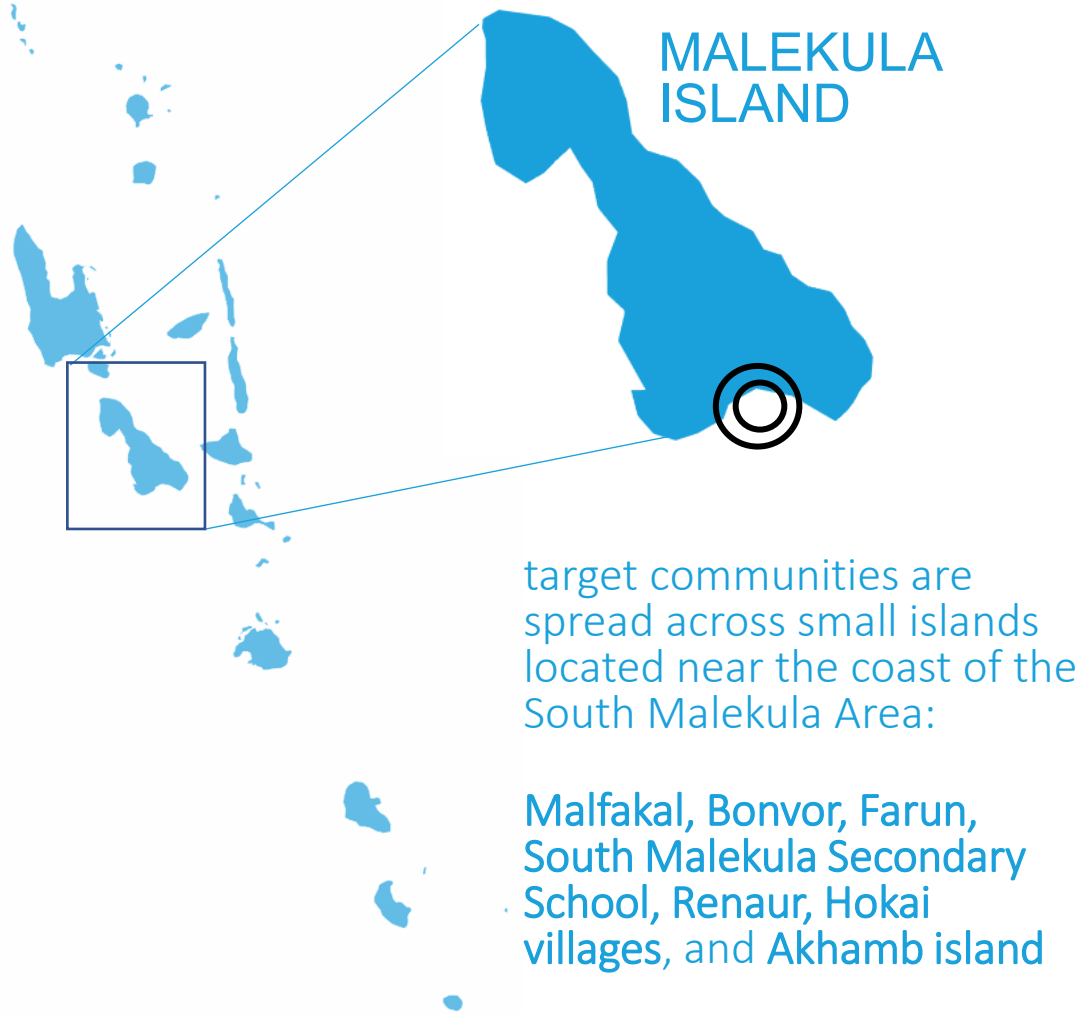
CONTEXT: ACKNOWLEDGEMENT

- Australian Government through DITRDC
- United Nations Capital Development Fund
- International Telecommunication Union (ITU) and other UN Agencies
- Asian Development Bank (ADB)
- Other Development Partners



<https://ecdpm.org/great-insights/civil-society-business-same-direction/partnerships-sustainable-development-monitoring-evaluation-challenge/>

CONTEXT: TARGET VILLAGES



2,000 people

30 small-scale businesses

5 primary and 1 secondary and 1 technical school

60% of households receive income from selling kava to Port Vila

20% of households receive income from selling fish around the area

20% of households run small business primarily serving local population

NEEDS ASSESSMENT: FINDINGS



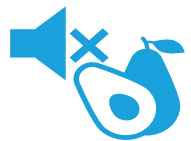
high expenditures incurred when accessing public services (e.g. banking) due to **costly transport**



limited access to **electricity** and off grid power solutions



unreliable and poor quality of **communication services**



lack of skills and capacity to **market and promote** their products



low **digital literacy** and poor awareness of digital services



Malfakal village workshop 9 Dec. 2020



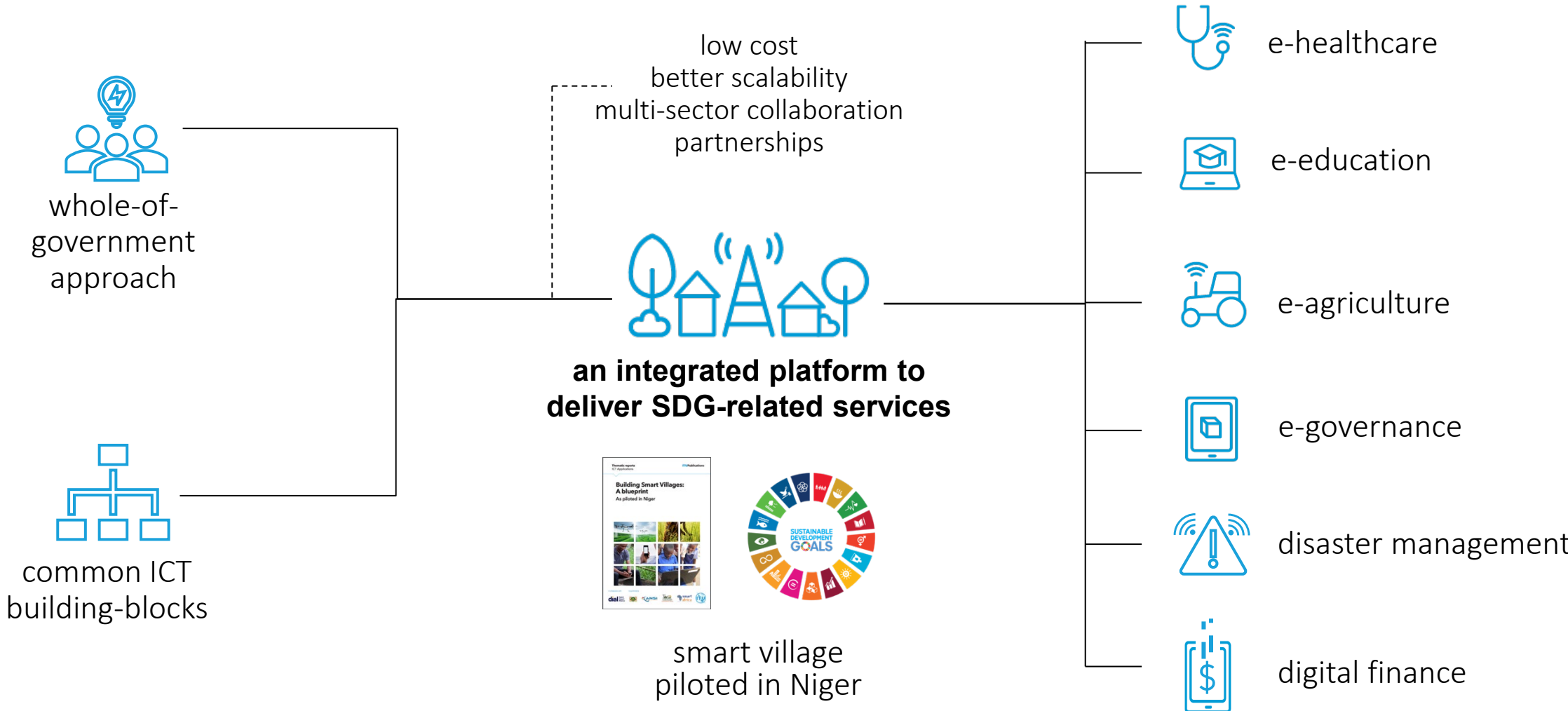
Hokai village workshop 7 Dec. 2020

“If there was a means to market our fishing products and services, we would be fulfilling our dreams that we have longed for many years”

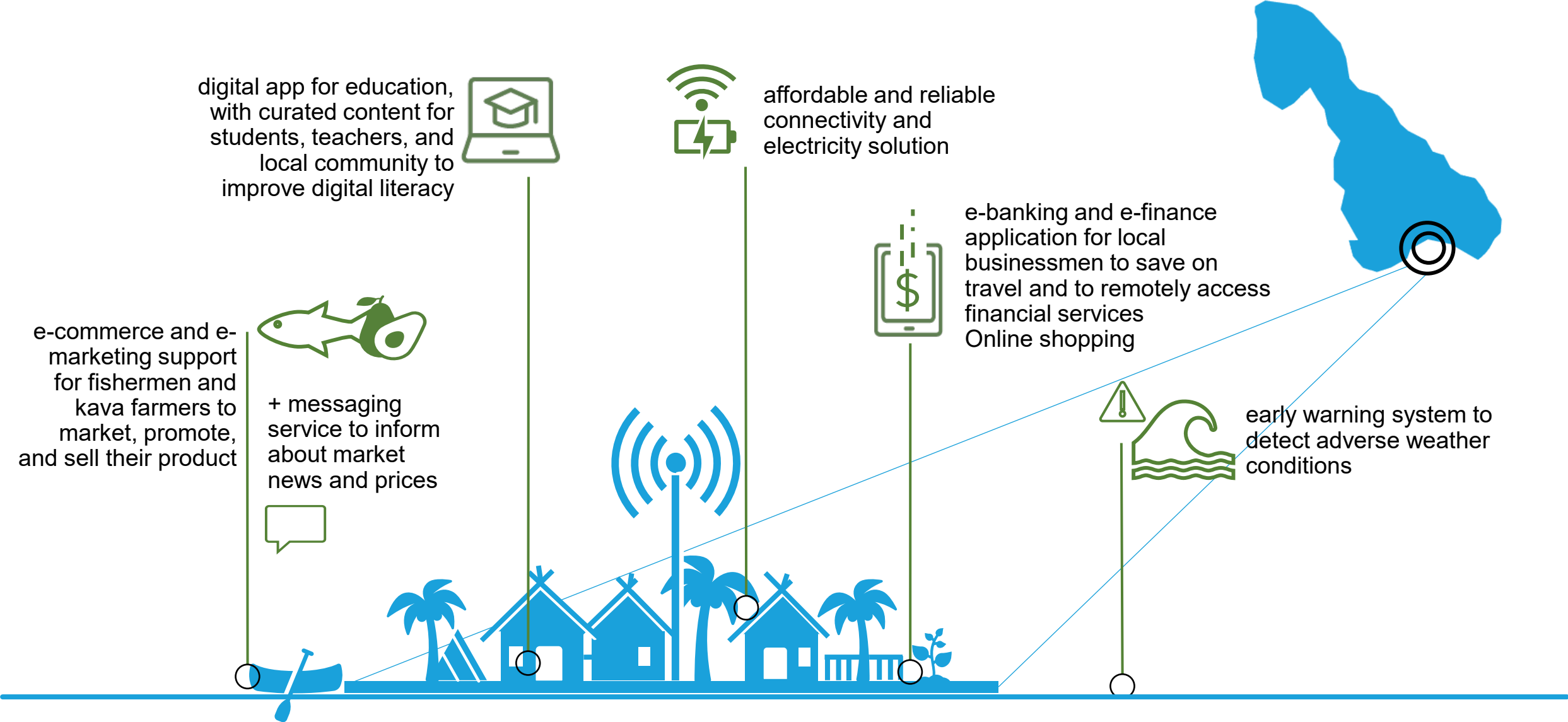
Elder Fred Markandre (Chair of the Fisherman’s Association)



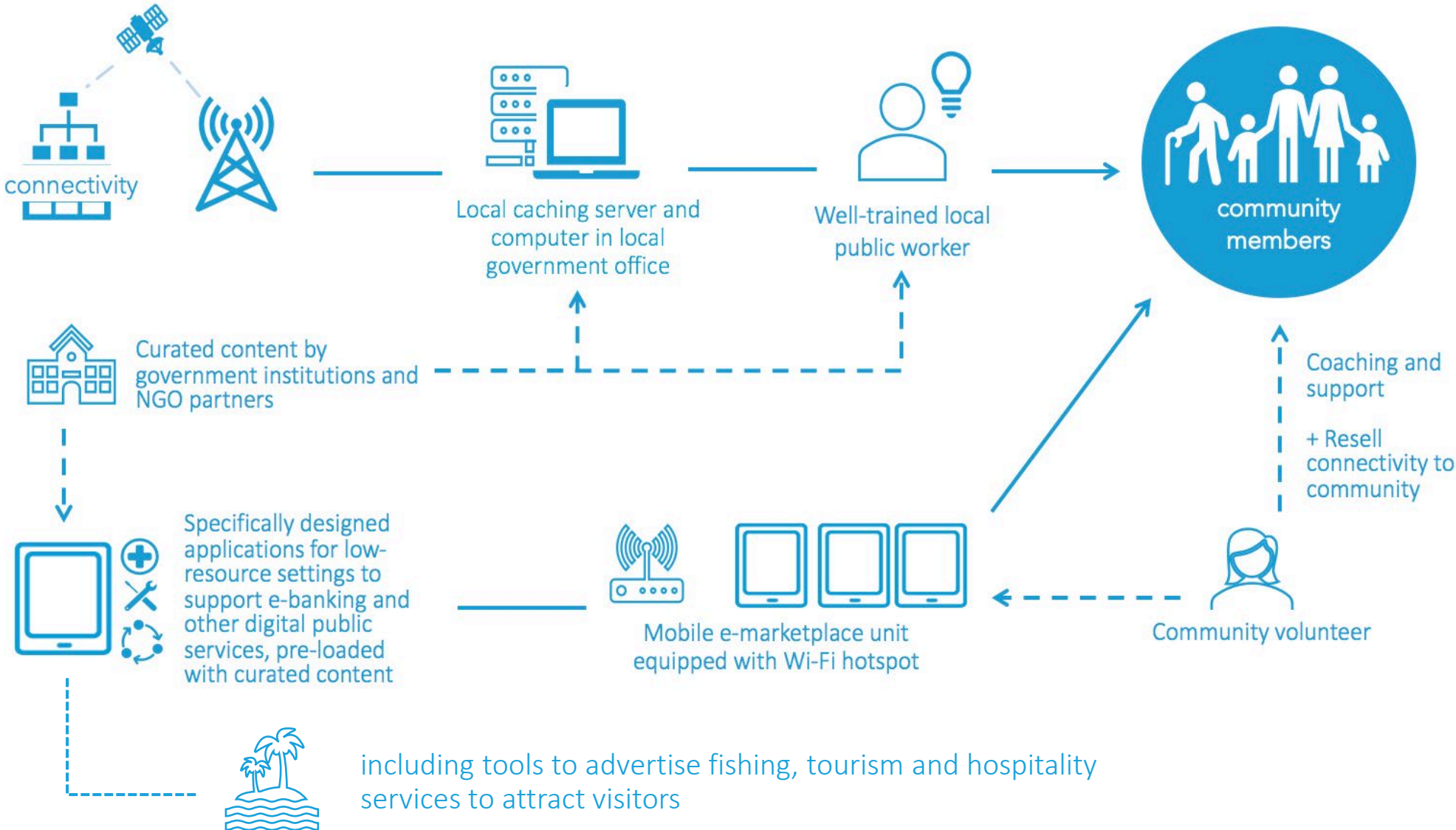
SMART ISLANDS: NEW APPROACH



SMART ISLANDS: A NEW APPROACH



POTENTIAL DESIGN

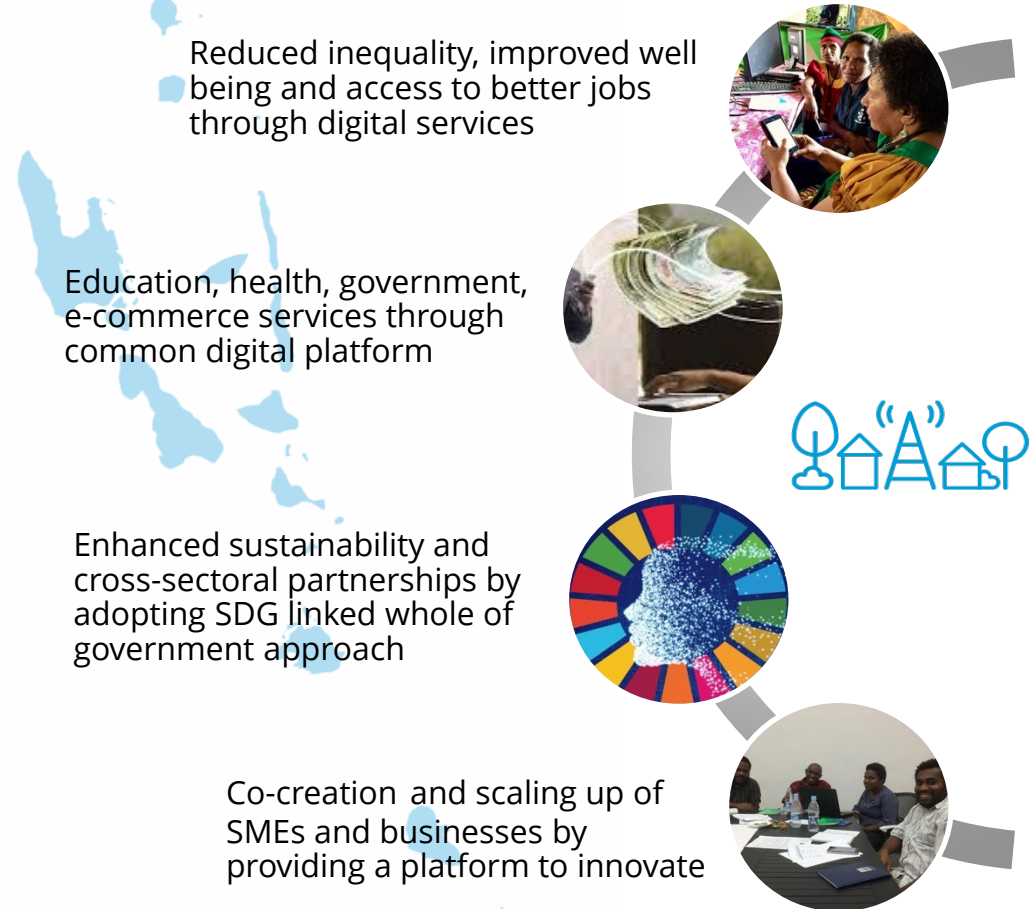


ALIGNED WITH VANUATU 2030 AND ONGOING WORK ON DIGITAL GOVERNMENT PLAN

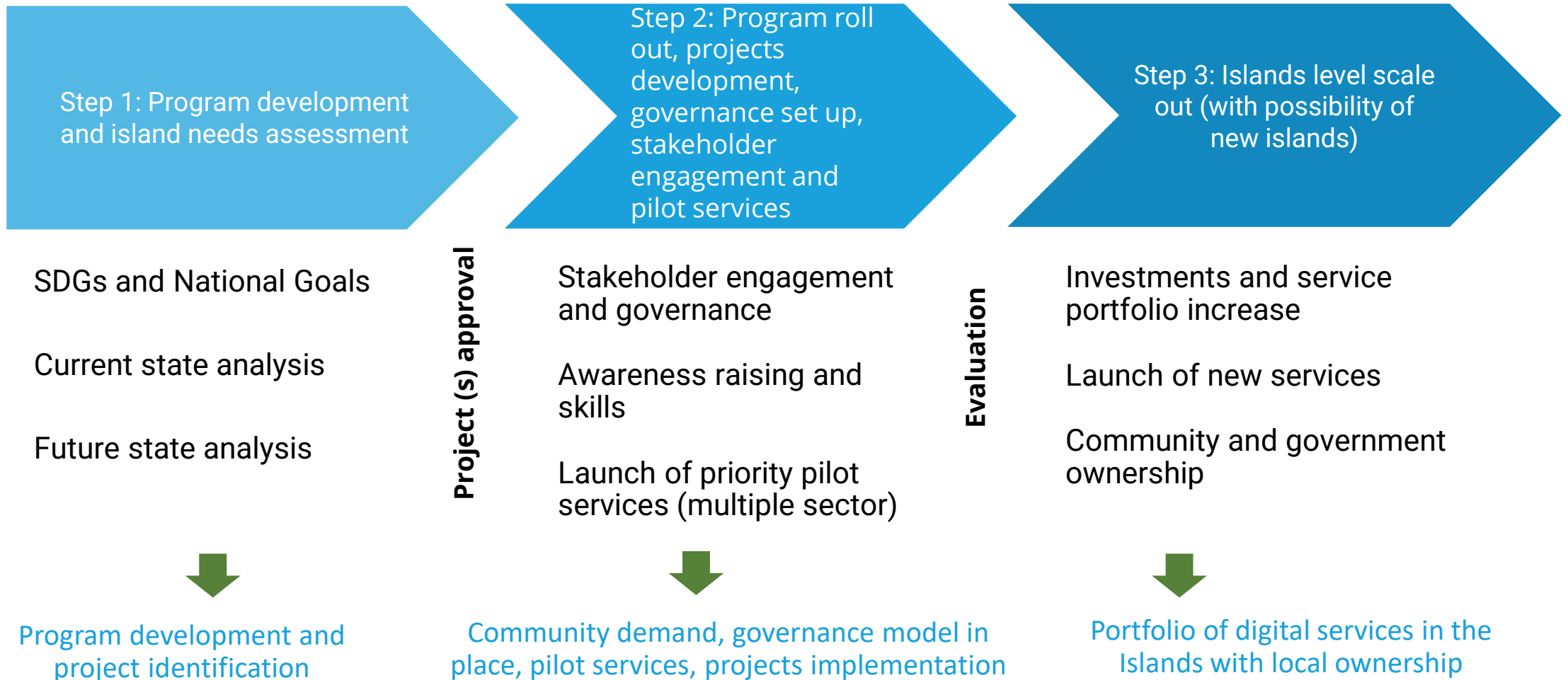


SOCIETY PILLAR		ENVIRONMENT PILLAR		ECONOMY PILLAR	
SOC 1	Vibrant cultural identity	ENV 1	Food and Nutrition Security	ECO 1	Stable and Equitable Growth
SOC 2	Quality Education	ENV 2	Blue-Green Economic Growth	ECO 2	Improve Infrastructure
SOC 3	Quality Health Care	ENV 3	Climate and Disaster Resilience	ECO 3	Strengthen Rural Communities
SOC 4	Social Inclusion	ENV 4	Natural Resource Management	ECO 4	Create jobs and business opportunities
SOC 5	Security, Peace and Justice	ENV 5	Ecosystems and Biodiversity		
SOC 6	Strong and Effective Institutions				

Building a sustainable and prosperous nation



SMART ISLANDS: IMPLEMENTATION



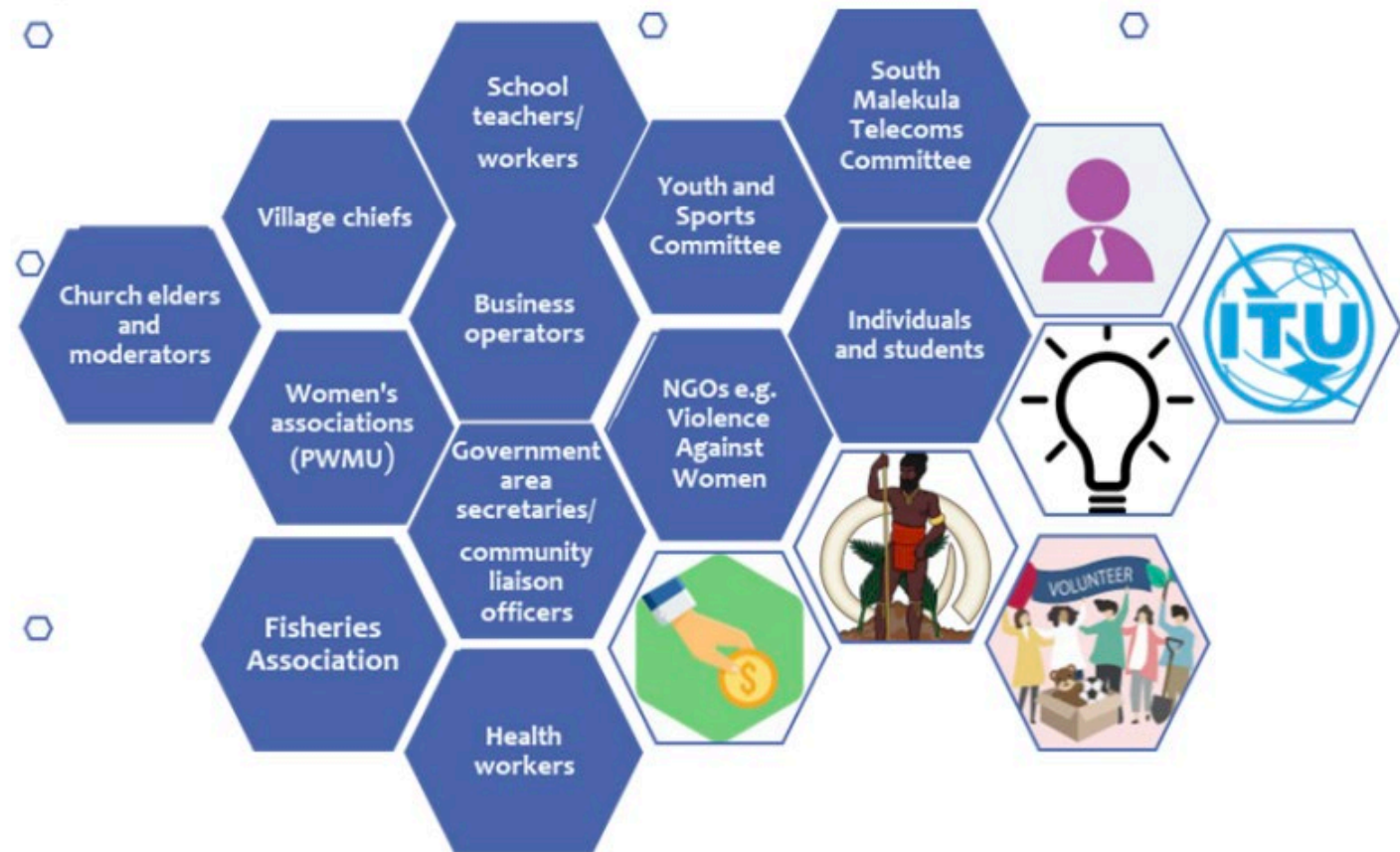
Partnerships are key to its implementation.....

SMART ISLANDS: IMPLEMENTATION



https://www.itu.int/en/ITU-D/ICT-Applications/Documents/Smart%20Islands/SmaIsland_VUT_S-Malekula.pdf

South Malekula Stakeholders



SMART ISLANDS: IMPLEMENTATION



Preliminary Recommendations

- Institutional Setup
- Improve Coverage and Quality of connectivity
- Integration with Digital Government Master Plan Framework
- Digital Skills Development
- Priority Digital Services
- Improvements to Power Supply using Reliable Energy Power
- Further Engagement with Academia

https://www.itu.int/en/ITU-D/ICT-Applications/Documents/Smart%20Islands/Smart-Island_VUT_S-Malekula.pdf

「THANK YOU」

