



“Piloting climate change adaptation in food production and food security in low-lying atoll island of Solomon Islands”

Pacific Adaptation to Climate Change Project locations



Brief Background

Update:

- Draft CC policy in place - mainstreaming
- Coordination
- Communication draft
- Joint V&A Assessment of the pilot carried out

Objectives

To increase resilience and decrease vulnerability in low the lying islands



Vulnerability context - Ontong Java Atoll

No. of villages – 2 main villages

Total population - 1797

Male - 841

Female - 954

No. of households - 295

Limited socio-economic data available



Exposure

Very low lying islands & Limited coastal protection

Farming and water systems exposed to inundation by high tides, storm surges and to changes in rainfall duration

Models and sea level gauges predict rising sea levels and increasing frequency of storm surges



Weak coping capacity

- Limited farming/technology options
- Low ability to catch and store water



Other related socio-economic factors/information

- Irregular shipping and poor communication
- Increasing reliance on marine resources and cash
- Increasing reliance on food (rice and root crops) from capital city
- Young generation losing interest in agriculture and traditional knowledge
- Weak financial literacy

KEY ACTIVITIES

- Conduct Vulnerability & Adaptation Assessment in Ontong Java
- V&A Methodologies
 - 1. HH Survey (House Hold)
 - 2. PRA (Participatory Rural Appraisal)
- Follow up activities identified by local peoples
- **Provide assistance to local consultant to conduct provincial and national**



Other related activities

- Present V&A findings with Malaita provincial government
- Convene National Steering Committee's meeting to present key findings to get approval for proposed actions to be taken
- Conduct CC awareness in various schools and communities at the national level/project sites
- Organise financial literacy trainings at the project site, esp. in Ontong Java

Potential adaptation actions and benefits

- Enhanced knowledge and awareness on CC
- New farming methods and varieties
- Improved water catchment and storage
- Efficient use of water for farming
- Improved communication
- Improved financial literacy

More resilient farming systems

Food and water security sustained

Resilient communities



V&A-FINDINGS

ADAPTATION OPTION	EFFECTIVENESS	COSTS	TECHNICALLY FEASIBLE	SOCIAL AND CULTURAL FEASIBILITY	SPEED OF IMPLEMENTATION
Introduce new farming, suitable crops and build on existing ACOM FSP	Medium	High	High	Medium	Low
Traditional Food Preservation Practices	High	Medium	High	High	Medium
Supply of Water Tanks for rural communities	High	Medium	High	High	Medium
Climate Change Awareness	High	Low	High	High	Medium
Environment and resource management training for communities	Medium	Low	High	Medium	High
Financial Literacy Training	Medium	Low	Medium	High	High
Improve communications	Low	High	High	Medium	Low
Improve Shipping Services	Low	High	High	Low	Low
Relocation Plan	Low	High	High	Low	Low

TAGIO TUMAS

