

Pre-feasibility study for a hybrid coastal protection measure

Potential Climate/ Disaster Impacts addressed and Justification for this Approach

The city of Savusavu is exposed to sea level rise (6 mm/year since 1993) and coastal erosion, which is increasing the intensity of cyclones. Sea level rise and coastal erosion are expected to increase over time. There is little remaining land between the foreshore and the road, which creates unsafe conditions for pedestrians and drivers. Coastal protection is meant to ensure climate adaptation over time. The blue town model strives to serve as a scalable model and blueprint for other cities in Fiji and other countries.

Process of Implementation

After shortlisting the city, the Gap Fund conducted a detailed assessment that was approved by the TS. The team prepared a ToR with the city and later on, the TA was implemented and supervised by the GF team. Throughout the process, all relevant stakeholders were engaged.

Project Title

Support for Project Preparation for Urban Progress (SuPPUrbP) - Citv Climate Finance Gap Fund

Project Number

20.9118.9-001

Results and Impacts

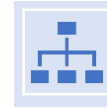
Development of a pre-feasibility study, consisting of 1) the project context, including the status of the Savusavu shoreline and a stakeholder analysis, 2) a technical design of the proposed coastal protection measures and their SWOT analysis, including a stakeholders workshop, 3) an analysis of the co-benefits of coastal protection infrastructure, including a cost-benefit analysis, 4) a report of the ownership, operation and maintenance of the business model, and 5) recommendations for upscaling and funding opportunities.



TYPE OF APPROACH
Framework conditions



COUNTRY
Fiji



LEVEL OF INTERVENTION
city



TYPE OF RISK MANAGEMENT
prevention, resistance



MAIN HAZARDS ADDRESSED
Coastal Erosion, Sea-level rise, Cyclones



URBAN FUNCTION PROTECTED
Public security/ civil protection



SPHERE OF INTERVENTION
socio-political sphere/ governance, economy, environment



RESOURCES REQUIRED
3 experts, up to 100 working days in total, + 2 recommended local specialists; consulting contract



COOPERATION PARTNERS
Blue Town Model Committee of Savusavu