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APAN Forum

Kuala Lumbar, Malaysia

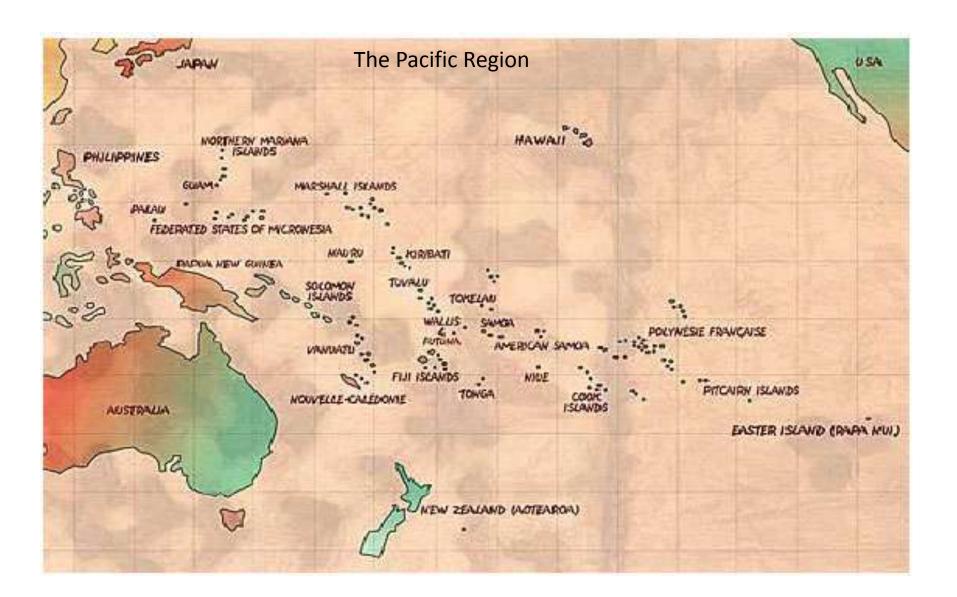
Introducing Secretariat of the Pacific Regional Environment Programme (SPREP)



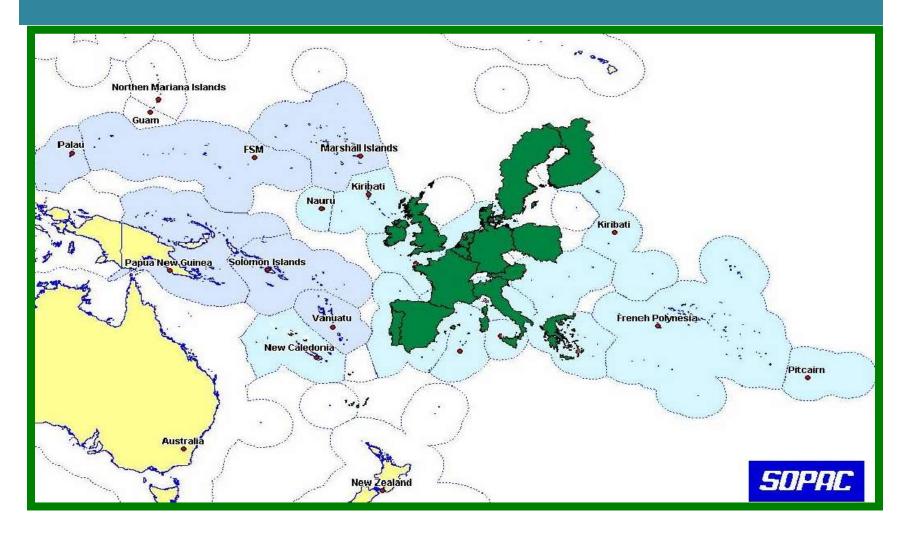
- Working for over 40 years in the Pacific region
- Inter-governmental organisation
 - The Pacific regional agency for the environment
 - Recognized as the lead agency on biodiversity, climate change, waste management and environmental monitoring and governance in the Pacific Region

26 member countries

- 21 Pacific Island countries & territories
- 5 'metropolitan' states (AU, NZ, FR, USA, UK)
 SPREP is **fully accountable** to member governments
 through an annual SPREP Meeting and Ministerial Meeting
- Over 90 staff

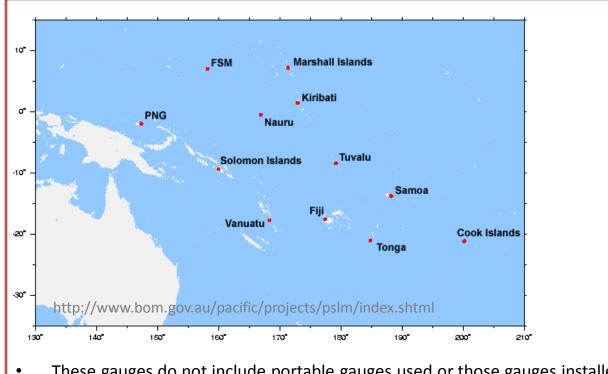


How big is the Pacific region?



U.K. and Western Union superimposed on central Pacific region encompassing 8 Pacific Island nations

Sea Level Monitoring Stations



 These gauges do not include portable gauges used or those gauges installed by other projects





Regional Mean Sea Level Rise

Sea level rise 1993-2009

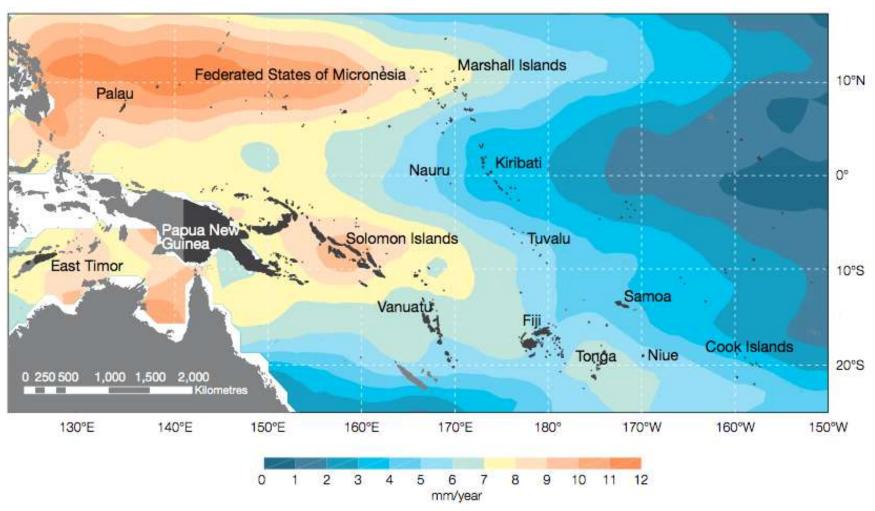
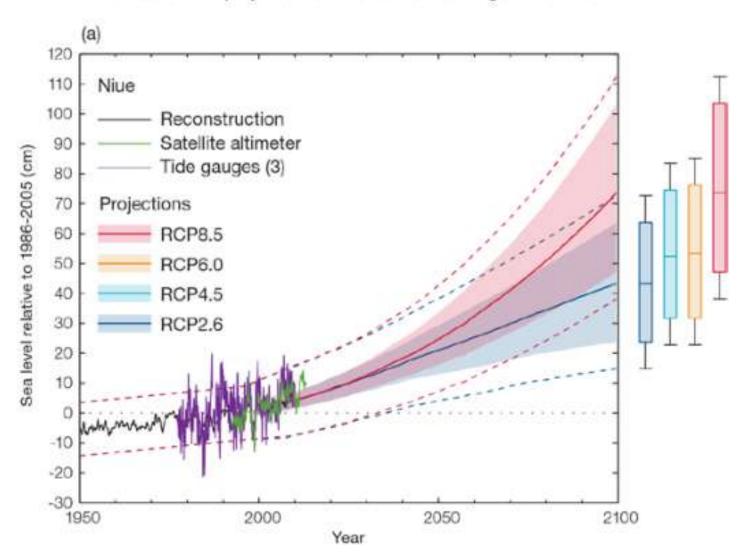
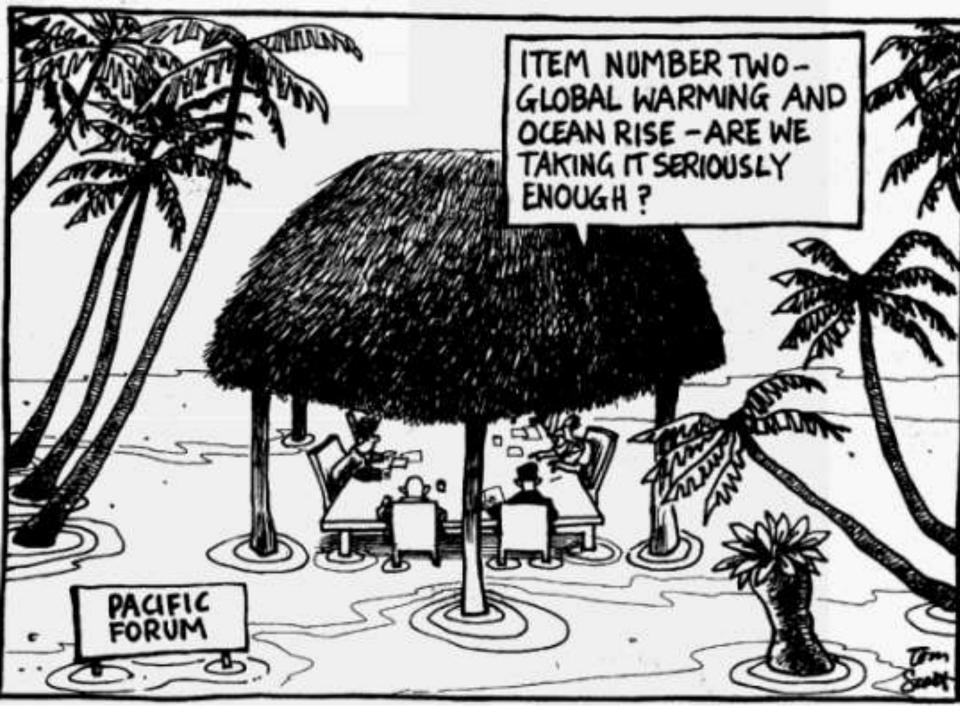


Figure 3.23: The regional distribution of sea-level rise measured by satellite altimeters from January 1993 through December 2009.

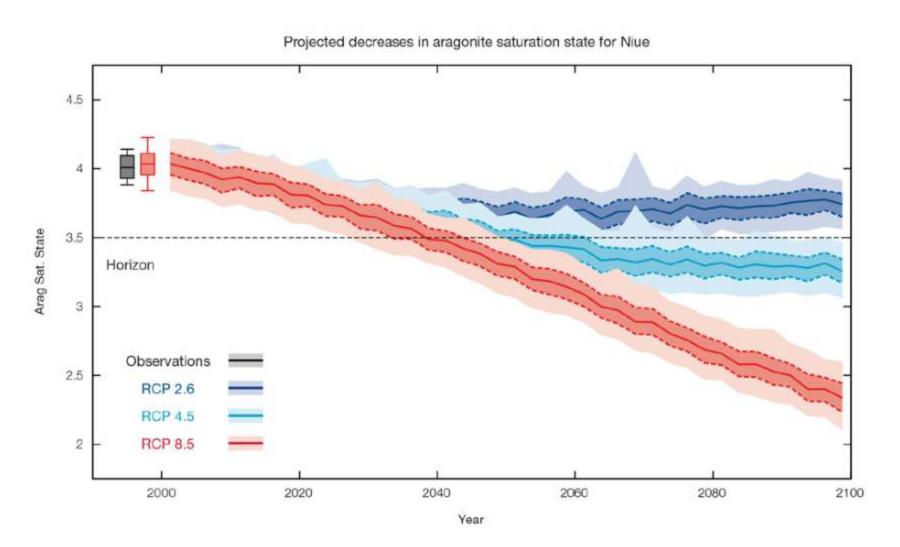
Sea Level Projections

Observed and projected relative sea-level change near Niue





Ocean Acidification Monitoring













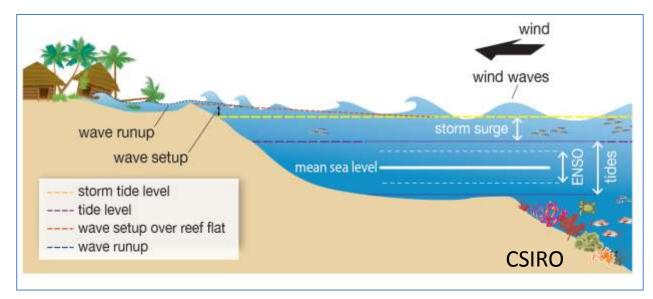




Coastal Adaptation

- 1. Monitoring (Modeling)
- 2. Sustainability
- 3. Legislative frameworks and policies
- 4. Gender
- 5. Coordination (Whole Island Approach)
- 6. Ecosystem based Adaptation
- 7. Effective Partnership and Coordination in a Whole of Island Approach
- 8. Beyond Coastal Adaptation

Extreme sea levels - Coastal inundation modelling



Coastal inundation risk depends on complex of factors including prevailing weather, tide, bathymetry and coastal geomorphology; compounded by climate change

- Better understanding of the different sets of physical processes that contribute to extreme sea levels and how they may change in the future
- Investment in Data Collection (Litar, weather, etc) as part of Adaptation
- Information on which to make sound investment decisions

Ownership and sustainability

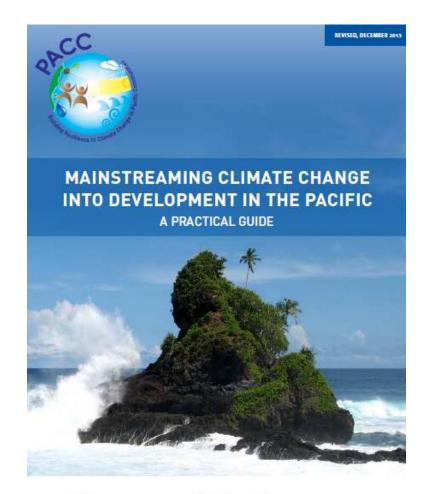
Consultative and participatory Approach ensuring local ownership



Legislative Frameworks

Policy mainstreaming:

- to strengthen the ability of institutional frameworks, policies and plans to take climate change risks into consideration
- to improve the capacity of key national government and community decisionmakers to integrate adaptation measures in key decisions.



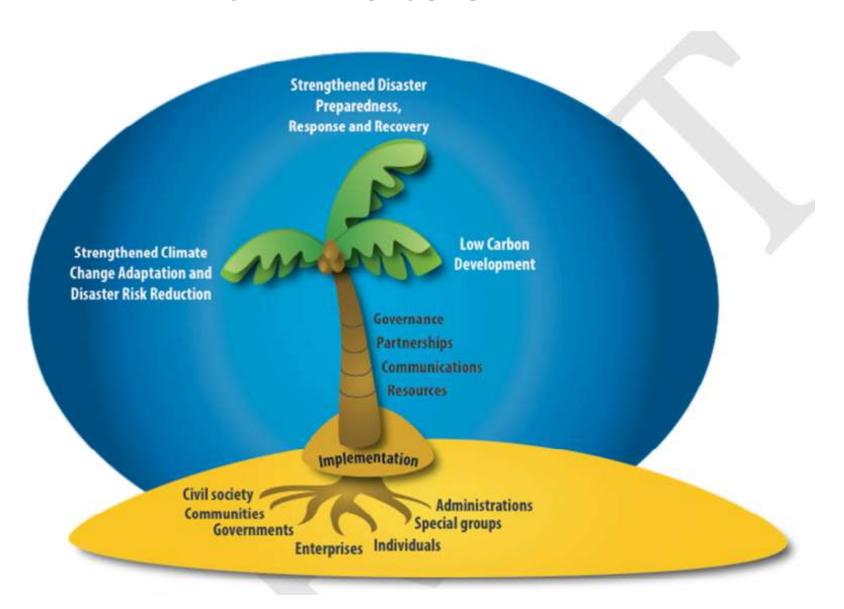








JNAP's to SRDP

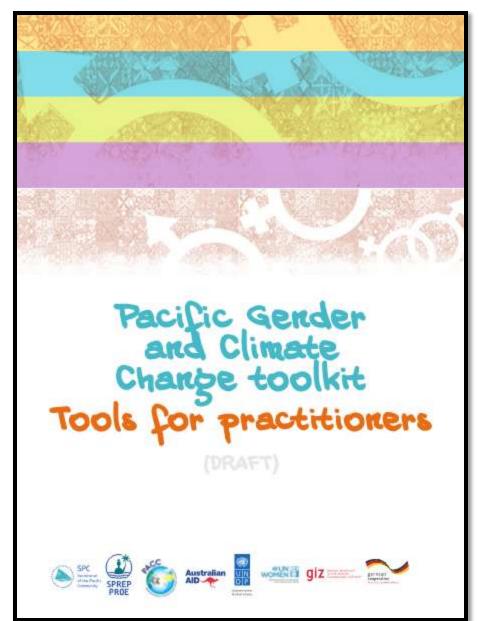


Gender Integration

 Gender integration to adaptation is important

 Sharing of lessons learned is important

 Pacific Gender and Climate Change Toolkit – Tools for Practitioners



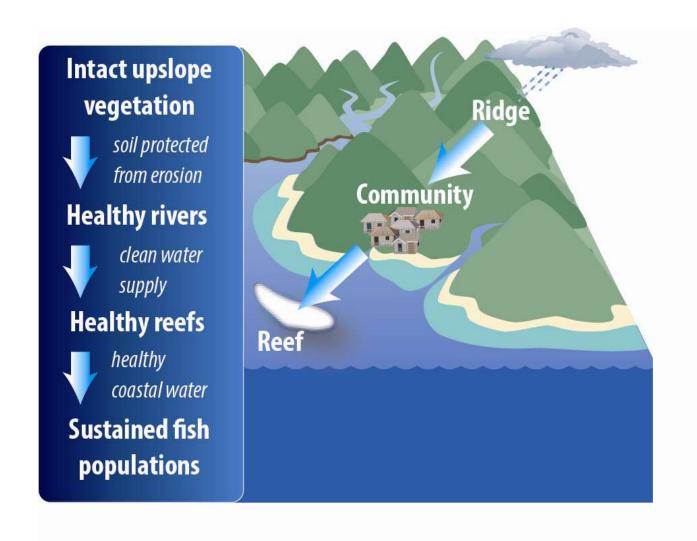
Ecosystem based Adaptation: Tools and Publications



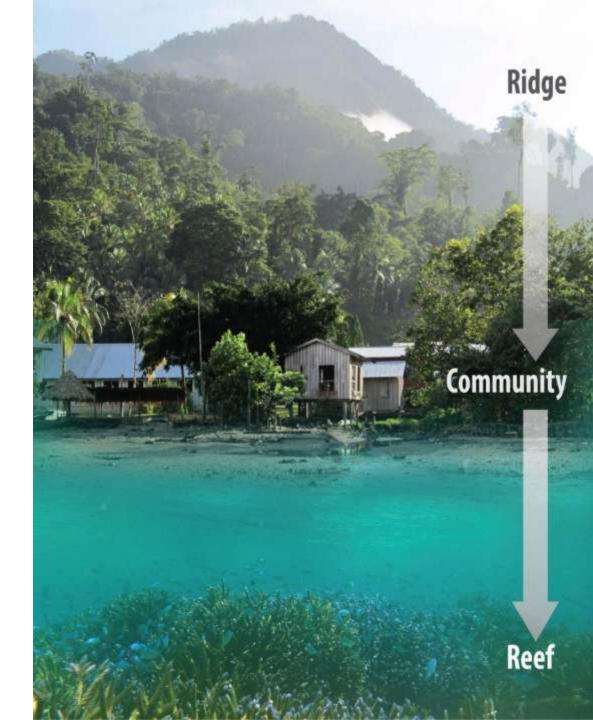
- EbA toolbox & supporting information for Pacific Islands.
- Legal framework for EbA in the Pacific.
- Choiseul Province full length vulnerability assessment.
- Coastal EbA projects with Samoa, Vanuatu and Kiribati. USAID water sector FbA work in Kiribati.
- Increasing interest from many countries across the Pacific.

Reports and more information at: www.sprep.org

Ridge-Community-Reef



- Almost all Pacific communities are coastal. The terrestrial, freshwater and marine ecosystems they depend on are closely linked by the relatively small catchment areas that connect the mountains, coastline and reefs.
- Ridge to reef planning integrates multiple sectors including agriculture, environment, forestry and fisheries in order to protect community livelihoods.
- Tribal leaders of Choiseul have already decided to work towards a network of protected areas by agreeing to the Ridge to Reef Protected Area Network plan.



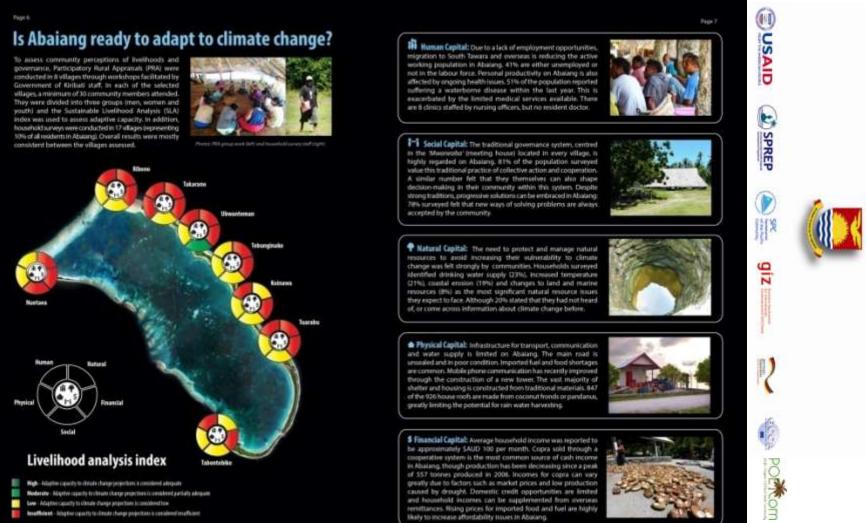
Effective Partnership and Coordination in a Whole of Island Approach





Abayang Whole of Island Approach

Integrated Vulnerability and Adaptation Assessment



Beyond Coastal Adaptation





Thank you