

Community Risk Programme

GOAL:

To improve disaster risk management practices to build safer and more resilient communities

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Clients

National Disaster Management Offices

Technical agencies – e.g. Lands, Met

National Planning/Finance Ministries

Donors and other partners

Staff of SOPAC programme areas

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Components

Strengthening Resilience to Disasters : Strengthen SOPAC Island members disaster management capabilities

Disaster/emergency management focus

Mitigating the Effects of Hazards :

Develop scientific solutions that provide a knowledge base for the mitigation of hazards and reduction of vulnerability

Disaster risk reduction

Mainstreaming Disaster Risk Management :

Mainstreaming risk management practices into national development planning

Advocacy and mainstreaming of DRM at all levels and across all sectors

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International & Regional Guidance



Hyogo Framework for Action 2005

developed 5 thematic areas for DRR & DM implementation

Pacific Plan 2005

calls for the development and implementation of policies and plans for the mitigation and management of natural disasters

Regional Framework for Action 2005

supports an 'all hazards' and integrated approach to the mainstreaming of disaster risk reduction and disaster management

Pacific Islands Framework for Action on Climate Change 2005

advocates the reduction of risks associated with the impact of extreme weather and climate variability through the application of various principles

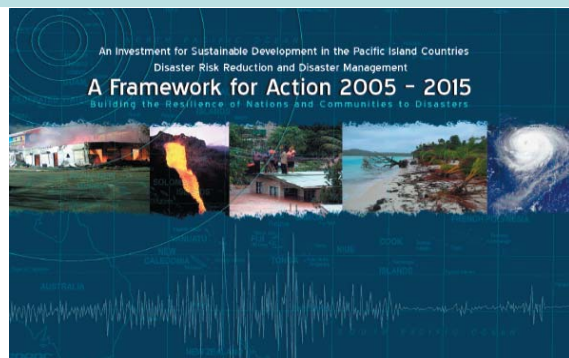
World Bank Policy Note 2006 – Not if but When

advocates risk management of natural hazards in order to minimise the impact of disasters

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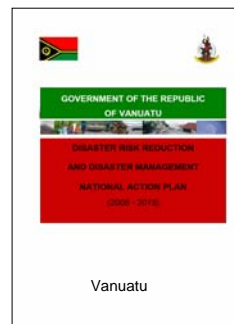
Regional Framework for Action



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... to National Action Plans



Vanuatu



RMI

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Pacific Disaster Risk Management Partnership Network

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Pacific DRM Partnership Network

- Formed in February 2006 to assist Pacific countries in developing and implementing disaster risk reduction and disaster management strategies to help ensure sustainable development.
- The main objectives are to
 - Provide regional support for the development and implementation of National Action Plans
 - Establish and sustain a regional network of regional assistance and development partners that work in the different fields of disaster risk reduction and disaster management to improve regional cooperation, coordination and collaboration.
 - Strengthen the key thematic areas identified in the Regional Framework for Action 2005–2015, as endorsed by the Pacific Leaders and in other associated frameworks and strategies.
 - Monitor and evaluate national progress against the targets of these national action plans.
 - Reduce duplication of efforts and to ensure that assistance is built on the efforts and experiences of each other.

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Pacific DRM Partnership Network



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Pacific Disaster Risk Management Partnership Network OVERVIEW OF INSTITUTIONAL CAPABILITIES OF PARTNERS SUPPORTING THE IMPLEMENTATION OF "An Investment for Sustainable Development in the Pacific Island Countries Disaster Risk Reduction and Disaster Management A Framework for Action 2005 – 2015"

ORGANISATION	WHO	UNDP/PC	UNISDR	AFAC	OWFAM	FBPI	NZARD	ICCDEM	EDM	ONE	IFAC	SOPAC	PDC	RIMC
SUBJECT AREA														
Governance														
Policy, Organisational Development, Management		X	X	X	X	X		X			X	X	X	
Community Participation		X	X	X	X	X				X	X	X	X	
Early Warning And Forecasting														
Monitoring	X		X		X			X	X	X	X	X	X	X
Capacity Assessment	X		X				X	X	X	X	X	X	X	X
Modeling			X						X	X		X	X	X
Risk Management Applications														

Overview of institutional capabilities of partners supporting the implementation of "An Investment for Sustainable Development in the Pacific Island Countries Disaster Risk Reduction and Disaster Management A Framework for Action 2005 – 2015"

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Partnership Funding to support DRM in PICs

SOPAC CRP Work Programme 2008	FJ\$6.5 m
AusAID (NAP support)	AU\$2.265 m over 3 years (FD994k)
ACP EU Disaster Facility (NAP support)	€1.868 over 4 years (FD 1.0m)
EU EDF 9 B-Envelope	€ 9.260 m (FD3.6m)

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Component 1 – Strengthening Resilience to Disasters

Outputs

- National disaster management planning and coordination arrangements, including NDMO strengthened
- Disaster management knowledge and the application of best practices through effective training and information management strengthened
- Public Awareness and early warning systems strengthened.
- Emergency management communication systems and practices established and maintained
- Emergency preparedness and response strengthened
- The International Strategy for Disaster Reduction (ISDR) promoted and advocated
- Social, environmental and economic costs of disasters analysed.

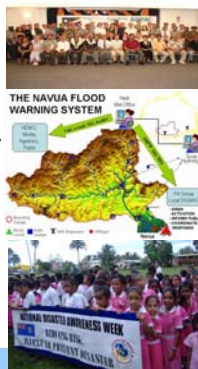


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Component 1 – Strengthening Resilience to Disasters

Key Activities

- DM/DRR mainstreaming guideline
- Revision of national DRM arrangements
 - Nauru, Vanuatu, Solomon Is., RMI
- DRM training courses in partnership with TAF/OFDA - Nauru, Fiji
- Annual Regional Disaster Managers Meeting
- Implementation of the Regional Early Warning Strategy
- ATWS capacity assessments
- Implementation of the Melanesian Volcano Network
- EU EDF 9 B-Envelope implementation
 - Safe drinking water
 - Emergency communications and Emergency Operations Centres
- Support for AFAC/PIFSA
- Support to PICs for International Disaster Reduction Day



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Component 2 – Mitigating the Effects of Hazards

Outputs

- Environmental Vulnerability Index (EVI) tool promoted.
- Integrated hazard assessment and risk reduction solution promoted
- Loss and damage assessment tools developed and promoted.
- Vulnerability assessment guide developed and distributed.
- Networks and systems for information transfer improved.
- Disaster impact analysis and lessons learned support provided.

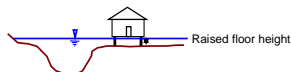


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Component 2 – Mitigating the Effects of Hazards

Key Activities

- Samoa - Capacity building in flood risk management
- Niue - Coastal development policy
- PNG - Ramu River Hydrological System
- Solomon Is - Post disaster technical assessment after April 2nd event
- GIS training for DRR and DM
- PNG - Lae Pacific Cities project
- NDMO information system requirements
- Pacific Disaster Net

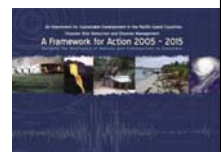


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Component 3 – Mainstreaming Disaster Risk Management

Outputs

- Regional Framework for Action 2005 - 2015 promoted and advocated.
- National disaster risk reduction plans based on the application of CHARM strengthened.
- Community based disaster risk management training coordinated.
- Benefits of applying CHARM to support the mainstreaming of disaster risk reduction evaluated.



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Component 3 – Mainstreaming Disaster Risk Management

Key Activities

- DRM advocacy in PICs
 - SOPAC High Level Advocacy Team
 - SOPAC country missions
- Development and implementation of National Action Plans
- DRM CEOs & Finance/Planning CEOs regional meeting
- Samoa - CHARM training support to urban planners
- Community based DRM support in partnership with regional and national NGOs and other organisations



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Synergies

Across Programmes

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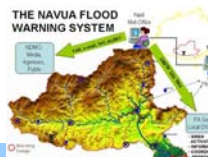
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Comp 1 – Flood Warning System for Navua, Fiji

Outputs

- Collaboration between National Disaster Management Office, Hydrology Department and Meteorological services as well as with Provincial/ local government administrators to minimise flood risks.
- Installation of **hydro-meteorological monitoring** equipment measuring rain and river levels. Data used for
 - > flood warning system thus providing sufficient lead time to warn residents of the impending flood [**Disaster Management**]
- Flood response plan for the community.
- Economic analysis of end-to-end flood warning system and potential benefits
- Also a model for Rewa and Nadi catchments

CLP (Water): understanding catchment, river gauge location and training
CSSP (ICT) : communication with Hydrology
RE: cost benefit analyses

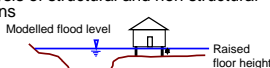



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Comp 2 – Floodplain Management of Apia

Outputs

- River Hydrology and modelling and Floodplain Mapping
- Training for Meteorological Office, Water Resources Division and the Planning and Urban Management Agency
- Rainfall runoff model for the Vaisigano Catchment to determine frequency and magnitude of flood events as well as catchment response to rainfall
- **Flood hazard maps** produced for the lower Vaisigano
- **Floodplain Guideline and Flood Risk Management Action Plan** to mitigate flooding.
- Economic analysis of structural and non structural mitigation options

CLP (Water): understanding catchment, river gauge location and training
RE: cost benefit analyses of mitigation options

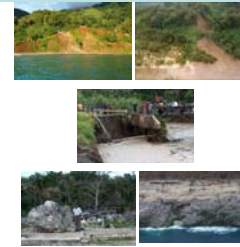
Degree of Flood Hazard

- Low - Caution
- Moderate - Dangerous for children
- Significant - Dangerous for most people
- Extreme - Dangerous for all

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Comp 2 – Post Disaster Technical Assessments

- Landslide risks following 2 April EQ in Solomon Islands [CRP+OIP]
- Floods and sedimentation problems at Ramu River, PNG 2007 [CRP+CLP]
- Storm wave impacts of Heta on Niue in 2004 [CRP + OIP]



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Solomon Islands

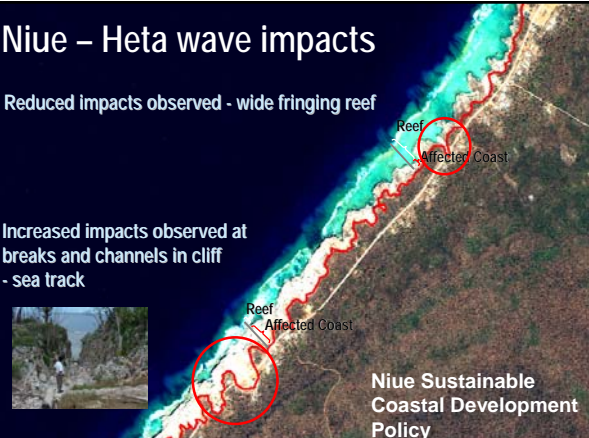
- Joint team of experts from the OIP and CRP assessed damage incurred from 02 April earthquake and tsunami.
 - Summary of technical assessments by scientists
 - Earthquake and tsunami impacts as well as secondary impacts such as landslides
 - Identification of risk reduction priorities
 - Infrastructure recovery and rehabilitation
- Meeting of scientists at STAR session in Tonga on **“Paleo-earthquake and Tsunami History of Active Plate Margins within the Pacific Islands Region”** to address the lack of knowledge that exists in the region with regard to large earthquakes and tsunamis. Ultimately, determine probability of future locally generated events.

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Niue – Heta wave impacts

Reduced impacts observed - wide fringing reef

Increased impacts observed at breaks and channels in cliff - sea track



Niue Sustainable Coastal Development Policy

Niue

- Post Cyclone Heta assessment provided basis for Niue Sustainable Coastal Development Policy

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Comp 3 - DRM National Action Plans

- National adaptation of the Framework for Action 2005-2015 and other relevant regional and international instruments
 - support of the Pacific DRM Partnership Network
 - High Level Advocacy Team to garner Government support
 - Multi sectoral involvement
 - Whole-of-country

OIP: analysis on issues in relation to coastal hazard management

CLP: water resource management

RE: cost benefit analyses, economic impact of disasters, poverty & disaster links