

# DISASTER RISK REDUCTION IN TIMES OF CLIMATE CHANGE



- **A PACIFIC  
PERSPECTIVE**

# PRESENTATION OUTLINE



- 1. A BRIEF OVERVIEW OF THE CLIMATE CHANGE VULNERABILITIES AND RISKS FACED BY PACIFIC ISLANDS**
- 2. A BRIEF OVERVIEW OF WHAT THE PACIFIC ARE DOING ABOUT DISASTER RISK MANAGEMENT AND CLIMATE CHANGE**
- 3. A FOCUS ON THE CASE OF THE CASE OF THE COOK ISLANDS – INTEGRATING DISASTER RISK MANAGEMENT AND CLIMATE CHANGE ADAPTATION**









OUR CLIMATE CHANGE  
VULNERABILITIES AND RISKS

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**INCREASED  
RAINFALL**

# Resulting in flooding





# Increased pollution and runoff into the lagoon



OUR CLIMATE CHANGE  
VULNERABILITIES AND RISKS

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**DECREASED  
RAINFALL**

# Threatening water security



# Impacting on agricultural production



OUR CLIMATE CHANGE  
VULNERABILITIES AND RISKS

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**INCREASED  
TEMPERATURES**

**RAISING SEA  
TEMPERATURES**

# Threatening marine ecosystems



OUR CLIMATE CHANGE  
VULNERABILITIES AND RISKS

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**SEA LEVEL  
RISE**

# Lost of coastal land





# Salt water intrusion into coastal lands and ground water sources



# CYCLONES



# Increased frequency of cyclones



# Increased intensity of cyclones



**Geoff Mackley**

OUR CLIMATE CHANGE  
VULNERABILITIES AND RISKS

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**STORM  
SURGES**



**GREENPEACE**

# IS THE PACIFIC COMMITTED TO ADDRESSING DRM AND CC?



- All Pacific countries have made commitments to address DRM and CC.
- At the global level through the implementation of the Hyogo Framework for Action 2005-2015 and the UN Framework Convention on Climate Change.
- At the regional level through the Pacific DRR and DM framework for Action 2005-2015 and the Pacific Islands Framework for Action on Climate Change 2006-2015.

# WHAT IS THE PACIFIC DOING AT THE NATIONAL LEVEL



- ESTABLISHED UNITS WITHIN AGENCIES TO ADDRESS CLIMATE CHANGE
- ESTABLISHED NATIONAL DISASTER MANAGEMENT OFFICES
- SOME COUNTRIES HAVE BOTH IN THE SAME AGENCY
- COUNTRIES HAVE ENDORSED POLICIES AND LEGISLATION FOR DISASTER RISK MANAGEMENT
- DEVELOPED DISASTER RISK MANAGEMENT NATIONAL ACTION PLANS (NAPS)



# CONNECTING DRM AND CC IN THE PACIFIC



- CLIMATE CHANGE ADAPTATION = MEASURES/INTERVENTIONS/ACTIVITIES THAT ASSIST COUNTRIES AND COMMUNITIES ADDRESS THE ISSUES OF VULNERABILITY AND RISKS POSED BY CLIMATE RELATED HAZARDS
- DISASTER RISK MANAGEMENT = MEASURES/INTERVENTIONS/ACTIVITIES THAT ASSIST COUNTRIES AND COMMUNITIES TO ADDRESS NATURAL AND MANMADE HAZARDS
- CCA COVERED IN DRM NAPS
- DRM COVERED IN CC NAPAS

# MOVING TO INTEGRATION



- REGIONAL HIGH LEVEL MINISTERIAL DIALOGUE IN VANUATU
- CLIMATE CHANGE ROUND TABLE IN NIUE

**AGREED TO THE INTERGRATION OF DRM  
AND CCA**

- SOME COUNTRIES ARE DOING THIS THROUGH JOINT NATIONAL ACTION PLANS

# THE COOK ISLANDS LINKING DRM AND CCA

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## WHY A JOINT NATIONAL ACTION PLAN?

- The recognition that the Cook Islands needs a Climate Change Adaptation Plan
- The Cook Islands has a endorsed DRM NAP which includes DRR in Climate Change
- Large degree of overlap in DRR and CCA
- Public consultations in 2010 during the National Infrastructure Forum and National Environment Forum recommended having 1 Plan to address both DRR and CCA

# RATIONALE



## **IT MADE SENSE TO:**

- Synergise institutional capabilities
- Make more efficient use of human and financial resources
- Enhance coordination
- Raise the profile of both DRM & CCA
- Present a united front

# PROCESS FOR DEVELOPING A JOINT DRM & CCA NAP

STEP 1 – Seek support of stakeholders

STEP 2 – Literature review of CCA documentation

STEP 3 – Integration of proposed CCA activities into the existing DRM NAP matrix (from lit. review)

STEP 4 – Multi-stakeholder workshop to validate and prioritise CCA activities to be included, incl. additional actions

STEP 5 – Costing of all new CCA actions

STEP 6 – Preparation of the new document incl. implementation arrangements, public outreach and M&E

STEP 7 – Circulation of draft for comments

STEP 8 – Preparation of final draft

STEP 9 – Submission of final document to Cabinet

Took place in  
October 2010

National CC  
Adaptation Week

TA support from  
SOPAC, UNDP PC  
& SPREP

IMPLEMENTATION

# NSDP Goal 6 – A Safe, Secure & Resilient Community



- **Broad-based consultation**
  - **OPM, EMCI, NES, SOPAC, SPREP, UNDP**
  - **Building on existing DRM NAP**
    - Adaptation Fund Project
    - EU & AusAid DRM Facility
    - Sector workplans
- **Interim unit under OPM**
  - **DRM Emergency Trust Fund**
  - **Sustainable funding for CCA?**







# KIA MANUIA

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