

# Adapting to a Changing Climate Workshop: Climate Camp 2010

*Preparation for the development of a community based adaptation  
guidebook for Micronesia*

*Sept 6-10, 2010 Pohnpei, FSM*

*Report Out to USCRTF Climate Change Adaptation Workshop  
John Starmer*



# Supporting the Micronesia Challenge

- Facilitated by:
  - Micronesia Conservation Trust (MCT)
  - The Nature Conservancy (TNC)
- With Support from the Pacific Islands Marine Protected Area Community (PIMPAC)
- Funded by German Ministry for the Environment, Nature Conservation, and Nuclear Safety

# Supporting the Micronesia Challenge

- Participants from the FSM (Yap, Chuuk, Pohnpei, and Kosrae), The Republic of the Marshall Islands, Palau, Guam, and CMNI
- Gathered in Pohnpei to share their knowledge with resource experts from MCT, TNC, Secretariat of Pacific Communities, the University of Guam, USGS and NOAA

# Supporting the Micronesia Challenge

Purpose to build capacity and develop support materials to enable communities to take action to adapt to climate change

# Supporting the Micronesia Challenge

- Northern Reefs (Palau)
- Babeldoab Watershed Alliance (Palau)
- Nimpal Channel Marine Conservation Area (Yap)
- Nglulu Atoll Marine Managed Area (Yap)
- Helen Reef Resource Management Program (Palau)
- Epinup Community Mangrove Forest and Marine Protected Area (Chuuk)
- Ahnd Atoll Biosphere Reserve (Pohnpei)
- Jaluit Atoll Conservation Area (RMI)
- Yela Forest Reserve (Kosrae)
- Woja Marine Conservation Area (RMI)
- Ailuk Atoll (RMI)

# Pre-Workshop Survey Results

Question 1. What are the top 3 concerns you or community members you work with have about climate change impacts in your country?

IMPACT	# of responses	Country
Food Security	3	Chuuk, Kosrae, Palau
Coastal erosion/ land slides	4	Chuuk, Kosrae, RMI, Pohnpei
Sea level rise and inundation Salt water intrusion	5	Palau, Pohnpei, CNMI, Palau, Yap
Drought – water security	2	RMI, Pohnpei
Coral reef degradation habitat and fisheries loss	2	CNMI, Palau
Loss of life, land, livelihood	1	RMI
Adaptation measures and design applications	1	Chuuk
Increases storms/ severe weather	2	CNMI, Yap
Biodiversity	1	Kosrae

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# Pre-Workshop Survey Results

Question 3. Please check all of the steps your organization/agency regularly carries out in community based engagement and planning at a site level.

_3_	Carrying out Transect line	_4_	Identifying Long-term, Medium-Term, and Short-term Outcomes (MP)
_1_	Developing Seasonal Calendars		
_2_	Developing historical timelines	_6_	Prioritizing the Threats (MP)
_3_	Socio-economic assessments prior to planning	_6_	SWOT analysis (VA) – adaptive capacity
_6_	Biological assessment prior to planning	___	<b>Climate Vulnerability Assessments</b>
_6_	Organizing a management planning team	_7_	Developing Good Goals and SMART Objectives (MP)
_6_	Identifying Stakeholders/ Stakeholder Analysis	_6_	Identifying Management Activities (MP)
_6_	Preparing a Time Line to Guide Development of the Plan	_5_	Prioritizing Management Activities (MP)
		_5_	Develop Zones and Regulations (MP)
_7_	Providing Awareness on Tropical Marine/Terrestrial Ecology	_5_	Developing a Site Description (MP)
		_5_	Socio-economic monitoring to understand management effectiveness (MON)
_5_	Mapping the site and surroundings		
_6_	Problem/Solution Tree	_6_	Biological monitoring to understand management effectiveness (MON)
_7_	Identifying, Prioritizing, and Mapping Natural Resources Targets	_2_	Reviewing and adaptively managing the plan and the project (MP)
_6_	Developing a Vision		
_7_	Identifying the Threats		
_7_	Mapping the Threats		
_6_	Analyzing the Root Causes of the Threats (MP)		
_6_	Identifying Possible Solutions (MP)		



# Pre-Workshop Survey Results

Question 4. Please check all of planning guidance tools you regularly use to support community-based engagement and planning at a site level.

- \_4\_ Conservation Action Planning (CAP) / Miradi
- \_6\_ PIMPAC management planning guidebook
- \_3\_ LMMA Learning Framework or other LMMA planning tool
- \_3\_ SPC Participatory Community process tool
- \_4\_ SEM-Pasifika
- \_1\_ Other \_USAID Guidebook/ URI Climate Change
- \_1\_ Other\_REIMAANLOK PROCESS

# Pre-Workshop Survey Results

## Question 6. What are the greatest needs to help communities adapt to climate change?

### Chuuk:

- Training
- Education
- Funding
- Equipment

### CNMI:

- Awareness of how their actions can worsen the cumulative effects of climate change on the environment.
- Concrete examples of the reality and immediacy of climate change- not all (many?) people consider climate change an imminent threat to business as usual.

### Kosrae:

- • Technical Assistance Programs
- • Financial Assistance
- • Outreach/ Awareness Raising

### RMI:

- Access funding for adaptation activities/project from donors, under the UNFCCC and others.
- Awareness of practical, immediate steps community members can take to adapt proactively (e.g. seawall design and

construction considerations; home construction recommendations.

- Capacity Building , technical teams and communities Awareness

### Palau:

- Finish national plans to access financial and technical resources
- Get the money to trickle down from national government to communities
- Education and awareness campaigns to fill in gaps on Climate Change (right information to right people)
- Establish mechanisms to see immediate change

### Pohnpei:

- Monitoring guidance and tools for coastal erosion and saltwater intrusion.
- oSimple and community-friendly guidance of coral reef bleaching detection protocols
- Improved weather hazard notifications
- Education and awareness

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# Based on the Survey Results: Workshop Agenda & Outputs

- **Section One: Why should our community care? Is there anything we can do?**
- **Section Two: What changes can we expect to see in the region and in our community? How will those changes impact our community?**
- **Section Three: How can we understand what is likely to happen in our community?**
- **Section Four: What can we do in our community to prepare for these changes?**
- **Section Five: Is there any help for our community to adapt to climate change? Will the work we do in our community be enough to stop CC impacts?**
- **Section Six: Appendices (e.g. concepts in local languages, support agencies for cc, etc.)**



# Workshop Primary Outcomes

- **Revision of PIMPAC Planning Manual to include Climate Change**
  - For Facilitators in Planning Process (local NGOs, Gov't, etc)
  - Used to facilitate the planning process
  - Facilitators will also help build community leader capacity to share info with community to enable planning for cc impacts
- **Flipchart & Fact Sheets for Community Outreach in Local Languages**
  - Tool for Traditional and Community Leaders & Champions to communicate the impacts of climate change and what the community can do
  - What is climate change, impacts, etc (regional level)
- **Companion Guide to Flipchart in Local Languages**
  - Placed based information for communities on climate change impacts and adaptation strategies

# Workshop Outcomes

- Collaborative group effort to design outputs appropriate for use with Micronesian Communities
- Revised the tools in the PIMPAC guide with “Climate Lens”
- Addition of a Vulnerability Assessment Matrix Tool
- Fast Fact Sheets from Resource Experts
- Outreach materials (PPT, Fact Sheets, Video Clips, Theater Activity, Outdoor Experience, Etc.)
- Partial List of Adaptation Strategies

# Workshop Outcomes

- Potential Climate Change Indicators/Measures for Adaptation Strategies
- Pilot Site Plans to Identify Locations and Adaptation Strategies to be Implemented
- Dissemination Plan for Updated Guides and Materials



