Adapting to a Changing Climate Workshop Report

Yap, Federated States of Micronesia April 2^{nd} to 6^{th} , 2012











Background

In 2010, The Micronesia Conservation Trust (MCT) supported the development of community based climate change adaptation tools for the Micronesia region. To design the most appropriate and useable products, consultants reviewed existing CC adaptation materials, spoke with various climate experts, and held a regional workshop with regional natural resource managers, community members, and climate change experts. Based on input at this workshop, the following products were developed:

Adapting to a Changing Climate Outreach Toolkit - which is designed to provide community members and stakeholders with an understanding of climate change concepts and adaptation strategies. This toolkit consists of:

- Large flipcharts visually depicting climate change concepts and actions that can be carried out to prepare and adapt to CC impacts.
- Facilitators guide to accompany the flipcharts, which include page-by-page notes on things to point out on the flipchart and concepts to explain.
- Booklets that provide the same visual content as the flipchart but offer more verbal description and explanations. These are to be used by community members and other stakeholders both during presentation of the flip chart material and afterward as they work on their adaptation projects.

Revised PIMPAC management planning guidance, which now includes a climate change lens through:

- Revised steps that ensure important stakeholders are involved and key questions are answered to address climate change in the planning process
- New steps including historical timeline, seasonal calendar, strength/weakness analysis, and vulnerability assessment to help understand the social and biological resource vulnerability to the impacts of climate change.

Upon completing these tools, a year-long training program concept was put together to identify funds that could support training on these new tools in the Micronesia region. Funding was secured through AusAid, Global Environment Facility, and the U.S. State Department to begin this training program, which included the development of a training design, and one workshop per jurisdiction in the Freely Associated States (i.e. Marshall Islands, Palau, Kosrae, Pohnpei, Chuuk, and Yap). The workshop held in Yap summarized in this document is the fourth workshop for the Federated States of Micronesia and conducted by in-region mentors.



Workshop Objectives

From April 2nd to 6th, 2012 the Micronesia Conservation Trust (MCT) and its Micronesia Challenge partners launched the training program in Yap, Federated States of Micronesia on the use of new tools to support community-based climate adaptation in Micronesia.

The objectives of the week-long training were:

- To provide a team of community leaders and practitioners from various sectors in Yap with the necessary skills to effectively communicate climate change concepts and foster vulnerability assessments and adaptation planning.
- To provide practitioners who carry out community management and adaptation planning processes in Yap with the necessary skills to develop or revise at least one community-based management and adaptation plan within one year of the training program.
- Development of a timeline and commitment for the Yap team to carry out the management and adaptation process for at least one site within one year.

Workshop Participation

The training was attended by approximately 30 people (participants and trainers). Trainees were present from various agencies, sectors, and communities within Yap including Governor's Office, Dept. of Health Services Public Health and Environment Health divisions, Dept. of Resources & Development and its divisions (Agriculture & Forestry, Marine Resources), Dept. of Education Curriculum and Professional Development divisions, Office of Planning & Budget Grants Management division, Yap EPA, IOM Yap office, Women's Interest Office, U.S. Forest Service –Yap, Yap CAP, Tomil municipality, and Nimpal Channel MCA community. Participants list can be found in Appendix D.

Participants include community members and/or natural resource agencies working with the following communities.

- 1. Colonia (town area from hospital to Chamorro Bay area)
- 2. Tomil municipality
- 3. Low lying islands focused on Falalop, Ulithi

These sites were used throughout the workshop to practice vulnerability assessment and adaptation planning exercises.

The training was led by PIMPAC regional mentor Berna Gorong and supported by Steven Victor of The Nature Conservancy.

Workshop Approach & Outputs

The workshop was carried out in two sections around two new tools:

Session One: Adapting to a Changing Climate Outreach materials **Session Two:** PIMPAC Management and Adaptation Planning guidance

Session One:

The first session focused on using the new CC outreach materials including the flipchart and facilitators notes to understand climate change concepts and develop locally appropriate ways to communicate key messages about these concepts. The Yap participants began to draft communications methods that could be used to help convey sections of the flipchart in local context settings. The output of this session was the development of a basic communication plan for Yap for climate change adaptation efforts. A translation of the flipcharts into Yapese was not done during the workshop due to age group of participants being young. The CC communication plan outline can be found in Appendix B and the team can further develop it to make it relevant for Yap.



Session Two:

The second half of the workshop was focused on learning new steps within a management planning process that can be used to carry out a vulnerability assessment through the use of participatory exercises. These new steps can help community members and managers understand how their natural resource and human related targets might be impacted by climate change. Throughout this session, participants practiced using new exercises in the process such as a historical timeline and vulnerability matrix and discussed how these new exercises could be integrated into existing planning processes. A field trip was done in area around town to look at targets in vicinity and adjacent communities to build into discussions on vulnerabilities to climate impacts and threats. Additional strategies from this session can be found in Appendix C. Finally, the workshop team agreed to meet again to begin to develop a local process for using the new tools and working together to implement climate change outreach and planning in at least one of the local communities.

APPENDIX A

Climate Change Adaptation Outreach and Planning Training Agenda Yap

April 2-6, 2012

Five-day Agenda

Monday	Part One: Understanding Climate Change Concepts					
	Introductions					
	Review objectives/overview agenda of the workshop					
	Background and Overview of the Local Early Action Plan (LEAP) and Outreach tool					
	Basic Communications: What makes a good presentation vs bad? How can communications about CC be more effective in Micronesia?					
	Outreach Session One: • Understanding healthy vs threatened Micronesian Community					
	Observations in changes in climate					
	Outreach Session Two: • Understanding Climate Change ○ El nino ○ Causes of CC ○ What changes can be expected? ○ Possible and Existing Impacts					
Tuesday	O to a li Continu III and					
	Outreach Session Three: • What does this mean for the community? ○ How will these changes impact a healthy Community? ○ How these change impact a threatened community – Cumulative Impacts					
	Outreach Session Four: • Climate Change Concepts and Vocabulary					
	Continue CC Concepts – exercise – pick a local resource and define it by exposure, sensitivity, adaptive capacity and vulnerability					

	Outreach Session Six:				
	 Is there Anything we Can do? What are other communities doing Adaptation Strategies Adaptation Strategies Adaptation Strategies 				
3:30 - 4:30	Outreach Session Seven:				
	 Community Management and Adaptation Planning – How can we understand what will happen to our community What can we do in our community to prepare for these changes? Vulnerability Assessment Taking action: A community plan to build resilience WRAP UP OUTREACH				
Wednesday	Part Two: Carrying out a Local Early Action Planning Process				
	Practice with Outreach Tools – small groups present back/Climate quiz				
	Review of local management planning process				
	Review of LEAP Planning Steps and the outcomes of the process.				
	Developing a Community Profile				
	Getting Organized and Identification of stakeholders				
	Checklist on Providing awareness on climate change				
	Mapping the Community/Site and its Resources (social and biological)				
	Complete a Threat/Action model for target resources (social and biological)				
Thursday	Developing a Local Climate Stown (naut 1)				
	 Developing a Local Climate Story (part 1) Historical Timeline Seasonal Calendar 				
	 Developing a Local Climate Story (part 2) Transect Walk SWOT Analysis – what are the most important indicators of adaptive capacity - exercise Fill Out the Local Climate Story 				
Friday					
	Completing the Vulnerability Assessment				
	Reviewing and Revising the Threat Action Model to include information from the vulnerability assessment				
	Report back on Vulnerability Assessment and new or revised actions				
	Develop a timeline for next steps to move forward				
	Wrap up/Workshop evaluation				

APPENDIX B

Climate Change Adaptation Communication Plan

Climate Change Outreach and Communication Tools Available:

MCT CC Flipchart and Bookle	ts
MCT CC Video	

Target Audience:

Community leaders and community members

Outreach:

[Didn't capture from flipchart]

POOR PRESENTATIONS ARE:
Go off topic

Communication Approaches:

[not discussed during workshop; team can discuss and include]

Entry Point for Discussing Climate Change with Community Leaders and Members

[not discussed during workshop; team to discuss in follow-up meetings and insert relevant and locally appropriate and accepted community entry points]

Other ways to explain key climate change concepts:

Resi	ient	Ser	sitive	Expo	sed	Vuln	erable	Ada	otive
0	Healthy	0	Ticklish	0	Experience	0	Weak	0	Ability to adjust
0	Intact	0	Soft	0	Open to the	0	Top priority	0	Neutral
0	Strong	0	Jumpy		outside/elemen	0	Likely to get sick	0	Resilient
0	Able to	0	Women		ts	0	At risk (<i>bai u</i>	0	Can change/
	recover	0	Men	0	Contaminated		tuyoyo wol)		chameleon
0	Excellent/	0	Feeling/easily	0	Naked	0	More prone to	0	Octopus
	gifted student		responsive	0	Not sheltered		something	0	Flexible
0	Natural			0	See through	0	Susceptible		
	resource					0	Must take action		
0	Adaptable					0	Potentially		
0	Bounces back						threatened		

Key messages for specific flipchart sections

Flipchart		Key Message	Key Message in Yapese (other	Communication Approach &	Time
Section			local languages)	Materials Needed	Needed
			-		
Understanding	0	Healthy resources =			
healthy vs		healthy community			
threatened	0	There are many			
Micronesian		local threats that			
Community		negatively impact a			
		communities health			
Flipchart 1: A					
healthy					
Micronesian					
community					
Flipchart 2: A					
threatened					
Micronesian					
community					
Elinchart 2: A					
Flipchart 3: A					
healthy					
Micronesian					
atoll					
community					
Flipchart 4: A					
threatened					
Micronesian					
atoll					
community					
Understanding	0	Climate variability is			
Climate Change		dominated by			
and Climate		EN/LN events have			
Variability		caused significant			
· anabiney		social and biological			
Flipchart 5:		impacts in			
What is climate		Micronesia			
change?	0	We don't know how			
change.		CC will affect ENSO			
		events. When			
		events are			
		predicted, it's important for			
		communities to			
		prepare for likely			
		impacts.			
	0	CC change is over a			
		much longer			
		timeframe. Climate			
		variability is a lot of			
		what we're			
		WHAT WE IE			

Flipchart 6: What is El Nino and La Nina? Flipchart 7: What changes can we expect to see in the region?	experiencing now. Human activities have caused climate change CC predictions: SLR Inc. SST Inc Air Temp Inc. Ocean Acidity Change in Weather Patterns
Flipchart 8: Why should our community care? Flipchart 9: How will these changes impact our community?	Community should care because potential impacts to food, culture, health, natural resources, etc. Communities in Micronesia already noticing changes Protecting resources now =increased chance of survival and ability to meet our community needs now and in the future
Flipchart 10: Cumulative impacts	More threats to resources = less ability to survive changes over time
Is there Anything we Can do?	O There are things your community can do to cope with climate change O Communities around the Pacific are already taking action!

Community Management and Adaptation Planning	 Understanding our vulnerability to CC impacts helps us better prepare Healthy community = More resilience/ Less vulnerable Threatened community = Less 		
=	= More resilience/ Less vulnerable O Threatened		
	vulnerable o Making a plan can help your community be effective in taking action		

APPENDIX C

Additional Adaptation Strategies to be included in discussions about what communities can do

1) Agriculture

- i) Practice traditional ways of gardening
- ii) No chemical fertilizers
- iii) No machinery w/gardening
- iv) Raised bed/intensive method for gardens

2) Terrestrial

- i) Limit burning for gardening
- ii) Protecting native trees/plants
- iii) Wildfire prevention
- iv) Utilize bamboo, nipa fast growing materials vs. old trees
- v) Awareness on invasive species

3) Water sources

- i) Laundromat operations (monitor)
- ii) Water hours
- iii) Catchment
- iv) Water conservation awareness/education

4) Coral reefs/fisheries

- i) Clean and maintain polluted stream that flows into the water
- ii) Traditional conservation methods (limited take, fish weirs, regulations)
- iii) Invasive species removal/monitoring
- iv) Ecotourism, scuba diving
- v) Reduce pollution, run off, reef clean up
- vi) Law enforcement
- vii) Size limits on fishes
- viii) Protect endemic fish species
- ix) Protect endemic coral species
- x) Promote fisheries nurseries

5) Coastal land

- i) Monthly clean-up
- ii) Sustainable development
- iii) Traditional in-land gardens, agroforestry, taro patches
- iv) Control invasive
- v) Mangroves as coastal protection

6) Support community well being

- i) Community involvement and leadership involvement
- ii) Establish disposal site
- iii) Waste disposal/recycling
- iv) Establish community meetings
- v) Work with other communities

APPENDIX D

Participants List

Participant name Organization/Community Contact info

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