

# Pacific Adaptation To Climate Change Project Federated States of Micronesia 1st Quarter 2014



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“To reduce vulnerability and increase the adaptive capacity to the adverse effects of climate change in the coastal zone management sector”

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## From FSM PACC PMU

Welcome to our third quarter newsletter for this year. Information provided herein entails activities performed by FSM PACC Project Management Unit.

### Coastal Erosion Flipchart Workshop

A toolkit for teaching coastal erosion is been prepared by the Micronesia Conservation Trust (MCT), the Pacific Is. Managed and Protected Area Community (PIMPAC) and the Nature Conservancy (TNC). This workshop brings together coastal experts, Government and Non-Government Organizations to share information and experiences with coastal erosion issues. The outcome of this workshop is the development of a Toolkit for coastal erosion awareness. The team of coastal experts met previously in Palau.

Coastal engineers, Mr. Doug Ramsay from NIWA and Dr. Arthur Webb from SOPAC, were the principal consultants. FSM PACC joined other Government and NGO's to learn and share erosion issues on Kosrae. There is a need to educate the people about what causes coastal erosion and what is needed to make us less vulnerable to its negative effects. Coastal erosion as been addressed by engineering projects, which are temporary solutions that can cause damage in nearby areas. With this toolkit, Government Officials, Utilities companies and the general public, will receive the information required for protecting our coastline, the people and the infrastructure.

The workshop was held the last week of January, with three days of meetings and one afternoon of field trip at one of the islands threatened coastlines at Malem. Funding for this workshop was provided by MCT, PIMPAC, TNC and the Coping with Climate Change in the Pacific Region Program from the German Technical Cooperation Agency (GIZ-CCPIR)



Participants tracking changes in the coastline using satellite photos.



Mr. Ramsey took us on a field trip.



## **CC, Tides and Waves Presentation to 7th Graders**

On February 7th, FSM PACC awareness coordinator, Carlos Jose Cianchini; gave a presentation on Climate Change, tides and waves. Thirty six, 7th grade students from Lelu Elementary School, attended the presentation. They learnt about the tides, our meteorological equipment, coastal erosion, waves and climate change. Part of the presentation was about the expected raise in sea levels and examples in their village were given and how to adapt to those changes. Students were told to ask their elders for changes thru time.



Mr. Cianchini explains how to read the tide tables prepared using FSM PACC meteorological equipment. Photo Carlos B. Cianchini

## **Climate Change Presentation to Lelu Elementary School**

On February 20, Mr. Cianchini, gave another presentation on the importance of Protected areas to be less vulnerable to the impacts of a changing climate. Fifty two students of 6th and 7th grade attended the presentation. Mrs. Ruthey M. Luckymis from KIRMA, also gave a presentation on the impacts and adaptation to climate change. This is the second visit to Lelu Elementary School during this month to prepare the students for the art contest on Climate Change Impacts in Kosrae



Photo by Ruthey Luckymis

## **USGS Team Came to Kosrae to Prepare Landslides Hazards Study**

Kosrae received the visit of a team from the US Geological Survey to prepare a Landslides Hazard Map. The team was in charge of Mr. Edwin Harp. FSM PACC assisstant, Mr. Carlos Cianchini took them to the farm roads where the government plan to relocate the infrastructure and people as an adaptation strategy for the raising sea levels and flooding by storm surges. The USGS team met with the Governor's Cabinet Members to explain the scope of their study. They stayed on the island from February25 until March 4.

## Song and Art Contest

The FSM PACC Project promoted two contests for the people of Kosrae. An art contest for 6th and 7th grade students, and a song contest for the general public. The theme for both contests was "Climate Change Impacts on Kosrae". We announced these contests by the local radio station and by the use of flyers distributed around the island. The date line for the art and song submissions was March 3. A total of seven songs and 58 drawings were submitted. Mrs. Ruthey M. Luckymis from KIRMA, help us with the contest announcement and winners screening.

During the closing Ceremony of the 4th FSM Environmental Conference, the winners of the FSM PACC's Song and Art contest were awarded. The winner of the song contest was Miss Trisstesa H. Abraham, a 7th grade student of Lelu Elementary School, the second prize went to the Lik Boys Choir from Lelu. The winners of the art contest received their prizes the same activity. Four winning entries were from Utwe Elementary School and one from Sansrik E. S



Trisstesa performs her song to the Conference participants.



The winners of the art contest.

## Climate Change Video Editing

The third week of January, we received the visit of the Pacific Resources for Education and Learning (PREL) Manager, Mrs. Coreen Barros; for the development of an educational video. PREL representative at Kosrae DOE, Mr. Winton Clarence, KIRMA's environmental educator, Ruthey M. Luckymis and PACC's Carlos Ci-anchini; met for two days to edit video clips. This team



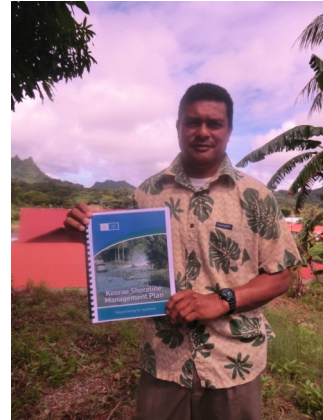
Photo by Ruthey Luckymis

has been filming interviews to Kosrae Senior citizens about the changes to our mangroves thru time. Once finished, this video is to be used as a teaching tool for Kosrae Elementary School students

## **The Kosrae Shoreline Management Plan**

Last March 21st, The Kosrae Shoreline Management Plan, was officially presented to Kosrae Governor Honorable Lyndon H. Jackson. During the closing ceremonies of the 4th FSM Environmental Conference, Mr. Fenno Brunken of the German Cooperation Agency (GIZ), gave the Governor the document. The new Plan is a revised and updated version of the original one prepared in the year 2000.

On July 2012, a group of consultants came to Kosrae for this project. The consultants were Mr. Douglas Ramsay, a coastal engineer at the National Institute of Water and Atmospheric Research (NIWA) in New Zealand; Dr. Arthur Webb, a coastal process advisor with SOPAC and Mr. Fenno Brunken, a CC advisor with GIZ. They met with the Governor and different stakeholders.



During April 2013, Mr. Ramsay came to Kosrae and met with the Governor, his Cabinet, the State Legislature, representatives of the housing and utilities, the engineers and the general public in the five villages. He presented the varied impacts of coastal erosion and some adaptation strategies to make us more resilient to the expected changes in the futures. Sea walls are temporary solutions, a best alternative will be moving inland. Extreme changes are not expected in two generations, but we should nonetheless begin preparing now.

The consultants suggested the rehabilitation and improvement of the existing farm roads as an alternative to the threatened coastal road. These roads will be climate proofed with the guidelines to be developed from the FSM PACC Pilot Road Project. Mr. Ramsay based his analysis of the Kosrae's coastal erosion by his extensive experience on the island from 1998 – 2000, while working for Kosrae Resource Management Authority (KIRMA). He prepared the Original Kosrae Shoreline Management Plan of the year 2000.

## **Pilot Project for Climate Resilience, PPCR**

The first week of March, we received the visit of SPREP's consultant, Mr. Aaron Buncle. He came to gather data for the Pilot Project for Climate Resilience (PPCR). This project aims to pilot and demonstrate ways in which climate risk and resilience may be integrated into National, State and Sectorial development planning. Mr. Buncle met with local agencies and organizations during the week and also facilitated a workshop on Friday. Policy processes were recollected from the participants to fine tune and achieve results. Mr. Buncle also met with National agencies in Pohnpei during the 3rd week of March.

## Other Presentations

FSM PACC Coordinator, Mr. Simpson Abraham, presented our Project in two meetings. During the first week of March, Mr. Abraham attended the Pacific Risk Management Ohana ( PRiMO) meeting in Honolulu, Hawaii. The purpose of this meeting was the sharing of information within a wide range of partners to enhance the resilience of Pacific communities to hazards. He made a presentation, “ Critical Issues for Small Islands”, where he talked about the FSM’s situation.



Mr Abraham also made a presentation during the 4th FSM Environmental Conference, held in Kosrae during the third week of March. Representatives from the environment sector from the four States and the National Government as well as SPREP and SPC representatives; attended the meeting. Mr. Abraham talked about the the FSM PACC accomplishments.

During the Closing Ceremony, the first two winners of the song contest, performed their songs.

The FSM PACC Newsletter is a quarterly publication to share the project achievements and news with our stakeholders and colleagues. It is written, revised and edited by the FSM PACC Coordinator and assistant. The photos were taken by Carlos Jose Cianchini unless credited to another person. Waves painting from Microsoft Clip Art.

### About FSM PACC:

The Federated States of Micronesia is part of the 14 Pacific Islands Countries under the Pacific Adaptation to Climate Change Project. The Project is implemented by the United Nations Development Programme in partnership with the Secretariat of the Pacific Regional Environment Programme. It is funded by the Global Environment Facility and the Australian Government. FSM PACC is adapting coastal road designs to take into consideration the impacts of climate change.

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