



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

## Mainstreaming: Environmental Impact Assessment

During this quarter, an interagency group have met at the Kosrae Administration Conference Room to develop guidelines for Environmental Impact Assessments (EIA) for development projects. The meeting was focused on sustainable land use and climate change aspects. On May 15—17, an EIA workshop was conducted by the Environmental Planning Officer, Mr. Tepa Suasei, from SPREP. The participants were from the Kosrae Island Resources Management Authority, KIRMA; Pacific Adaptation to Climate Change, PACC; Department of Resources and Economic Affairs, DREA, Public Works, Transportation & Infrastructure, Mayors and the Non Government Organizations: Kosrae Conservation and Safety Organization, KCSO; Yela Environmental Landowners Authority, YELA and the Kosrae Women’s Assoc. At the same time, Mr. Suasei helped the PACC project to develop the Terms of Reference for the assessment of key environmental impacts of the proposed climate proofing road project of the State of Kosrae.



EIA Workshop



Mr. Tepa Suasei

Mr. Abraham met with the Japan International Cooperative Assistance, JICA Coastal Survey Team to review the 2012 JICA Development Framework & Overseas Development Assistance for Kosrae. The team was interested in learning more on the PACC project and would like to incorporate climate proofing against the proposed design for the project in Kosrae.

## Loss and Damage

FSM PACC Project Coordinator, Mr. Simpson Abraham, attended a Loss and Damage workshop in the Philippines on May 15-19. This workshop was organized by the United Nations University at Bonn, Germany. Loss and Damage is a new concept in climate research, and it is the negative effects of climate change that many households and communities in the world have not been able to cope with or adapt to. Beginning in July, 400 households in Kosrae’s coastal zone, will be surveyed on how coastal erosion causes loss and damage to the people and the communities. This study will contribute to better understand what combination of policies can decrease the negative impacts and increase resilience to sea level rise and coastal erosion.

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### *Pilot Project— Okat road*



Quarry site visit at Wiyac, Tafunsak.

On May 1st, 2012; A site visit to the Wiyac quarry which could supply the aggregates needed for raising the road between one to two feet (30—60 cm.). Present at the site visit were the Tafunsak mayor, personnel from the Dept. of Transportation & Infrastructure, KIRMA’s permitting, Land Management, PACC Project and the landowner’s representative. After solving a minor problem with one of the Tepat quarry landowners, 710 cubic yards of fill material has been extracted. Then it has been hauled, spreaded and compacted to raise the road 18 inches for a stretch of 600 feet within the 2.275 miles of segment 3 of the road. It is estimated that section of the road will require 5,000 cubic yards. To climate proof the road, the actual elevation will be raised and bigger culverts will replace existing ones to allow rain runoff and high tide water from the mangrove to pass freely under the road, diminishing damage to the road.

On June 6, we recharged the telemetry account of the tide, rain fall and solar radiation meters. This allows the meteorological data to be transmitted to the National Institute of Water and Atmospheric Research LTD in New Zealand and the FSM National Weather Service in Pohnpei, where it is analyzed and sent to our office.



Tafunsak Senior citizens

### *Capacity Development— Senior Citizens*

On April 2—13, PACC started their community visits on the four municipalities including the Walung village. The Kosrae Climate Change Awareness team members (see 1st quarter issue), took turns in facilitating the meetings at every village visited. The Senior citizen groups were targeted first, because they have witnessed changes in the climate for a long time. Both males and females attended these meetings. A power point presentation, “Adapting to Climate Change”, was presented to the participants.



Malem Senior citizens



The crew received a lot of questions and comments from the people, in which wood harvesting was the most controversial. Complaints about the possibility of banning wood harvest was brought by all the groups. It was explained to the people that there is no proposal for a ban to wood harvesting, however they will need to utilize the selective cutting method and not clear cutting and to replant the harvested areas. The people agreed with them.

## Promoting the FSM PACC Project

PACC project assistant, Mr. Carlos Cianchini attended two regional meetings to talk about the FSM PACC Project. The first meeting was in May 16, during the Micronesian in Island Conservation Retreat in Chuuk. The second meeting was in Honiara, Solomon Islands, during the week of May 21 –25. This workshop was about Participatory 3D Mapping. On both meetings, we talked about the climate proofing of the coastal road in Okat, and about the Climate Change awareness in Kosrae. On the first meeting in Chuuk, the audience were from Palau, FSM, Marshall Islands, Northern Mariana Islands and American Samoa. We shared the document “Adapting to Climate Change” with the American Samoans. This document from the Micronesia Challenge and funded by The Nature Conservancy and the Micronesia Conservation Trust. On the second meeting, the participants came from Melanesia, Polynesia, Palau, Kosrae and the Caribbean. Information about climate change in schools curriculum was requested by Samoa and the Solomon Islands, and we are in the process of sending the information.

Both meetings gave us the opportunity to meet colleagues on climate change awareness. The 3 Dimension Maps serve as a tool for communities to participate in future development plans in their communities.

## FSM PACC *blog site.*

The FSM PACC project has a blog site. We learned at the P3DM Training (previous note), that the use of blogs is a tool for sharing information about the project. You can access the blog at [fsmpace.blogspot.com](http://fsmpace.blogspot.com)

## Other Awareness Activities

In May, we received a visit of the 350 Organization, an environmental NGO, that spreads the word on global warming. 350 is the concentration of Carbon dioxide (CO<sub>2</sub>) in parts per million (ppm), which is the level that the planet can handle without causing problems. Currently, we are at 390 ppm.

We received a lecture and we planted some trees to absorb carbon and CO<sub>2</sub>.



MIC Retreat in Chuuk



P3DM in Solomon Is.



fsmpace.blogspot.com



### *Youth to Youth Summer Camp*



Lisa talking about protected areas.  
Field trip with Carlos.



During the week of June 25-29, PACC participated in KCSO's Youth to Youth Summer Program. The activity was targeting on 5,6 & 7th graders in Kosrae. This year's theme is "Kosrae's Protected Areas". FSM PACC joined Kosrae Conservation and Safety organization, Yela Environmental Landowner's Authority, Kosrae Island Resources Management Authority and the Dept. of Resources and Economic Affairs in the awareness on protected areas. There were 105 students from around the island attended this activity. On the first day, Ms. Abraham did an outstanding job in giving a presentation, "Protected Areas and Climate Change", in which she explained the importance of having protected areas to be more resilient to the expected changes in climate. On the second day, the Lelu Students went on a field trip to Awane Marine Park to talk about the flora and fauna found in the area. Mr. Cianchini gave a clear and informative lecture about Lelu's proposed Marine protected area, Awane Marine Park.

### *Program Management*



Miss Lisa S. Abraham

During the months of June and July, PACC had a College of Micronesia intern working with them. Meet Miss Lisa S. Abraham. She is a student at the Marine Science Program. She wants to finish her two year degree at COM, and then continue in Guam until she completes her Bachelor's degree.

The PACC Newsletter is a quarterly publication to share the project achievements and news to our stakeholders and colleagues. It is written, revised and edited by the PACC project coordinator and assistant. The photos were also taken by Simpson Abraham and Carlos Cianchini unless credited to another person.



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