Meeting Summary

PacIOOS Guam Stakeholder Workshop

University of Guam

July 22, 2010 11am-3pm

**Summary of Meeting**

1. Chris Ostrander, Zdenka Willis, and Jim Potemra welcomed everyone to meeting and gave three presentations introducing IOOS and PacIOOS, showcasing development to date in Hawaii and the insular Pacific region, and explaining a timeline for upcoming funding. Copies of these presentations are posted on the PacIOOS website.
2. Chris Ostrander facilitated the discussion of three questions regarding PacIOOS development:

 • What are outstanding model/observational needs/gaps that PacIOOS could deploy assets to address in the Guam?
 • Are there specific data products PacIOOS should be producing? At whom should those products be targeted?
 • How can PacIOOS enhance existing projects/partnerships and increase leveraging opportunities in Guam?

**Question 1: What are outstanding model/observational needs/gaps that PacIOOS could deploy assets to address in Guam?**

Reactivate USGS rainfall and stream gauges or deploy cheaper versions of gauges in priority watersheds.

A waverider buoy along the west of Guam/CNMI and/or off Apra Harbor is needed

Sensor in Cetti Bay is a good start---similar sensors in other impacted bays and outfalls around the island is needed. Need to be as complex a system as the one in Cetti---lower cost allows for more sensors to deploy.

Consider adding pH and DO to water quality sensors.

Turtle tracking and tagging would be useful in Guam and CNMI.

SEAFRAME tide gauges in Majuro, Pohnpei, and Palau

ADCPs for current modeling and process studies.

Current model for Guam and CNMI. Similar to Hawaii ROMS model.

Tide stations for Chuuk and Kosrae

HF Radar for Apra and Tumon.

**Question 2: Are there specific data products PacIOOS should be producing? At whom should those products be targeted?**

Predictions of SLR in coming century, specifically as it relates to harbors.

Beach safety website, similar to Hawaii, for Guam beaches. Include water quality data.

Ocean Atlas of regional ocean properties, annual, and season variability.

Inundation maps for sea level rise and storm scenarios.

**Question 3: How can PacIOOS enhance existing projects/partnerships and increase leveraging opportunities in American Samoa?**

PacIOOS should work with DOD on the Navy buildup---especially as the Navy has current and biological data from Apra Harbor.

Outreach is possible with the coral growth and ecosystem center in Cetti Bay.

Potential partners for outreach: Guam Environmental Alliance, Guam Environmental Education Partners, Marianas Resource Conservation and Development Council