



PI RPB Data Team

Teleconference

August 1, 2017

Meeting outcomes:

1. Discussed the way forward
2. Discussed and agreed on the approval mechanism for the Work Plan.
3. Furthered discussion about data portal options: Marine Cadastre, PaclOOS, PDC, NPS

Attendees: Sarah Pautzke, Nicole Griffin, Miranda Foley, Arlene Guest, Tom Murphree, Mark Finkbeiner, Joan Delos Santos, Rob O’Conner, Becky Walker, Jared Batzel, Gretchen Chiques, Gordon Tribble, Jim Potemra, Jesse Rojas, Maria Kottermair, Lyza Johnson, Gina Faiga

CMSP Review

Ms. Griffin, the Data Team Lead, provided a brief overview of coastal and marine spatial planning (CMSP) to clarify that this is a process to help planners make decisions about current and future best uses. This process and related planning will drive the type of tool the Pacific Islands Regional Planning Body (PI RPB) is seeking and to help identify the types of data for the tool.

The PI RPB will be developing a regional plan that will be supported by sub-regional plans. These locally driven plans will direct the type of data needed. The Data Team will identify where data could be housed, where data are, and what data are available.

The Way Ahead and the Work Plan

The Data Team discussed moving forward to enact the Work Plan. This included discussion about the status of the Work Plan, which was endorsed by the Data Team. Approval by the PI RPB co-leads is forthcoming in the near future; after co-lead approval, the plan will be final. The Work Plan is an internal Data Team document, not a product of the PI RPB, so the PI RPB co-leads can approve the document.

Once the Work Plan is approved, the Data Team Lead will identify possible Courses of Action (COA) related to the various tasks. The Data Team will review and recommend its preferred COA to the PI RPB for adoption.

The Executive Steering Group for the Data Team is comprised of the Data Team lead (Ms. Griffin), the co-leads, and the PI RPB coordinator.

Funding

The Data Team Executive Steering Group applied for the Big Earth Data Initiative NOAA grant. Our application was not approved.

The Data Team Lead was able to secure additional funds through Naval Postgraduate School to support the development of the prototype data portal.

The Data Team still has funds from the Moore Foundation grant that are marked for spending on portal development. Additionally, NOAA Pacific Islands Regional Office is determining their capacity for contributing to the effort.

After the COAs are approved by the PI RPB Co-Leads, the Data Team will have a better idea about the funding needed to move forward.

If anyone hears about a funding opportunity that they are interested in but do not have the capacity to respond, they should engage the group. A team of us may be able to respond.

Data Portal Hosting

The Data Team lead discussed the option of jurisdictions hosting data portals versus having a regional data portal that draws on federal agencies, jurisdictions, and other data sources. She asked the Data Team what the preferred data portal setup would be.

Agreement: *The Data Team agreed on a regional data portal.*

Data Partner Presentations

The Naval Postgraduate School developed a prototype data portal that they are adding to throughout the next year with their renewed funds. The data that are being collected and its structure are easy to ingest into other portals, such as Marine Cadastre.

There are options for the data portals. The Data Team heard from Pacific Disaster Center, PacIOOS, and Marine Cadastre about options for data portals. There are also jurisdictional data portals. For example, Hawaii has an open GIS portal online. American Samoa also has a GIS portal and mapping interface. It may be possible to pull in data from other portals that to create a new one.

Marine Cadastre is a collaboration between NOAA Office of Coastal Management and Bureau of Ocean Energy Management that was originally designed to support offshore wind energy permitting by providing authoritative data to permit proposers and reviewers. Subsequently, it expanded to support CMSP. It also now includes coastal wetlands; the original extent was from federal waters to near coastal zone. The Marine Cadastre worked closely with the New England and Mid Atlantic RPBs as they developed their portals because part of Marine Cadastre's

mission is to make the portals successful, not redundant. The Marine Cadastre provides open access to the public, who's their audience. Marine Cadastre can work with data providers and others who may be uncomfortable with the data being available. For example, they can remove particular attributes from a data set or change the resolution (e.g. when fishing data are too specific).

The ***Pacific Disaster Center (PDC)*** has a global mission with an emphasis on the Pacific. They are partly funded by the Department of Defense. PDC lays hazards on demographic data to determine potential impacts to communities with respect to disasters, like tsunamis. They also assess the slow onset issues such as climate change and seawater inundation. One drawback for PDC is that, to utilize the interface, you must be disaster management personnel. However, they would be happy to work with us on our data processing needs and determine if they can help with hosting. Most data they provide is open source with available metadata.

PacIOOS is part of a regional association of integrated ocean observing centers across the US. They are largely funded by NOAA. PacIOOS's responsibility is for the Pacific Islands ocean observing and their website is pacioos.org. PacIOOS provides ocean information to end users. Most data collection is through University of Hawaii, but also data are received from American Samoa Community College, College of Micronesia, University of Guam, and others. The most popular data is from wave buoys including point measurements of wave height and direction. Their biggest datasets are forecast models for ocean and atmospheric circulations, as well as ocean waves. They have a high resolution grid for Waikiki, then with decreasing resolution: Oahu, Hawaiian Islands, and Pacific Islands. PacIOOS uses an open source data transport mechanism to allow them to serve the public. PacIOOS already pulls data into their interface from PDC and Hawaii, as well as others.

Data Partner and Portal Discussion:

Data Gathering:

NOAA OCM has the technology and training for getting additional human use data.

Ms. Griffin will be asking the data team members via questionnaire for information about the data that their respective organizations host and use. The information will be used (or pointed to) in a potential data catalogue for us in our portal development.

Data Portal Development:

A comment was that a web page that directs people to local existing portals for specific data could be created. The first contact point can also provide Pacific basin-wide datasets that all places have an interest in. It also could link to other data sets available for the region or nation.

These national and/or regional data do not need to be housed on local jurisdictional portals. Existing local portals already work to point to local data and they do not have the capacity to house redundant national or regional data not already utilized at the local level. The benefit to

a webpage of all portals is that it allows jurisdictions to focus on their local data, while agencies provide the regional and national data.

Jurisdictional data should be accessible via the existing portals instead of all being uploaded to a main portal. The PI RPB could support data gathering that is needed to compliment or augment jurisdictional data.

Data should be able to be downloaded to provide users the ability to either use the data online or on a desktop application.

Tasks:

- Ms. Griffin will work with the Coordinator to send out the data type questionnaire.
- Ms. Griffin will send out COA options to the Data Team for their review and input.
- Put together a grid of the types of data different organizations and agencies have.
- Ms. Griffin will have a kick-off meeting with Naval Postgraduate School to help guide their work.

Links relevant to this teleconference:

[What is CMSP?](#)

[Naval Postgraduate School](#)

[PacIOOS Voyager](#)

[Pacific Disaster Center](#)

[NOAA Marine Cadastre](#)