



PI RPB Data Team

Teleconference

May 30, 2018

Meeting outcomes:

1. Discussed the way forward
2. Discussed and agreed on the approval mechanism for the Work Plan.

Attendees: Nicole Griffin, Sarah Pautzke, Miranda Foley, Arlene Guest, Tom Murphree, Joan Delos Santos, Rob O’Conner, Gretchen Chiques, Jim Potemra, Ann Gibbs, CAPT Ash Evans, Michael Parke, Robbie Greene, Rodney Camacho

DATA PORTAL

Naval Postgraduate School created a nicely-designed preliminary data portal. However, the project is coming to an end so the PI RPB is looking for another entity to carry that forward. The entity would need a mission closely aligned with ocean planning, as well as low maintenance cost and low cost to develop. The Data Team has heard from the Pacific Disaster Center (PDC), PacIOOS, and Marine Cadastre. Each has a similar mission, but with slightly different foci. We are developing a request for information (RFI) to winnow down which would be the best. Data Team members should email Nicole and Sarah recommendations for what they would like to see in the RFI. The goal is to get the RFI to the agencies by June 15, then allow several weeks for the agencies to analyze and respond.

Discussion

The Data Team agreed to cut PDC from the list, and just put the RFI out to Marine Cadastre and PacIOOS.

The Data Team offered questions for the RFI:

- Is there an ability to have open access or do people have to register for an account that needs to be approved?
- Would either be willing to absorb the function and flow of the scheme that NPS created?
 - PacIOOS can create a completely new interface, but that costs more than changing out data layers from an already existing interface.
 - Money can be saved with PacIOOS by excluding forecasting programs and up-to-the-minute data.
- Are regular updates to the data part of the price quoted?
 - PacIOOS: No, it’s not normally incorporated. There is also a difference in price for a PDF versus a shape file.
- What innovative initiatives do you have for future development, such as crowd sourcing data and metadata?

Marine Cadastre covers the entire United States, but can do a regional page for the PI RPB portal. Mapping zooms to each jurisdiction.

Both Marine Cadastre and PacIOOS provide the ability for users to download data from their site.

Data that is “web ready” may be a problem for CNMI, however the data for American Samoa, Guam, and Hawaii are “web ready.” Mr. Potemra, PacIOOS, offered that PacIOOS can make data web ready if it isn’t. “Web ready” means there is standard metadata including georeferencing, and the data is in a standard format.

The data provider is responsible for keeping their data current and ensuring it’s provided to the portal.

Developing the data portal may require services beyond what PacIOOS or Marine Cadastre can provide. The PI RPB should be prepared to look to contractors to do these tasks. Tasks may include preparation of data sets, generating metadata files, or development of special visualization or analysis tools.

Mr. Greene described a tool that he developed for CNMI. It allows displaying of different uses, as well as use of a “fishnet” that can provide relevant permitting information for polygons. One example of its usefulness was for DOD proposals for military training south of Saipan. Several people were wondering what activities the closures for proposed training exercises would overlap with. Clicking on a cell within the fishnet describes the activities for that cell. For the ocean plan, it’s a way to capture spatial footprints of activities, particularly since there isn’t much existing data in CNMI regarding use footprints. It can also be used for exploring conflicts in the future.

DATA HEADERS

During the ocean planning meetings in Guam and CNMI, the data headers and content from the Data Team’s Work Plan Appendix were discussed. The following is a summary of the suggested changes and the decision by the Data Team. The Data Team also suggested allowing the data portal developer some leeway in refining the categories.

Change the header “Indicator species” to protected, or managed species?

The suggestion by a Data Team member was to make it generic or include all three descriptors. Indicator species are commonly used as surrogates for ecosystem health, as opposed to protected species which can be outliers and not necessarily an indicator of ecosystem health. Managed species may or may not be indicator and/or protected species.

Consensus: Change header to “Marine species of interest.”

Add “Government Regulated Areas”

Government regulated areas have boundaries; governance describes an agency’s jurisdiction. In the Mid-Atlantic, they use the term administrative boundaries.

Consensus: Add “Administrative layers” as a header and include security layers.

DATA ADDITIONS

The Data Team agreed to review the requested/suggested data from the ocean planning meetings with the understanding that some of the data may or may not be available.

ASOPT/DATA TEAM INTERCHANGE

An exchange happened between the American Samoa Ocean Planning Team (ASOPT) and Data Team for the first time. The ASOPT provided a list of desired maps for inclusion in the AS Ocean Plan for the Data Team to review to determine if any of the maps are available.

PacIOOS has EEZs, ship tracks, and submarine cables. However, PacIOOS operates using a screen grab and cannot push out to an image file, which would probably be better for a figure in the AS Ocean Plan.

There may be a heat map of marine debris but because marine debris moves around, generating this type of map may be problematic. In Hawaii, Division of Aquatic Resources generated heat maps of marine debris, but it's unclear if any have been generated for American Samoa.

Naval Postgraduate School does not have marine debris or cables data. The state of Hawaii has submarine cable data, but again, it's unclear if there are data regarding cables for American Samoa.

AIS datasets could show ship traffic for American Samoa from which representative depictions could be generated.

For historical and new imagery, three places were identified to look: Naval Oceanographic Office, NOAA Office of Coast Survey, and the AS Historic Preservation Office.

DATA FOR AMERICAN SAMOA OCEAN PLAN

The Data Team was asked for a review of data by June 15. The goal is to identify if your agency does in fact have the data that is listed. We also want to know of any mapping efforts.

The Data Team was asked for map generations by September 30. The PI RPB coordinator will be in touch with team members regarding requested maps for the AS Ocean Plan.

MARCO PORTAL

The ASOPT reviewed what they did and did not like regarding the Mid-Atlantic Regional Council for the Ocean's Data Portal. As Naval Postgraduate School's prototype is migrated to the final host, there is an opportunity to create a new interface. All jurisdictions will have their own portal, so hopefully they all can borrow good ideas to refine their interface and make it relevant and usable for their respective territory or state.