



WEST COAST OCEAN
DATA PORTAL

ACT Call – June 7, 2016

Participants



- ▶ Present: Jenn P., Sara G., Jim P., Kate S., Tanya H., Libby G.,
- ▶ Guests: Melissa Rosa (NOAA), Lucie Hazen (Stanford COS), John Hansen
- ▶ Absent: Steve Steinberg (Co-Chair), Allison Bailey (WCODP Contractor), WA DNR Rep, Navy Rep (Walt has retired, and Renee Wallis has been named successor), Nadine G.,

Agenda

- ▶ Introductions (Guests and members)
- ▶ RPB Update (John Hansen)
 - ▶ Dates for in-person meeting (Oct 26-27)
- ▶ RPB Recommendations Document (Andy Lanier)
- ▶ ACT Working Group Updates (WG Leads)
- ▶ Work Plan tasks (Andy Lanier)
- ▶ Round Table Updates (All Members)

RPB Recommendations Finalized (April 2016)



- Provides context for the WCODP to support the RPB in 2016.
- Establishes work tasks and priorities for:
 - catalog connections,
 - data synthesis
 - regional stories



Supporting Marine Planning Through the West Coast Ocean Data Portal

The West Coast Ocean Data Portal (WCODP) is a regional tool for data access and human network for data coordination. The following are recommendations to the West Coast Regional Planning Body and sub-regional teams related to the role of the WCODP in planning, regional data synthesis priorities, and priority partner data catalogs to connect to.

Background and Context

West Coast Ocean Data Portal

The WCODP¹ is a project of the West Coast Ocean Partnership (WCOP) to support regional coordination of data important to the U.S West Coast. The goals of the WCODP are:

- To increase **discovery** and access of ocean and coastal data, including participatory science and traditional ecological knowledge.
- To foster **connectivity** and coordination of data, projects, and people through networking, technology training, and capacity building.
- To **inform** West Coast ocean health management, policy, and planning priorities through data synthesis, gap analysis, and tool development.

Since 2012, the WCODP¹ has been actively developing both data resources and human networks to support these goals. The WCODP includes a discovery catalog of over 800 priority data sets from 25 data contributors, a [map viewer for data visualization](#)², and a [communication platform](#)³ to connect data managers and provide technical resources for data sharing.

West Coast Ocean Data Network

The West Coast Ocean Data Network (WCODN) is a group of data managers and users from state and federal agencies, tribes, NGOs, universities, and industry that help support and guide the progress of the WCODP⁴. The WCODP integrates data from across the West Coast on ocean topics such as marine debris, ocean acidification, sea level rise, and ocean energy and includes a variety of biological, human use, and physical information through a simple and efficient catalog platform. The WCODN has held three annual meetings, four training webinars, and monthly working group calls over the past three years to help guide development of the WCODP and increase data coordination across the region. Capacity building, technology training, and development of data sharing best practices have been three of the most valuable aspects of the WCODN.

¹ <http://portal.westcoastoceans.org/> ² <http://maps.westcoastoceans.org/> ³ <http://network.westcoastoceans.org/>

⁴ WCODN member entities include NOAA, BOEM, EPA, USGS, USFWS, Yurok Tribe, Quileute Nation, Washington Dept. of Natural Resources, Oregon Dept. of Land Conservation and Development, California Coastal Commission, West Coast IOOS, Southern California Coastal Water Research Project, The Nature Conservancy, and others.

WG Updates

- ▶ Outreach Working Group
 - ▶ June 1st meeting. Started outlining regional stories. Look to other examples of work products that can be used as templates for our work.
 - ▶ Begin to focus stories on specific issues within the larger topics. How recreation has changed...or the interest in desalination, or marine energy.
 - ▶ What are the foundational layers for planning?... Is that a 4th story we can tell.
 - ▶ Possible method - understanding change using videos of interviews which describe how change over time has happened.
 - ▶ Check-in on the Membership and have a new call for additional participation.
- ▶ Data Working Group
 - ▶ Met May 25 – with a focus on identifying data records from the 3 priority catalogs for inclusion in the WCODP.
 - ▶ Begin working on the tasks for the 3 regional stories, by identifying the appropriate data to include.
- ▶ Infrastructure and Technology Work Group
 - ▶ Last met in April – will meet again later this week. Looking at barriers to connecting to the catalogs. Making progress on catalog connections.
 - ▶ What technologies are being used to portray the information in an interactive story map container? MARCO, New York Information Gateway, NROC. Using Marine Planner, ESRI Storymaps, Knightlab Storymaps, CartoDB.

Working Group Check-in

Sara (OWG Lead) recommended that we have a check-in on the Membership of our working groups. This would be multi-purpose and function to confirm all lists of members are correct, and to recruit sure for additional participation.

Recruitment for new members who have particular expertise to help focus and vet the correct messages for each story example.

Action Item: Generate and publish a “Call for Action” from RPB members or their staff to provide either staff capacity or guidance in the generation of our regional ocean story products.

Catalog Connections (2016)



Input from RPB and WCODN resulted in prioritization of this list of potential resources.

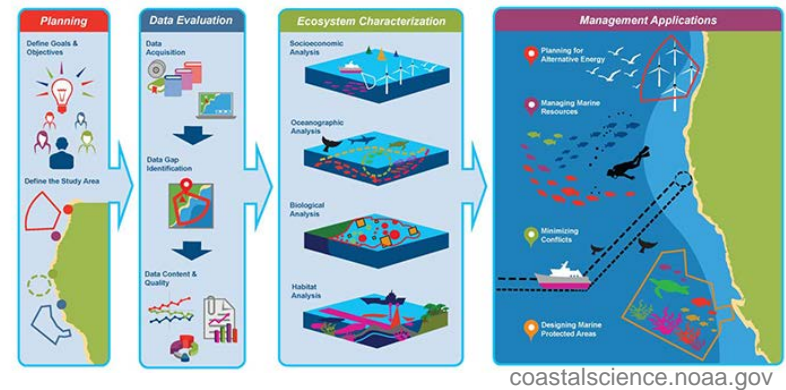
We are working on the top 3 catalogs

Data Catalog	Data represented
Washington Geospatial Clearinghouse	Includes data used in the MSP process from agencies like Dept of Ecology and Dept of Natural Resources
NOAA Fisheries Data warehouse	Regional fishery data, trawl survey and observer data for fish, invertebrates, and EFH
NCCOS Data Portal	Predictive modeling on seabird abundance, marine mammals, and fish
DataBasin	Regional data for aquatic resources, ocean acidification, and priority data from academia, USFWS, Landscape Conservation Cooperatives, and various state agencies
CetSound	NOAA branch that has developed marine mammal distribution models
PISCO	Regional tidal and sub-tidal biological data
CalOST Data Catalog	Includes some MPA monitoring data and TEK
IOOS Catalog	Regional and national oceanographic data
USGS Science Data Catalog	Data repository for USGS data
ArcGIS Online	Various regional, national, global data sets published by a variety of Network partners, including coastal hypoxic zones
NOAA Digital Coast	Regional and national bathymetry, sea level rise, and coastal economic data
NPDES Database	National EPA and Army Corps database representing permitted discharge locations (i.e. outfalls)
NOAA CORIS Database	National database of corals and sponges
OR, WA Shorezone	Coastal habitats for OR and WA
FEMA Mapping Information Platform	National database representing coastal hazards and flood zones

Regional Stories

The creation of story maps highlighting efforts along the west coast, can connect users to data sources, existing policy efforts, or opportunities for engagement.

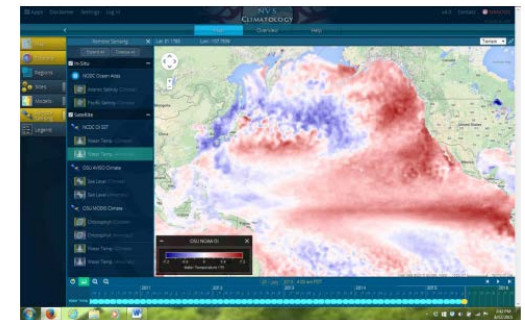
West Coast Marine Planning



Changing Ocean Uses



Changing Ocean Conditions



Regional Data Synthesis

Based on current resources in the WCODP catalog (summary below), existing data development work of our partners, previously identified data priorities, and an initial inventory of existing catalogs, the WCODN has identified the following as high priority data gaps for informing planning.

Existing Data *	Data Gaps
Marine Mammal Distribution	FOR DEVELOPMENT
Kelp and Seagrasses	Proposed and Planned Aquaculture, Desalination, Energy, Shipping, Development/Transportation Projects
Fishing Effort	
Renewable Energy Leases	FOR FUTURE WORK
Military Training Areas	Coastal Access
Shipping Lanes and Vessel Traffic	Topobathy LiDAR
Outfalls and Submarine Cables	Tsunami Risk
Dredge Disposal	
Seafloor Habitats	
Ocean Currents	

*Data already available through the WCODP and partner catalogs, not comprehensive.

Work Plan Tasks

Generate content and organize data sources in the WCODP to fulfill our Moore Grant deliverables.

- Regional Story Development:
https://docs.google.com/document/d/1BArfzChzsmP-q7LU5OaT0qr__qQ0lv_l4gjkxMJg40/edit?usp=sharing
- Data Worksheets for Story Map Development, new catalog connections:
<https://docs.google.com/spreadsheets/d/16yLatuoekKiP6NUiU3TESTSGnKdMvYDns3g41yLx6PY/edit?usp=sharing>

Action Item Tasks

Andy, Allison, and Sara, Jenn will work to generate call of action email(s) to get help on our story generation tasks. Friday – June 17th, is a good deadline to shoot for, as that is a RPB & WCOP Joint Conference Call.

Question was how often the portal harvests records from the sources? This is relevant for the changing ocean conditions story, and changing ocean uses. Tanya will review to see if there are any sources with special harvest rates (as compared with the regular harvest interval for our other layers).

Add service layers to the Marine Planner interface in support of the development of regional stories. A count for which records have services specified in the record can be made to understand why specific data layers are capable of being visualized on the system. Need to make sure services that are available, are added to the Marine Planner system.