State and Regional Ocean and Coastal Data Networking

Andy Lanier, OCMP
October 3, 2013, Salem, OR

Participant Motivation

- Finding, accessing, [relevant] data
- Consistent / reliable availability
- Accessible formats
- Well-documented data
- Timely, current, up-to-date data
- Legacy or historic data
- Un-adulterated data
- Contacts: people, authoritative sources

Oregon Coastal and Marine Data Network

"The purpose of the Oregon Coastal and Marine Data Network Workshop was to begin to set the stage for fostering a network of people and data.

The workshop was designed to enable individuals in agencies and other organizations who are directly engaged in coastal marine spatial planning to discuss and resolve issues related to creating a collaborative Oregon coastal and marine data network.

This network would serve the needs of the broad community of agencies, institutions, and the wider coastal and marine data user community."

Vision

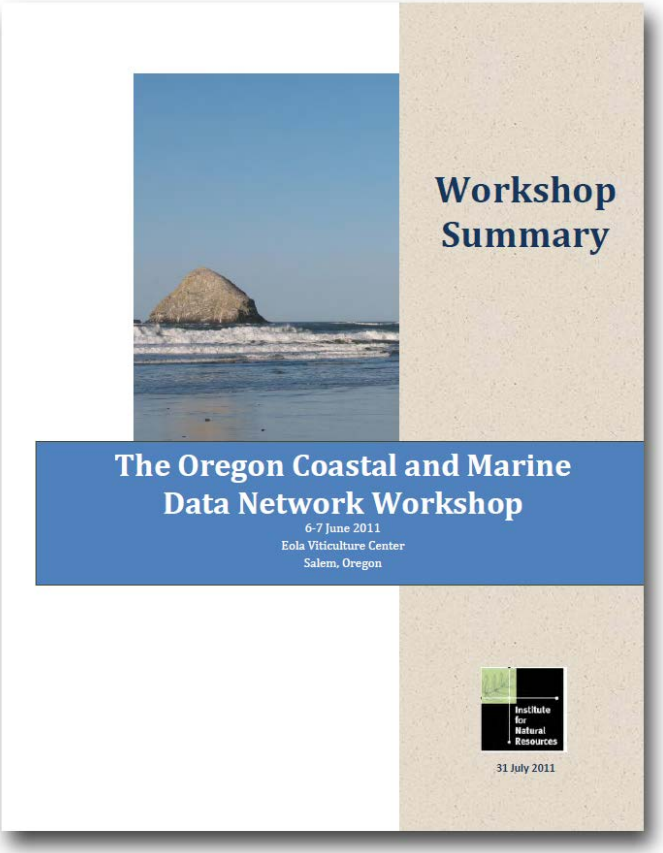
We strive to develop a thorough knowledge system for the purpose of thoughtful coastal and marine planning and research to benefit the people of Oregon and the west coast.

- Enable human network to facilitate communication, coordination, and collaboration of data managers and practitioners
- Identify authoritative data sources
- Increase accessibility of data to researchers, policy makers, and the general public.
- Facilitate the contribution and collaboration with regional and national partners.

OCMDN Meetings:

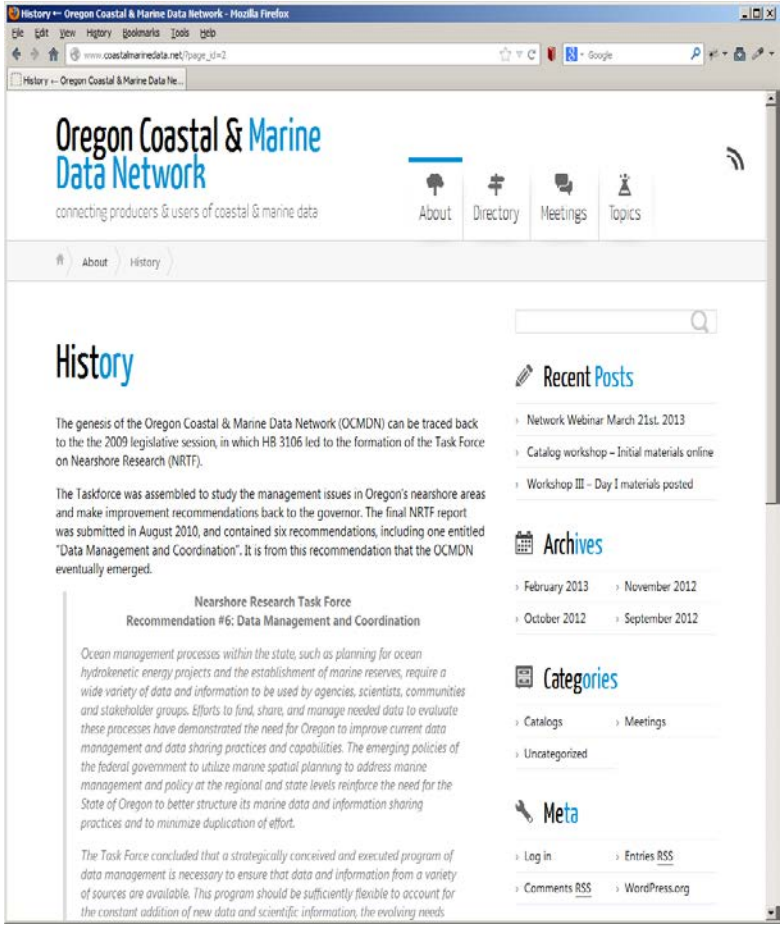
- Network Meetings:
  - Workshop I – Salem, June 2011
  - Workshop II – Salem, June 2012
  - Workshop III – Corvallis, October 2012
  - Workshop IV – Webinar, March, 2013
  - Workshop V – Corvallis, May, 2013
  - Workshop VI – Webinar, June, 2013

Participants from OR, CA, & WA representing state and federal agencies, NGOs, consulting firms, universities, and data collaboratives



An Oregon Network (FIT)

- As of December 2012, the OCMDN is now an approved framework team (FIT)
- Our aim is to support the community of producers and users of Oregon coastal and marine data to proactively address emerging data needs.



http://www.coastalmarinedata.net

Oregon Network Events

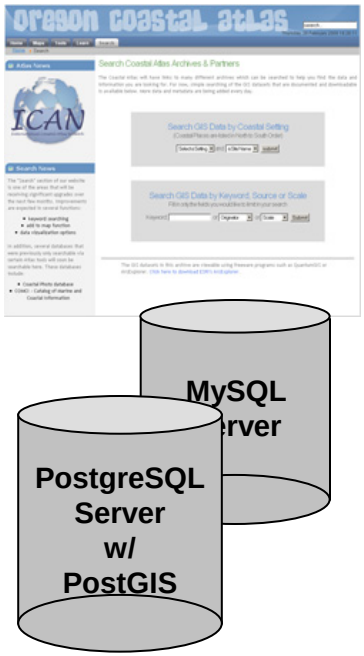
- Workshops
- Several webinars / workshops in April - June
- NOAA's National Geodetic Survey (NGS) "Continually Updated Shoreline Product"
- Training opportunities sponsored by FGDC CAP grant:
  - Intro to metadata & catalogs
  - Intro to Geoportal Server
  - Intro to pycsw
  - Intro to Oceans.Data.gov

Network Internship

- Effort to support Oregon network members with connecting to the emerging regional framework
- Intern was funded by 2012 FGDC CAP grant for outreach and training, was hosted by the Institute for Natural Resources
- Work with ODFW to connect a specific nearshore ecological data collection to the Oregon Spatial Data Library
- Work to create re-usable tutorials on how to successfully connect data sets or data collections to catalogs

Sharing the Data

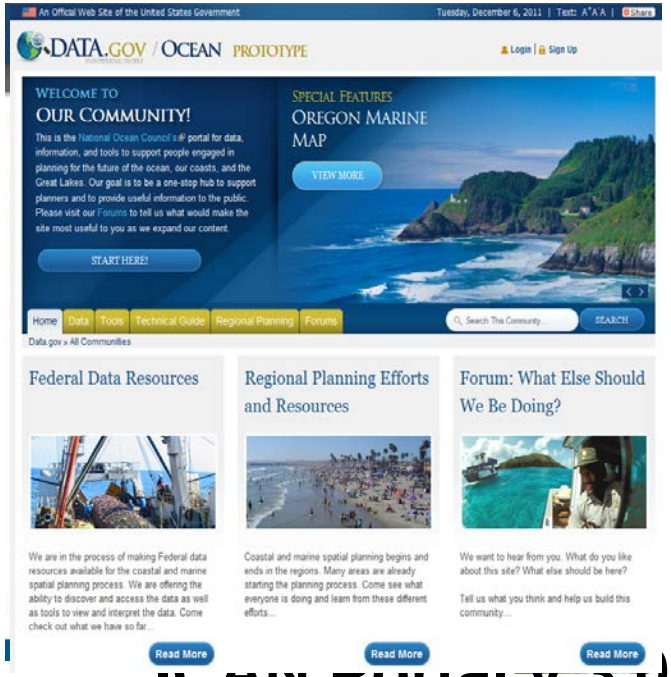
- Some users only want data (& metadata)
- Requires a catalog application to manage documented resources
- New focus on enabling services



FGDC to ISO

GeoNetwork

CSW



ICAN Portal v 3.0

Join Us!

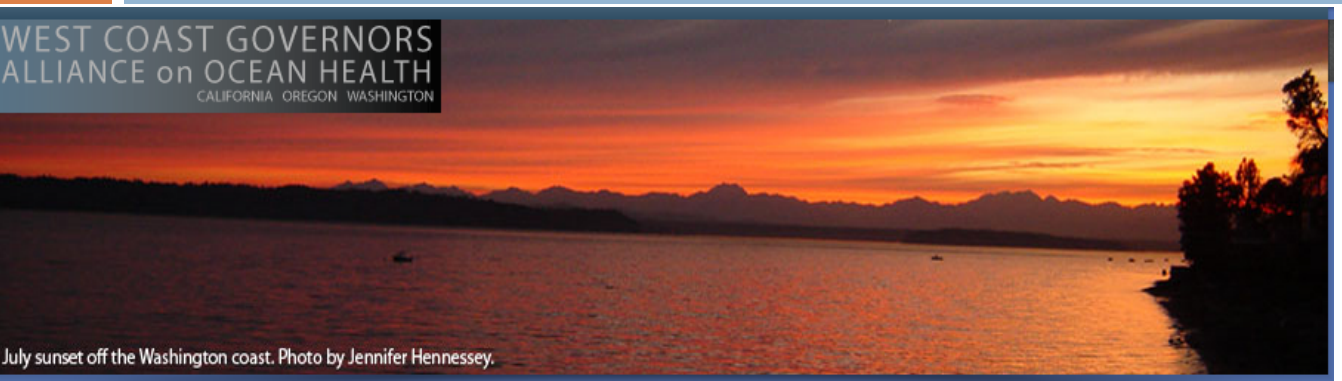
- October 31st, Corvallis Public Library
- a one day meeting, and a detailed agenda is being finalized. Highlights will include demos and progress reports for the following :
- - West Coast Ocean Data Portal (new!)
  - Oregon ShoreZone project
  - NOAA's Environmental Response Management Application (ERMA)
  - BOEM's Pacific Regional Ocean Uses Atlas (PROUA)
  - and more!

WEST COAST OCEAN DATA PORTAL

Discover • Connect • Inform

West Coast Governors Alliance

WEST COAST OCEAN DATA PORTAL



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Tsunami Marine Debris

For information about the marine debris from the March 11, 2011 tsunami in Japan, click here.

WCGA Accomplishments

Check out the executive summary of the WCGA biennial report for the most recent accomplishments.

WCGA Updates—Sign Me Up!

Please send me updates about the West Coast Governors Alliance on Ocean Health by clicking here.

Recent WCGA Action Coordination Team Accomplishments

West Coast Governors Alliance on Ocean Health

Welcome from the Governors of California, Oregon, and Washington

California Governor Edmund G Brown Jr. (left), Oregon Governor John Kitzhaber (center), and Washington Governor Christine Gregoire (right) participate in the West Coast Governors Alliance on Ocean Health to address critical ocean and coastal protection management issues facing all three states.

Our oceans are home to a great diversity of marine life and clean beaches, and oceans are vital to West Coast fishing communities, recreation and tourism. We know that isolated local efforts cannot adequately address the breadth of degradation to our oceans. By cooperating, our three states will combine our resources and influence to make a real difference in the fight to clean and protect the oceans.

- Governor Gregoire

Oceans in the News

West Coast

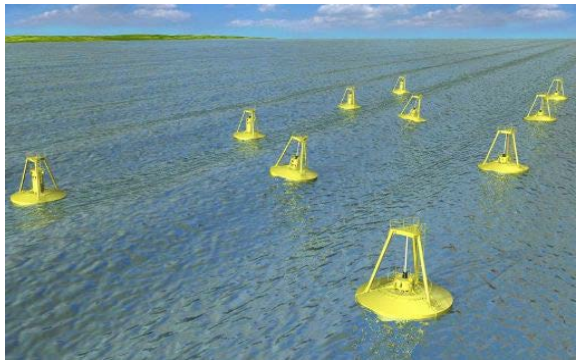
NR_Cabinet_SLR_05....docx | NR_Cabinet_SLR_05....docx

Regional Data Framework ACT

West Coast Action Teams Need:

- Better access to regional data;
- Ability to share data with experts and stakeholders;
- Ability to visualize and map data;
- Improved data management ...

To address priority ocean issues…

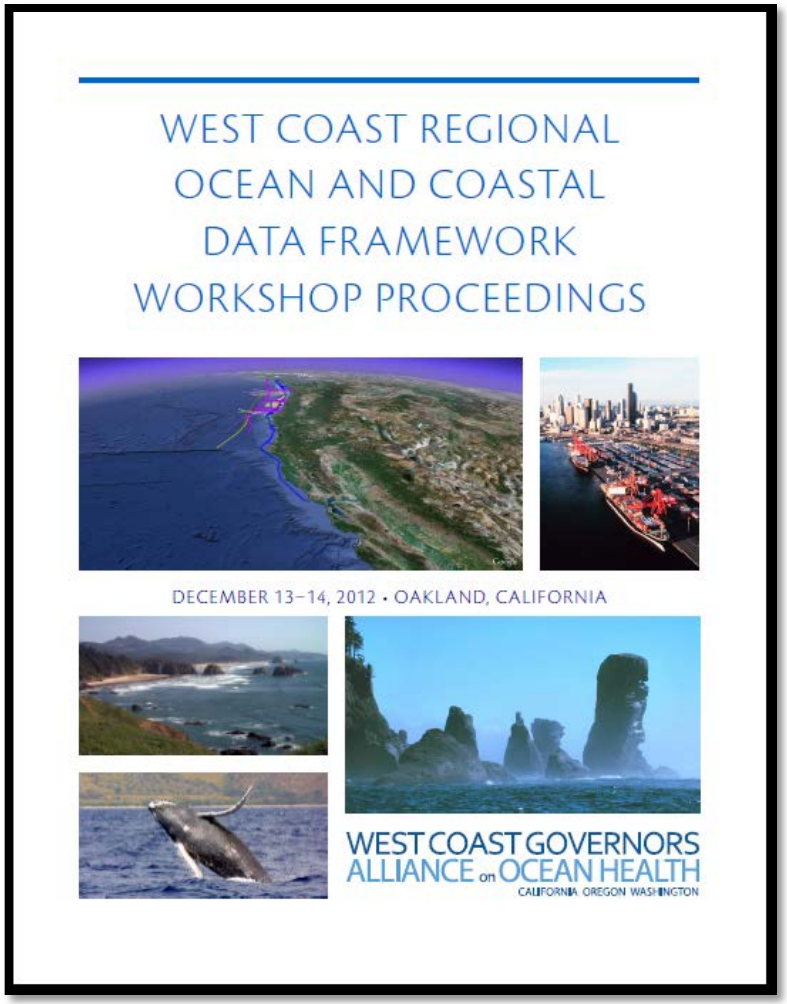


RDF Work Plan

Mission Statement

•Increase the efficiency of coastal and marine geospatial data discovery to support West Coast ocean health.

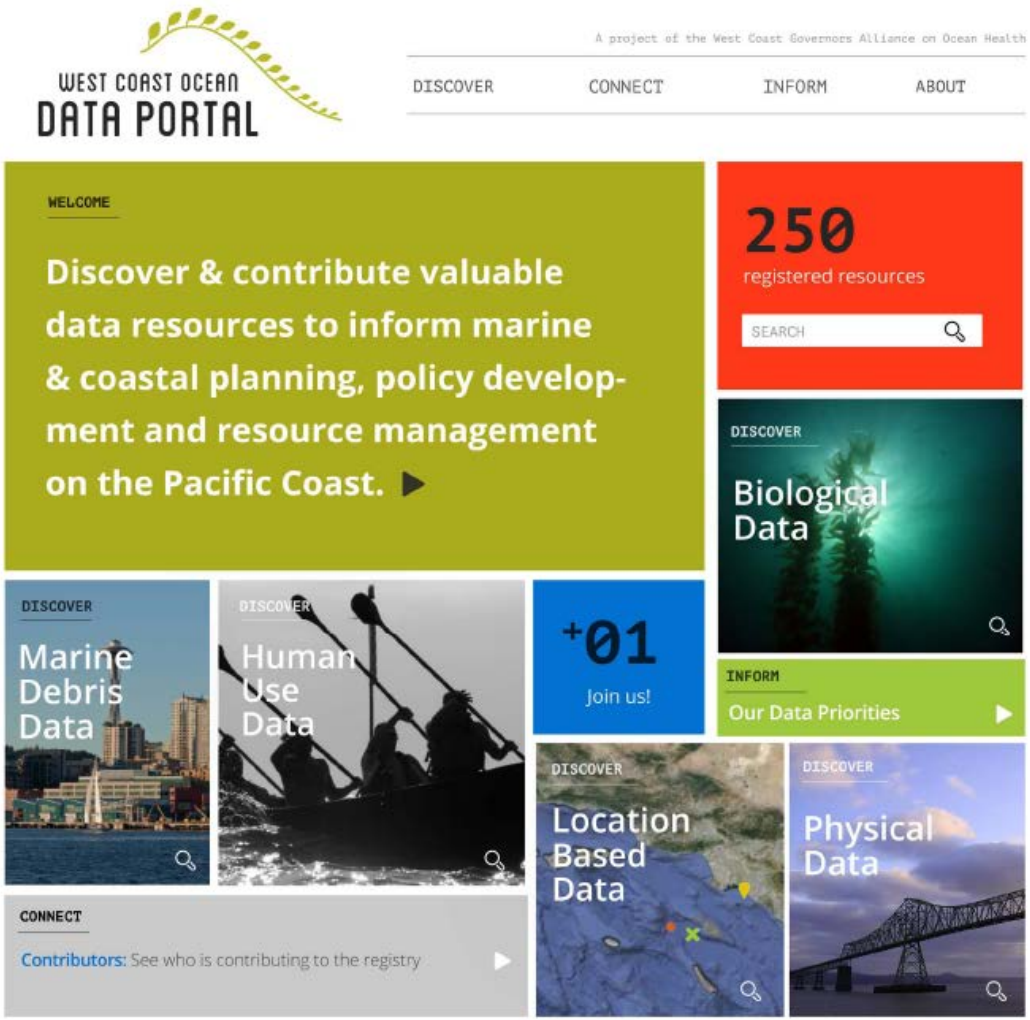
•Provide a single point of access for the data, decision-support tools, and human resources relevant to regional ocean and coastal management issues.



Helping Stakeholders Discover Ocean Data

WEST COAST OCEAN DATA PORTAL

- Developing West Coast Ocean Data Registry – Data Connections
- Surveyed WCGA data users about priority needs, including states
- Harvesting priority resources from State & Regional Catalogs (CA, OR, WA, Fed)
- Launching Early Nov.



Connect Ocean Data Producers and Users

WEST COAST OCEAN DATA PORTAL

- West Coast Ocean Data Network – Human Connections
- Working Groups (you!) guide our progress
- Nov. Network Meeting
- Provide resources to Network members – Decentralized approach

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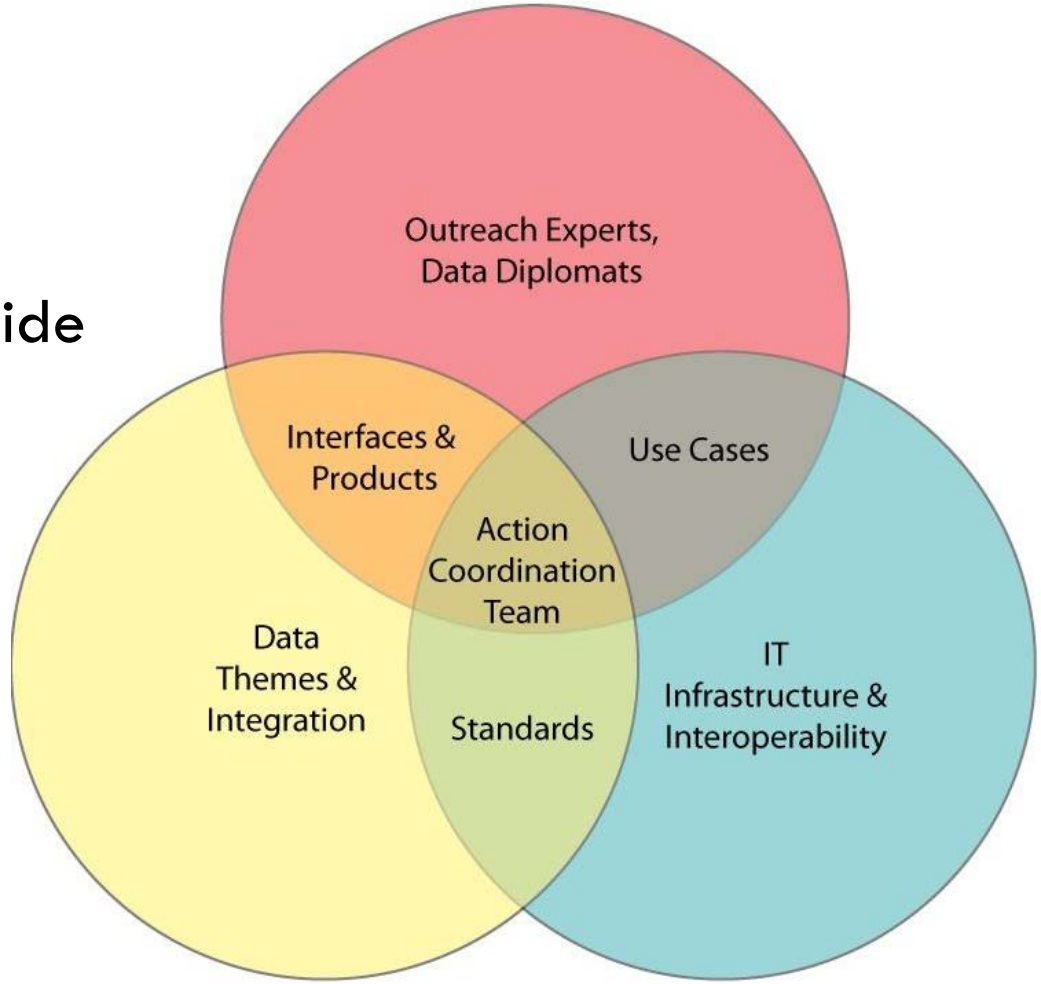
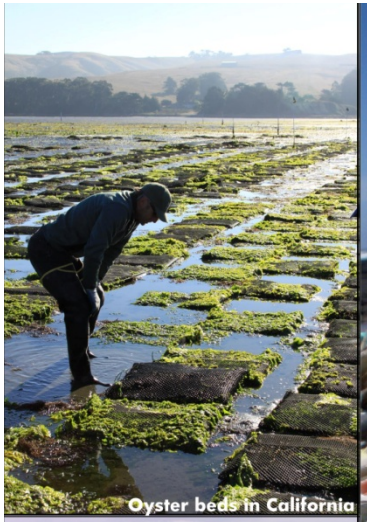


Inform Ocean Health Decisions

WEST COAST OCEAN DATA PORTAL

- Regional ocean health issues represented by WCGA ACTs
- Working with Marine Debris ACT
- Future work with SLR, OA teams – eye towards RPB


Oyster beds in California

Sea Level Rise and Coastal Hazards

Marine debris on the coast

2014 Focus Areas

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- Data Viewer/Tool development - focused on marine debris
- WCGA/IOOS Oceanographic Fellowship

- Focus on helping states/partners with metadata
- Development of communication tools for Network, strengthen relationship with tribes
- Identification of data diplomats

Data Visualization

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- Just getting started, likely completed summer next year
- Marine Debris data visualization and analysis
- Use Case approach, stakeholder driven
- Likely pull WMS/WFS from catalog, OOS, and other sources – avoid hosting data

WCGA OOS Fellowship

WEST COAST OCEAN DATA PORTAL

- MOU with the three West Coast Regional OOS offices
- Fellowship to strengthen that partnership
- Provide additional capacity and expertise to help develop more traditional GIS products from observation data
- Focused on needs on marine debris and OA communities

WEST COAST GOVERNORS ALLIANCE on OCEAN HEALTH
CALIFORNIA OREGON WASHINGTON

NANOOS

CeNCOOS

SOUTHERN CALIFORNIA COASTAL OCEAN OBSERVING SYSTEM

Opportunities for Collaboration

WEST COAST OCEAN DATA PORTAL

- Become part of the Network – help us guide progress!
- Provide input on the Marine Debris Use Case. Exciting project.
- Attend November 19-20th Data Network meeting in Costa Mesa, CA
- Register Agency/Organization data in Portal – Best Practices coming soon!

Contact

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Thanks!

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Andy Lanier,

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Tanya C. Haddad,

Plea for Data Management

"... a scholar's positive contribution is measured by the sum of the original data that he contributes. ***Hypotheses come and go, but data remain***. Theories desert us, while data defend us. They are our true resources, our real estate, and our best pedigree."

Santiago Ramon y Cajal, Nobel laureate

in *Advice for a Young Investigator*, 1916

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Public Comment