Agenda

- Background
- West Coast Ocean Data Portal
- Uses Cases and Debris Stories
- Demonstration
- Lessons Learned
Background
West Coast Governor's Alliance [WCGA].
Identify and collaborate on regional ocean health priorities.
Support the progress of domain experts.
Background

- Ocean Health Priorities
  - Data Sharing
  - Marine Debris
  - Climate Change
  - Ocean Acidification
GOAL:

To increase DISCOVERY and CONNECTIVITY of ocean and coastal data and people to better INFORM resource management, policy development, and planning on the West Coast.
West Coast Ocean Data Portal

DISCOVER • CONNECT • INFORM

Data Catalog

Network

Viewer
West Coast Ocean Data Catalog

- Increase discovery of and access to west coast geospatial data.
- Harvest metadata from existing portals.
- Catalog Service for the Web (CSW).
- Curate around priority issues of the WCGA.

portal.westcoastoceans.org
West Coast Ocean Data Network

- Connect producers and users of data.
- Provide training materials and best practices information.
- News, events, and contributor profiles.
- Community directory and forum.

network.westcoastooceans.org
West Coast Ocean Data Viewer

- Inform issues through data visualization.
- Utilize distributed web services from network partners.
- Provide human use, biological, physical data layers.

[map and interface image]

maps.westcoastoceans.org
Use Case and Debris Stories

Policy and management questions

Call to action & engagement

Data exploration & understanding
Use Case and Debris Stories

- Researchers
- Cleanup coordinator
- Cleanup volunteers
- Policy advocate
- Policy makers
- State/Federal agencies

Each deal with important issue of marine debris along our coastline and need data and tools to do their jobs more efficiently.
Policy and management questions

- Where should new cleanups be planned?
- Where should derelict gear cleanups take place?
- Are new MPAs being impacted by marine debris?
- What are the effects of debris prevention policies?
Use Case and Debris Stories

Cleanups

Data Cards

Database

Debris.westcoastooceans.org
Use Case and Debris Stories

- Map interface for viewing beach cleanup and derelict gear data.
- Filter tools to specify location, time period, and debris type.
- Pulls data from West Coast Marine Debris Database.
Use Case and Debris Stories

- Share analysis via bookmarks and web embedding.
- Printing of maps for publications.
- Highlight and encourage collection and addition of new data to the MDDB.
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Demonstration

Discover & contribute valuable data resources to inform ocean planning, policy development and resource management on the West Coast.

Marine Debris Data
- View marine debris intensity and distribution.
- Discover marine debris data sets.

Human Use Data

Contributors: see who is contributing to the registry.

Biological Data

Physical Data
Demonstration
Welcome to the West Coast Ocean Data Portal. There are 562 registered resources available to discover.

Use the filtering tools provided to browse. You can filter by any combination of keyword, location, category and issue.

Browse All Resources
Demonstration
Demonstration

Discover & contribute valuable data resources to inform ocean planning, policy development and resource management on the West Coast.

Marine Debris Data
- View marine debris intensity and distribution.
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Contributors: see who is contributing to the registry.
Informing marine debris policies and decisions

Marine debris is a problem that costs West Coast states and communities millions of dollars each year in cleanup and ecosystem impacts. Cleanup groups, regulators, researchers, and decision makers need tools for easily visualizing beach cleanup and derelict fishing gear data along with other information. You can explore further by clicking the maps below and filtering by debris type, date, and location.
Demonstration
Demonstration
Demonstration
Demonstration
Demonstration
Demonstration
Demonstration
Demonstration
Engage both end users and domain experts from the beginning to understand needs.

Recognize data limitations.

Data exploration is only one use, objective to create action.

Plan for costs of administration, operations and maintenance.
Questions?

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