Product Generation and Access to Coastal Data

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NOAA National Coastal Data Development Center

GCOOS DMACC and PS Meeting
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Overview

Product Generation

*variety of products*

Data Management Tools

*that serve a function*

Planning Tools

*to address an issue*
Product Generation
Data Management Tools

Metadata Management

Data/Metadata Access
Transport
Archive
Translation
Display

Metadata Automation and Transformation

Data/Metadata Entry
Verification
Display

http://ecowatch.ncddc.noaa.gov

http://www.ncdc.noaa.gov/activities/mermaid/view

http://www.ncdc.noaa.gov/technology/metadataandxml/view

Phytoplankton Monitoring Network

Ecowatch Notification Service
Ecowatch Data Collection Service
HDF5 Repository
Ecowatch Subscription Service
Ecowatch Event Portal
Ecowatch Catalog
Customized Data Access to Assess the Earth's Ecosystems

NOAA Observing Systems

- Longline Fisheries
- Turtle bycatch

Ecosystem Research Division Data Protocol

Collection & Process

Data Streams

NOAA EcoWatch

"Customizing data access to assess Earth's ecosystems"

One of NOAA's critical objectives is to "Protect, Restore, and Manage the use of Coastal, Ocean, and Great Lake Resources through an Ecosystem Approach to Management (EARM)."

The purpose of EcoWatch is to provide a central source for access to coastal and oceanic remote sensing data and information. EcoWatch is a collection of services designed to support researchers and decision makers by providing different ways to search for and visualize data.

Research Community

Archive & Stewardship

Data Centers & Centers of Data

Protecting Living Marine Resources

Experimental Product

avoid fishing between solid black 63.57° and 65.57° lines to reduce turtle interactions

Fisheries Management

Decision Support Tools
EcoWatch – Information and Data Search

NOAA EcoWatch

Geographic Query Control

Subject Query Control

Place Filter Control

Topic Filter Control

default response detail

query expression:

query selections: Gulf of Mexico AND North Gulf of Mexico AND Ocean Color AND Chlorophyll
place filters: none
topic filters: Chlorophyll
media category filter: none
media format filters: none

Showing 7 item(s).

- 7 Day (Latest Pixel Composite) of Chlorophyll Concentration in the Gulf of Mexico
- Gulf of Mexico Integrated Science Data Information Management System
- Sea surface temperature and history derived from an analysis of MODIS Level 3 data for the Mississippi B...
EcoWatch – Data Search

Table of data: STDMET

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Tools to Support Programs and Initiatives

Integrated Ocean Observing Systems
Integrated Ecosystem Assessments

Integrated Ocean and Coastal Mapping
Ocean Exploration and Research
Coastal and Marine Spatial Planning
Flower Garden Banks Climatology (sst)
Flower Garden Banks Real-Time Data
Flower Garden Banks Planning Tool
Wrap-Up re: GCOOS

Product Generation

focus on customer (stakeholder) needs

Data Management Tools

what tools are needed to serve IOOS functions
how can the tools/services be connected in a workflow

Planning Tools

consider level of effort vs benefit (often unplanned benefits)
easily extensible to address the next issue
Questions?

Contact me about seeing demonstrations.