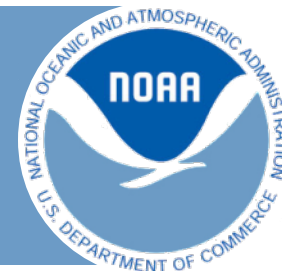




UNITED STATES DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION



NOC and NOAA CMSP Data and Tools Update

DMAC Steering Team

September 29, 2011



Discussion Topics

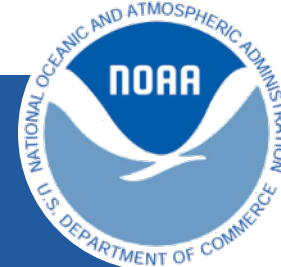
- Review National Ocean Council (NOC) efforts to develop the National Information Management System (NIMS)
- Overview of NIMS and current status
- Moving forward - challenges and opportunities



National Ocean Policy

9 Priority Objectives

- Ecosystem-Based Management
- Coastal and Marine Spatial Planning
- Inform Decisions and Improve Understanding
- Coordinate and Support
- Resiliency and Adaptation to Climate Change and Ocean Acidification
- Regional Ecosystem Protection and Restoration
- Water Quality and Sustainable Practices on Land
- Changing Conditions in the Arctic
- Ocean, Coastal, and Great Lakes Observations, Mapping, and Infrastructure



National Information Management System (NIMS)

'A robust national information management system dedicated to coastal and marine scientific data and information products is required to meet the diverse data and application requirements of CMSP, and the varying technical capabilities of users.'

- Responsive to CMSP user requirements at all levels
- Compatible with existing Federal information initiatives
- Built upon existing national data systems and resources
- Has effective governance and accountability across agencies
- 9 months to release prototype portal; no directed funding to support agency participation



Working Groups - Parallel Activities

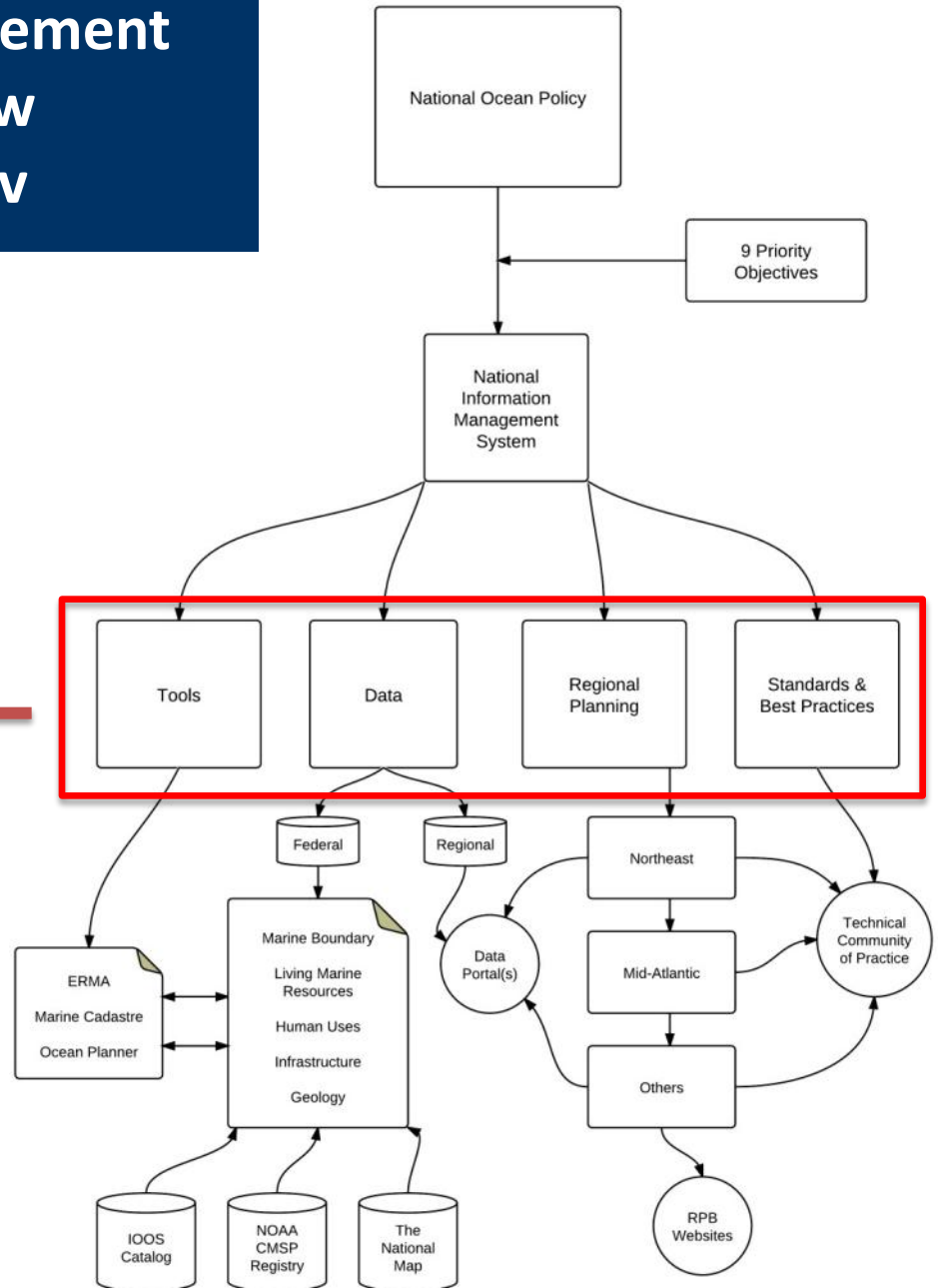
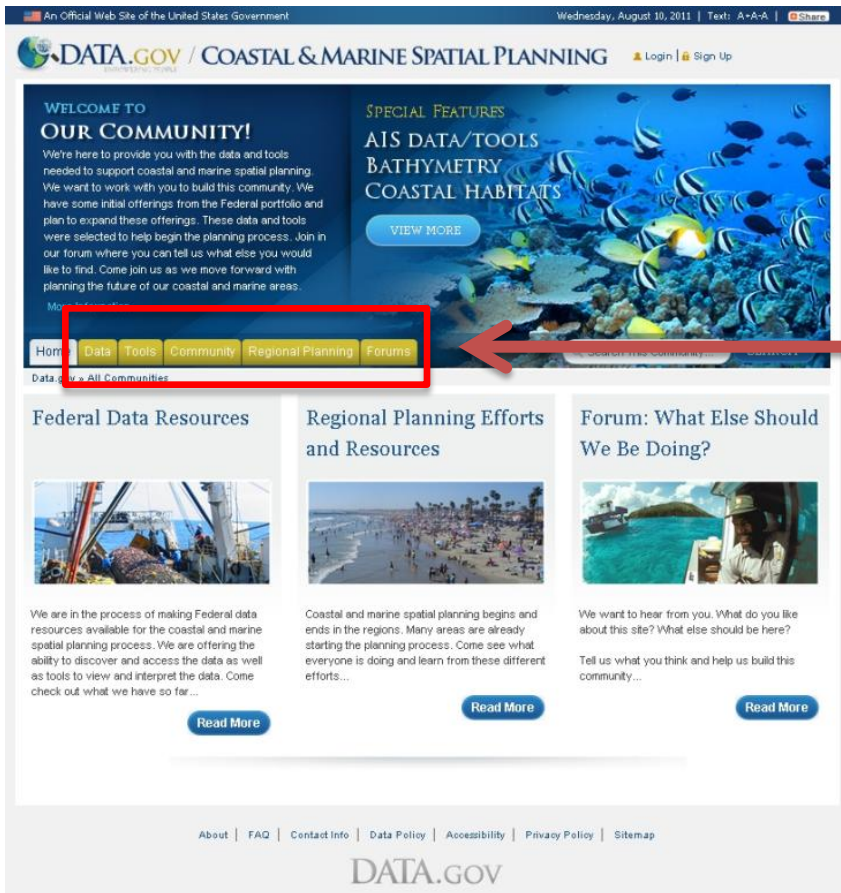
Interagency NOC Data Working Group

- Consists of 15 Federal agencies and reports to NOC Steering Committee
- Developing NIMS Prototype in partnership with GSA and Data.gov
 - Data, DST, methods, standards, visualization tools
- Identifying strategies for a collaborative approach for long-term management of the NIMS

NOAA CMSP Data and Tools Team

- 25 member team from across all NOAA line office / thematic areas
- Tasks
 - Priority Data Integration Plan
 - Data and Services Registry
 - Data Standards and Metadata
 - Analytical and Decision Support Tool Inventory
 - Regional Technical Resource (TechGuide)
- 3 members of team participate in NOC Data Working Group

National Information Management System (NIMS) Overview Community on Data.gov





Ocean/NIMS Community Status

- Impacted by FY11 budget cuts to OMB E-government program; delays in scheduling along with resource impacts
- Funding provided from DOI to (1) migrate Geospatial One-Stop to Data.gov (geo.data.gov); (2) stand-up initial instance of federal Geospatial Platform (www.geoplatform.gov); (3) develop Ocean/NIMS Community
 - GSA leading effort; contract team of REI and Esri + multiple federal agencies
- Launch date of geo.data.gov scheduled for 09/30/11
- Launch date for beta/password protected version of www.geoplatform.gov for 09/30/11 with go live date of mid-October
- Oceans/NIMS Community scheduled for soft launch on 10/14/11



Future - Challenges & Opportunities

- **Challenges**

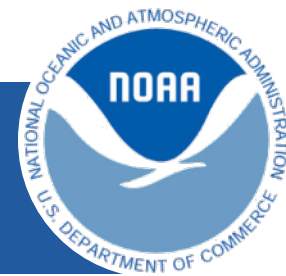
- Budget: Congressional support for CMSP in FY12 and FY13
- Technology: Aligning and then expanding NIMS, Data.gov, geo.data.gov, and www.geoplatform.gov
- Governance: Identify leadership and management regime as NOC role in NIMS lessens

- **Opportunities - CMSP and Ocean Obs Community**

- Value-added and derived products from observing systems for use in regional CMSP planning processes (e.g. NE Ocean Data Portal Offshore Wind Energy Potential Grid [DOE National Renewable Energy Laboratory])
- Development of data manipulation and decision support tools (e.g., ASA's Environmental Data Connector (EDC) and AIS Data Handler)
- 'Market' existing obs, modeling, and data access tools → UAF, ERDDAP, etc.
- Learn from DMAC ST efforts: interoperability, standards, data content models



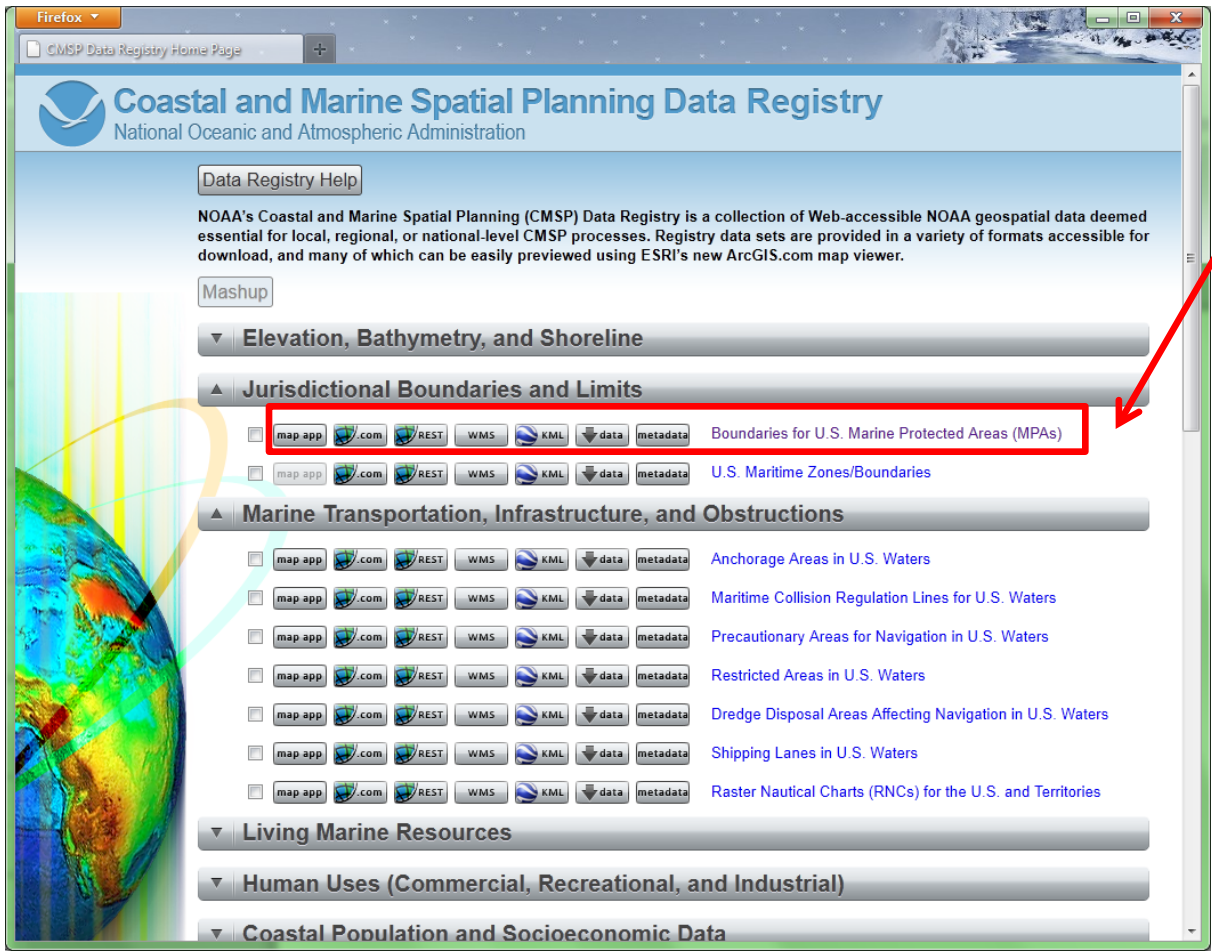
- Tony LaVoi
- NOAA OCIO and Coastal Services Center
- tony.lavoi@noaa.gov



Back-up Slides



Data and Services Registry



8 options for interacting with each dataset

- Understand (website, metadata lite, full metadata)
- Visualize (Google, Esri ArcGIS online)
- Access (services, downloads, mapping application)



www.geoplatform.gov




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Welcome to the **Geospatial Platform**


This area is reserved to provide a quick intro message plus possibly some rotating graphic shown on the right with a link to a nice webmap or application.




Featured Maps > Explore featured maps and apps from all levels of government.



Collaborate in Groups > Work in public and private groups with others who share your interests and ideas.



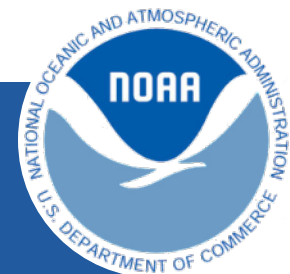
Build Your Own Map > Create a map you can view anywhere on any device and share with anyone.



About the geospatial Platform

The Geospatial Platform is envisioned as a managed portfolio of common geospatial data, services and applications contributed and administered by authoritative sources and hosted on a shared infrastructure.





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Soil Survey

