MarineCadastre.gov



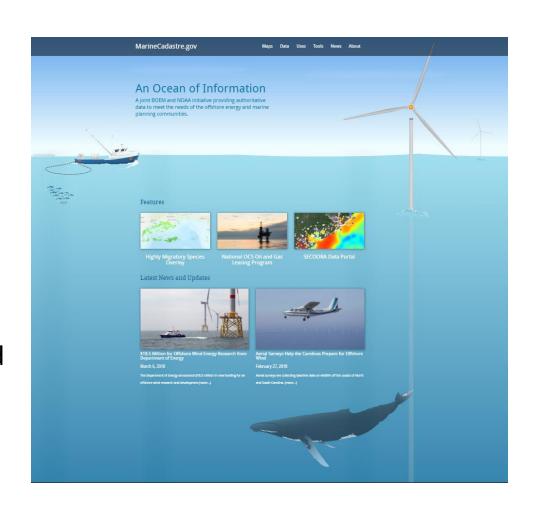
AN OCEAN OF INFORMATION





History

- Energy Policy Act of 2005, Section 388
- Initiated as a data catalog coled by the Bureau of Ocean Energy Management (BOEM) and National Oceanic and Atmospheric Administration (NOAA)
- Expanded the portfolio beyond data to map viewers, tools, and other resources for offshore planning







Coastal Zone Management Community

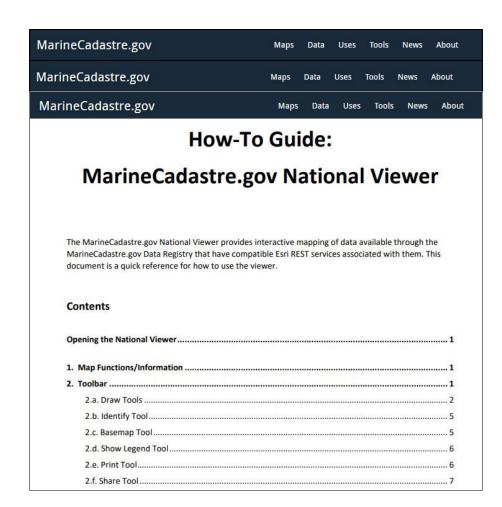
- Across all 34 state coastal zone management programs, 21 rank "planning for the use of ocean resources" as a high or medium-priority objective
- State coastal programs rely heavily on the authoritative federal data
- Spatial data, information, and analysis tools support a more effective federal consistency review at the state level





Focus Areas

- Data Access: Registry containing ~270 data sets in 11 topical areas
- Data Visualization: National Viewer and regional, thematic, and story maps
- Tools: Web-based and desktop tools for data query and analysis
- Education: user examples, case studies, and technical support materials

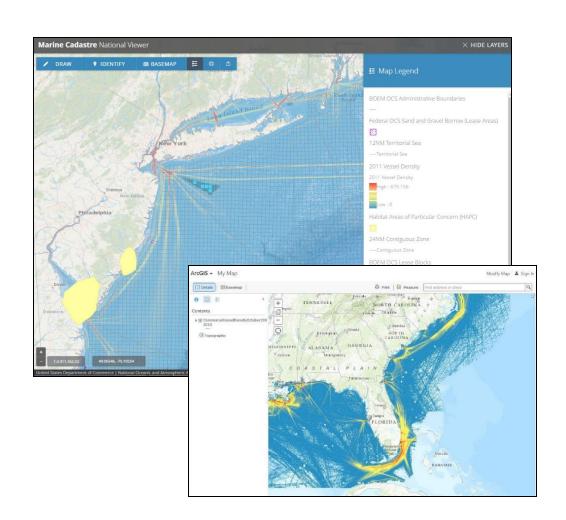






Authoritative Data

- Jurisdictions and Boundaries
- Marine Habitat
- Mammals and Turtles
- Birds and Fish
- Ocean Uses and Planning areas
- Physical and Oceanographic







Georegulation Development

georegulation – A principle, rule, or law and the geographic representation of the region(s) of applicability on the Earth



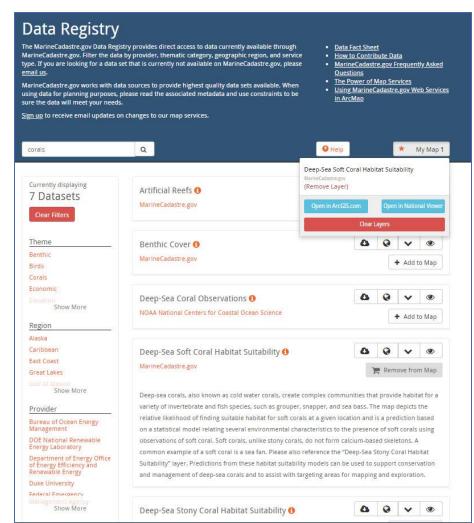
Legislative Atlas

Spatial data depicting coastal and marine regulatory framework at federal and state levels



Data Registry

- Access ~270
 downloadable data sets,
 metadata, and web
 services
- Filter by provider, theme, region, or service type
- Keyword search
- "Shop" for data and easily create a customized map

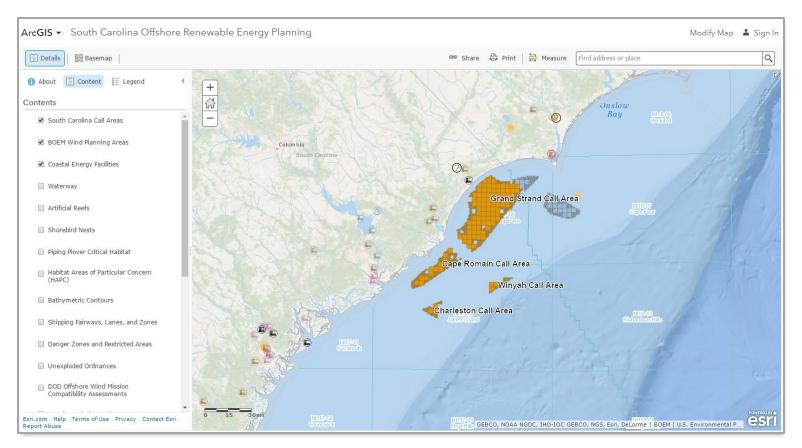






MarineCadastre.gov Viewers

Contains most of the data found in the MarineCadastre.gov data registry; provides custom tools to draw, share, and print maps.

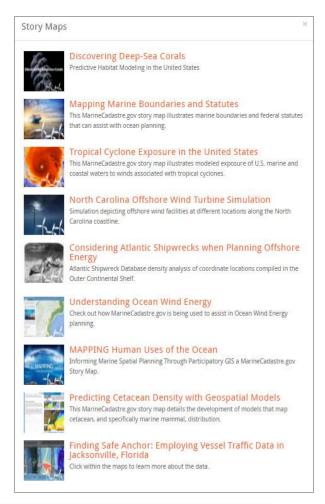


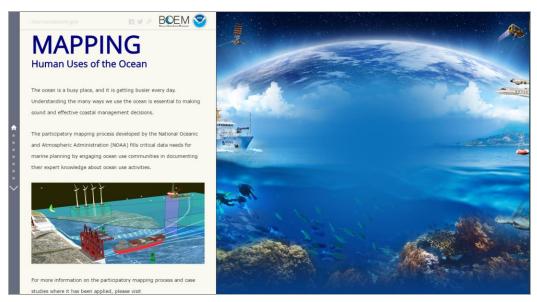




Story Maps

Interactive story maps either tell a story with the data, or explain more about how the data were created or used



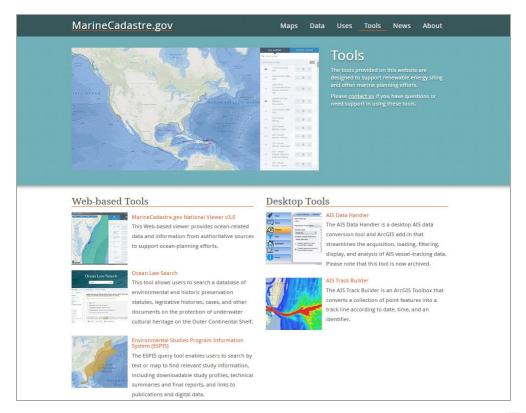






MarineCadastre.gov Tools

Custom tools created to help research, discover, process, and analyze our data offerings







Environmental Studies ProgramInformation System

- Search by text or map to find study information
- Download study profiles, technical summaries, and final reports, and find links to publications and digital data
- View and learn about 40 years of environmental studies (~2,000) and the \$1 billion spent on environmental research

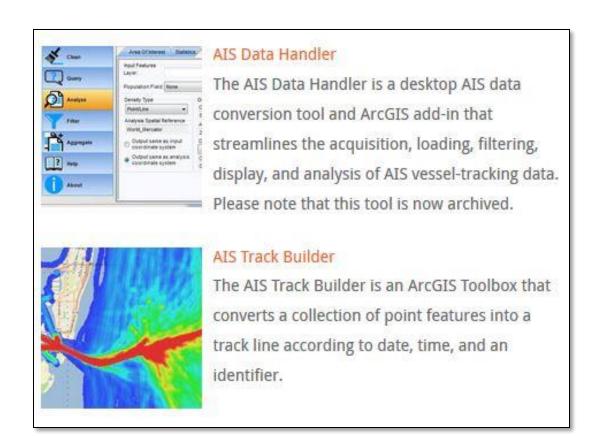






Automatic Identification System Toolkit

- Processing tools
- Filtered points
 2009 to 2014
- Derived Data Products
- Tutorials



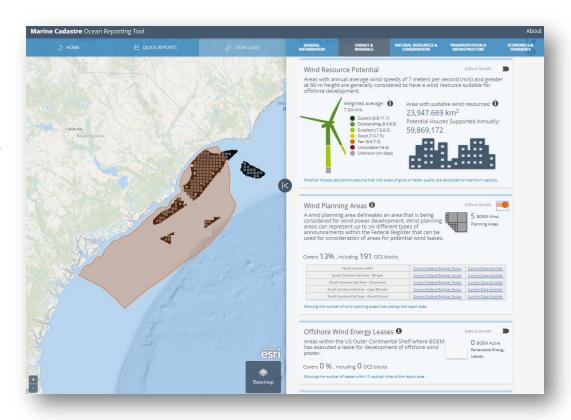




New Tool: Ocean Reporting Tool

- Audience: Nontechnical users: congressional staffers, NEPA analysts, resource managers
- Report-centric tool for non technical users
- High level statistics and infographics
- FY18 Focus:

 Mariculture
 Permitting and
 Planning

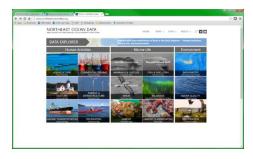


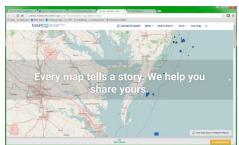




Integration With Ocean Portals

- Provide National and Federal level data that is being integrated into regional portals (up to 50% in NROC Portal)
- Allows regions to focus on locally important data
- Regional Portals rely on our team to coordinate with other federal agencies
- Sharing of lessons-learned and coordinated data development











Measuring Success: Stories from the Field



BUREAU OF OCEAN ENERGY MANAGEMEN

Future Direction

- Continued data dissemination and maintenance
- Tool development where needed Ocean Reporting
- Technical assistance and capacity building
- Continued support for regional planning efforts
- Emphasis on particular data types and issues
 - Aquaculture
 - Sediment management
 - Connection to NOAA's Blue Economy Initiative





For More Information

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