



MARCO Enhanced Mapping and Planning Portal Project

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Enhanced MARCO Portal Goals

- “Knowledge platform” One-Stop Shopping for Mid-Atlantic Ocean Planning
- Best available data, well vetted with data owners/creators, managers and stakeholders.....Common baselines..
- State of the Art User Interface and Tools
- Decision SUPPORT, not Decision MAKING
- Links and integration with diverse State and Federal data and mapping resources

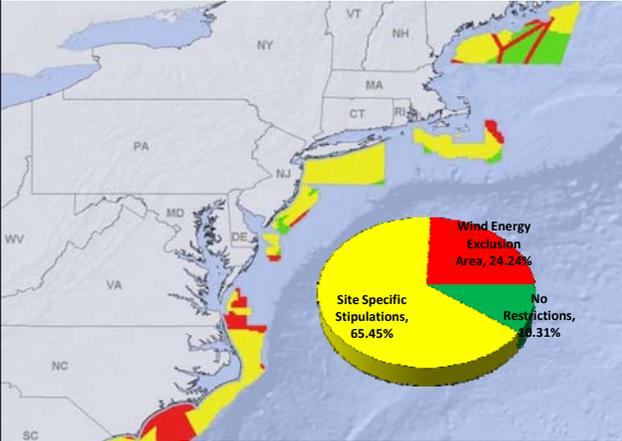


Data Types & Attributes

- Administrative: Official boundaries and areas designated by state and federal agencies for specific uses
- Human use data: e.g. commercial and recreational fishing, shipping, sand mining and energy development
- Biological data: including areas identified as ecologically significant and/or sensitive to disturbance
- Geophysical: e.g. depth, substrate, topography, wind speed
- Stakeholder relevant and vetted “Attributes” for each are key – need to be “planning-relevant” and detailed as needed to enable robust decision support .

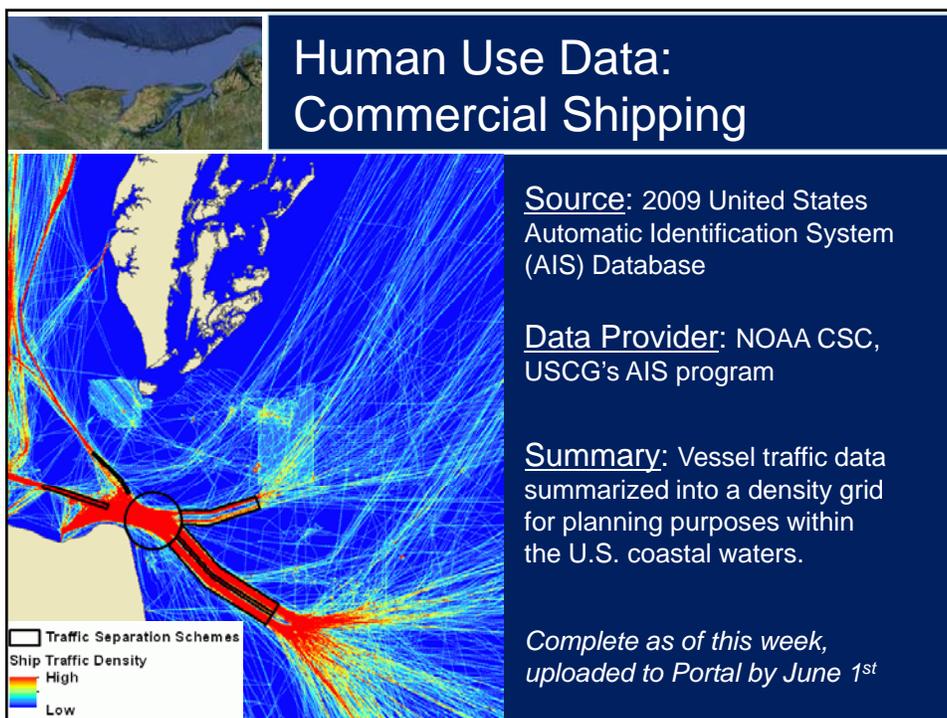
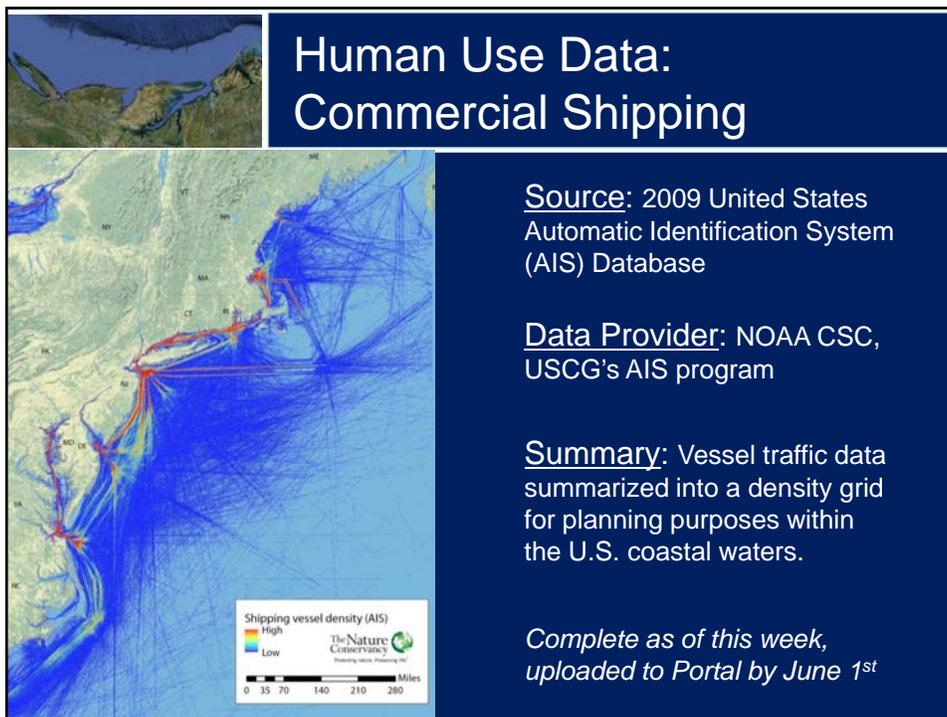


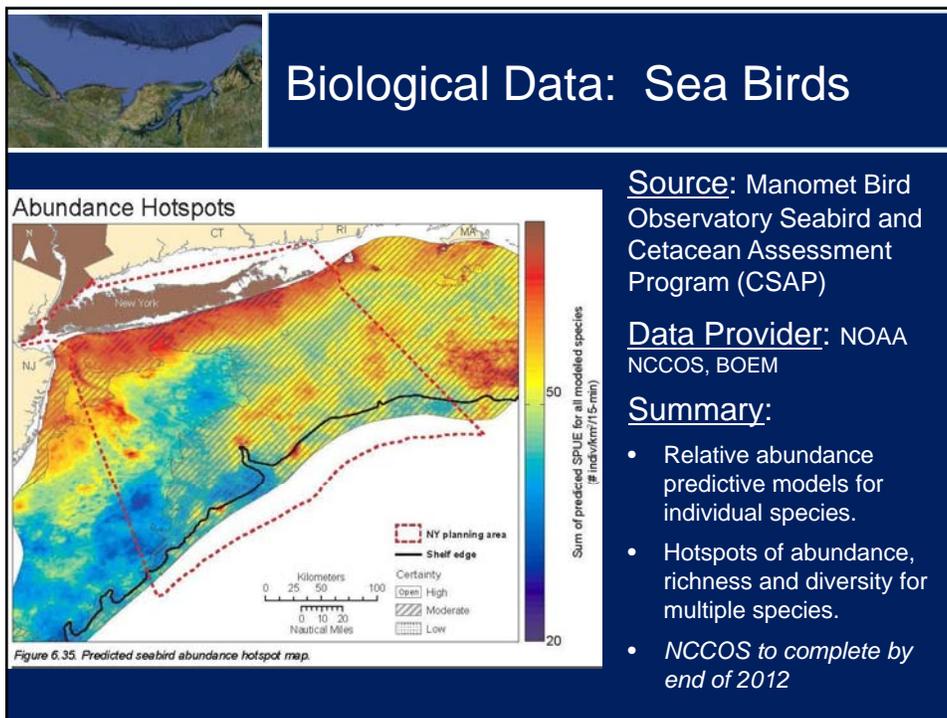
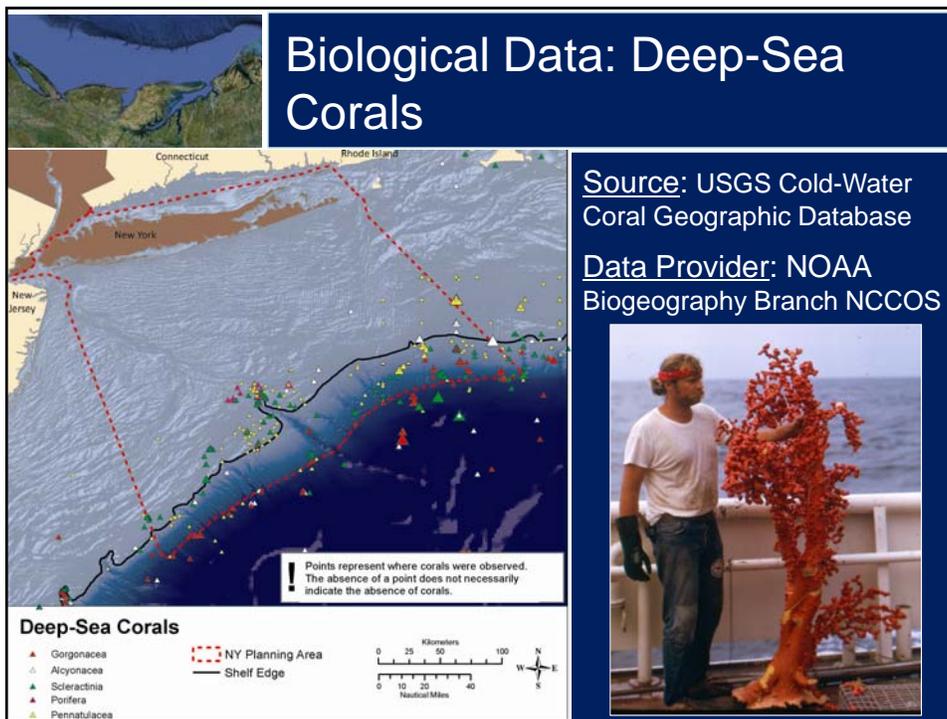
Administrative Data: DOD

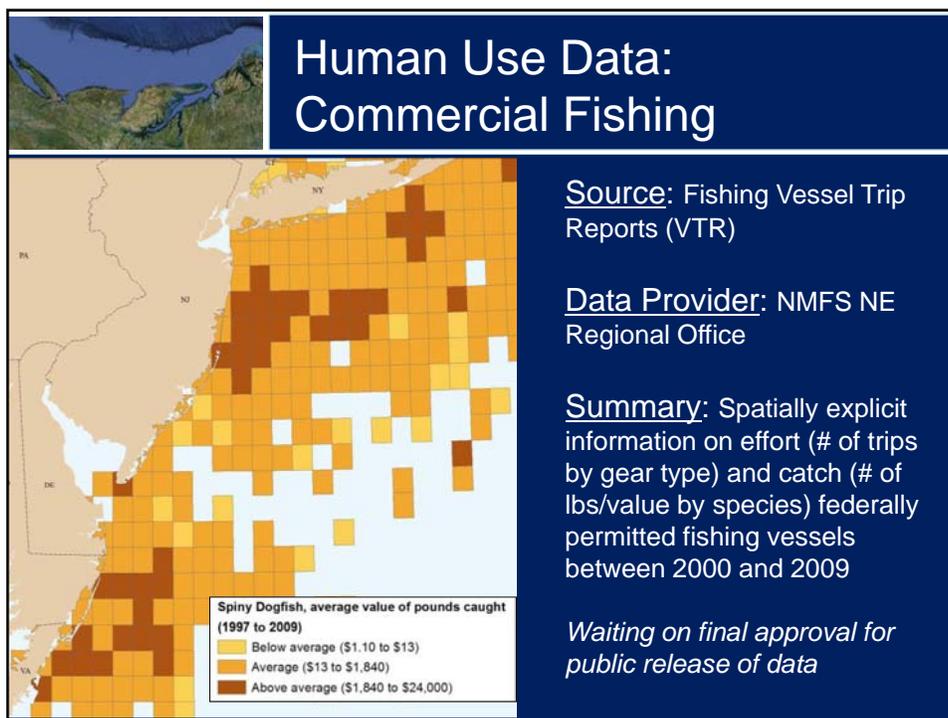
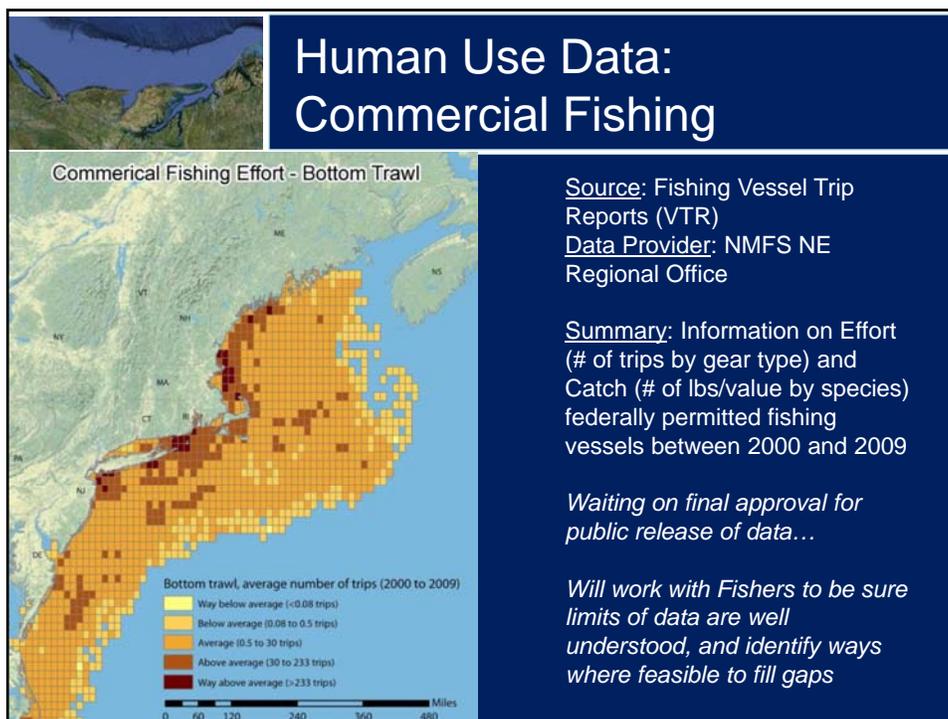


Source: DOD East Coast OCS Wind Energy Assessment
Provider: BOEM
Summary: Assessment of OCS blocks where wind excluded or allowed with site specific stipulations
In discussion with BOEM, NOAA and DOD to obtain, refine as needed.

Assessment Category	Category Type	Square Nautical Miles	Percentage of Total
CAT 1	No Restrictions	3,277.00	10.31%
CAT 2	Site Specific Stipulations	20,804.09	65.45%
CAT 3	Exclusion Area	7,705.77	24.24%
Total Sq NM Assessed		31,786.85	









Data Needs Update

Administrative

- Military, Hazard and restricted areas 

Biological

- Deep Water Corals, Locations and Predictive Model 
- Marine Mammal Migratory Pathways** 
- Coastal Bird Habitat 
- Sea Bird Predictive Distribution Model 
- Select TNC NWM ERA data 

Geophysical

- Finite Volume Coastal Ocean Model 

Human Use

- Recreational boating and fishing 
- Commercial fisheries: VMS 
- Commercial fisheries: VTR 
- Mining location** 
- NOAA Fisheries Observer Program 
- State fisheries data 
- Commercial shipping: AIS 
- Discharge points 
- Port location** 
- Energy Facilities 

Legend

Data Products Available 

Work Underway 

No Work 



The screenshot shows the MARCO Portal website in a browser window. The address bar displays <http://portal.midatlanticocean.org>. The navigation menu includes Home, About, News, Data, and Tools. A search bar is located in the top right. The main content area features a large satellite map of the Mid-Atlantic region with a central text box that reads: "MARCO Portal. Data, tools, and information to support and engage managers, planners, scientists, and stakeholders in regional ocean planning in the Mid-Atlantic." Below this is a "Launch the tool" button. At the bottom, there are three featured sections: "News" (with a beach image and a "read more" button), "Data" (with a map image and a "read more" button), and "Tools" (with a map image and a "read more" button").

MARCO Portal
http://portal.midatlanticocean.org

Home About **News** Data Tools

search

News

Home > News

Upcoming pGIS workshops

Posted May 1, 2012 by Jane Admin

Habitat-Ecosystem Workshop, Virginia Beach, VA, December 13-14 2012

[read more](#)

AIS Data

Posted April 24, 2012 by Jane Admin

Automatic Identification System (AIS) data has now been analyzed for traffic density patterns during the 2010 calendar year...

[read more](#)

Latest News

Posted April 10, 2012 by Jane Admin

The governors of Virginia, Maryland, Delaware, New Jersey, and New York just signed a historic agreement to work together to protect and conserve our ocean resources for current and future generations...

[read more](#)

State Efforts (as it relates to tools and data)

Posted April 1, 2012 by Jane Admin

Automatic Identification System (AIS) data has now been analyzed for traffic density patterns during the 2010 calendar year...

[read more](#)

[Read past news items...](#)

Archives

2012 (8)
2011 (34)
2010 (17)

Categories

News (14)
Data Updates (5)
Marine Planner Updates (24)
Fact Sheets (8)

twitter instagram facebook

@marco on twitter

new data release on marine migrations...
10 seconds ago

excited about the pGIS workshops!
1 day ago

new sector for spatial design criteria
1 day ago

MARCO Portal
http://portal.midatlanticocean.org

Home About News **Data** Tools

search

Data Catalog

Home > Data

The Mid-Atlantic Regional Council on the Ocean provides a library of data to support marine planning.



Critical Data Needs

The [Data Needs page](#) identifies some of the highest priority unmet ocean planning data needs as well as data currently under development, but not yet available for the Mid-Atlantic Region.

Other Resources

Here is a collection of other sites and services that provide data which could be useful for planning in the Mid-Atlantic region. MARCO is not responsible for the quality of this data.

State and Federal Resources

- [Integrated Ocean Observing System Data Catalog](#)
- [NOAA Digital Coast](#)
- [NOAA Online Chart Viewer](#)
- [NOAA Coastal and Marine Spatial Planning Data Registry](#)

Non-Government Resources

- [The Nature Conservancy \(Northwest Atlantic Marine Ecoregional Assessment\)](#)
- [National Ocean Economics Program](#)
- [National Center for Ecological Analysis and Synthesis Data Repository](#)
- [Ocean Biogeographic Information System](#)
- [Integrated Ocean Observing System Data Catalog](#)

MARCO Portal
<http://portal.midatlanticocean.org>

Home About News **Data** Tools

search

MARCO Data Catalog

Home > Data > MARCO Data Catalog

In order to support marine planning in the Mid-Atlantic Region, MARCO provides geographic data as downloadable files and web mapping services.

The data cover the physical, biological and social characteristics of the area.

Visit the [Data Needs page](#) to view some of the highest priority unmet ocean planning data needs as well as data currently under development, but not yet available for the

need better image for this

Administrative					
Biological					
Bird Density	WMS	KML	download	metadata	
Coldwater Coral Model	WMS	KML	download	metadata	
Important Bird Habitats	WMS	KML	download	metadata	
Marine Mammal Migration Paths	currently unavailable	WMS	KML	download	metadata
Marine Mammal & Turtle Sightings	WMS	KML	download	metadata	
Sea Bird Habitat Model	WMS	KML	download	metadata	
Geophysical					
Human Use					

MARCO Portal
<http://portal.midatlanticocean.org>

Home About News Data **Tools**

search

Tools

Home > Tools

The Mid-Atlantic Regional Council on the Ocean has developed a tool that allows state, federal, and local decision-makers and the public to visualize, query, map, and analyze ocean and coastal data in the Mid-Atlantic region.

 MARCO Marine Planner



Other Tools on the Web

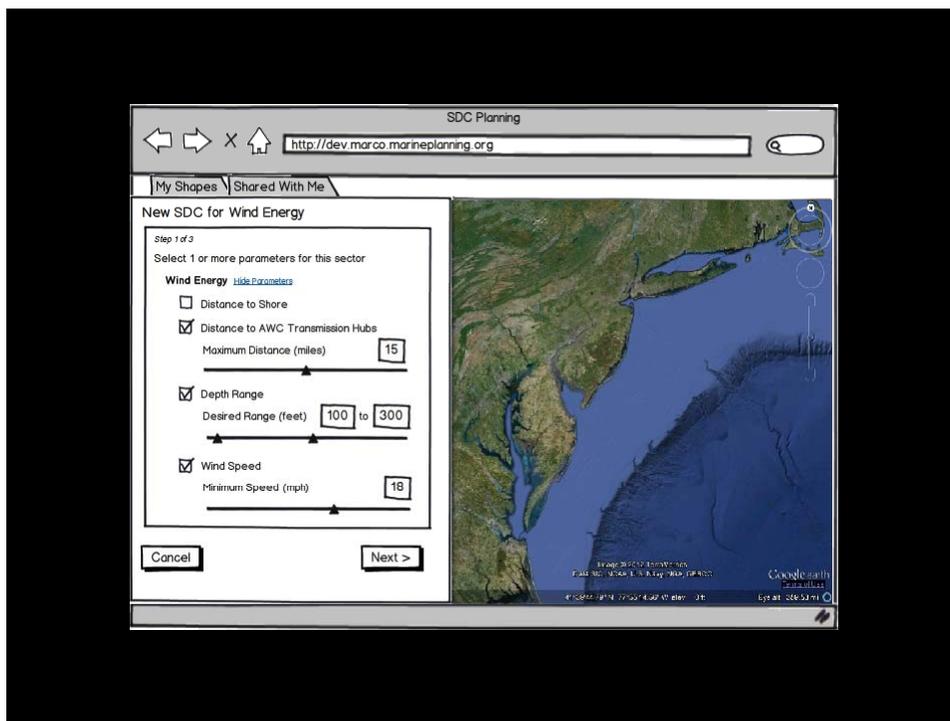
Here is a collection of other online tools which could be useful for planning in the Mid-Atlantic region.

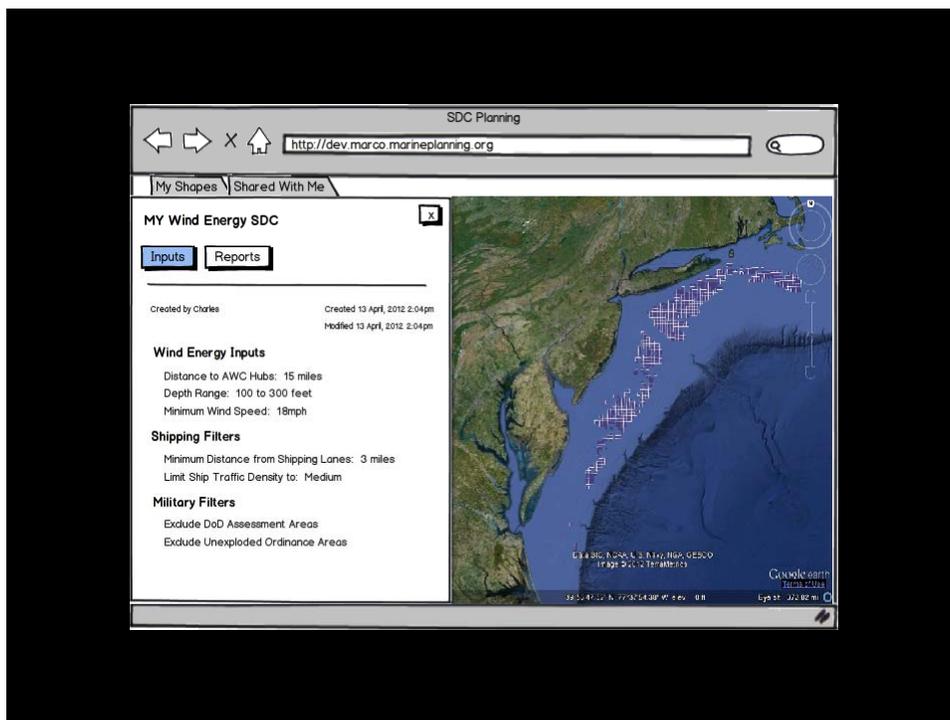
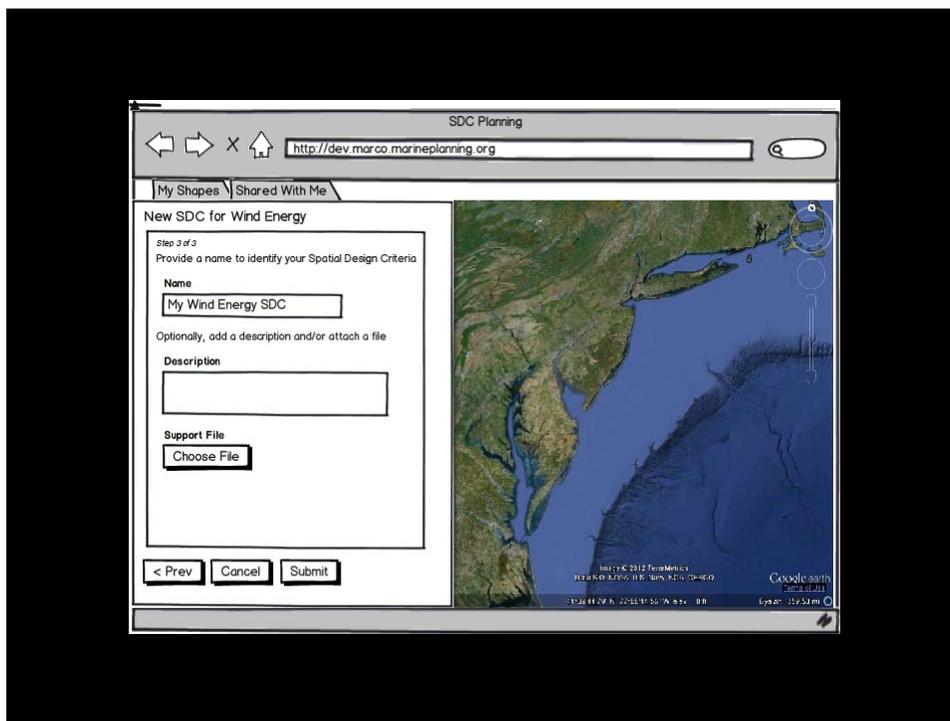
State and Federal Resources

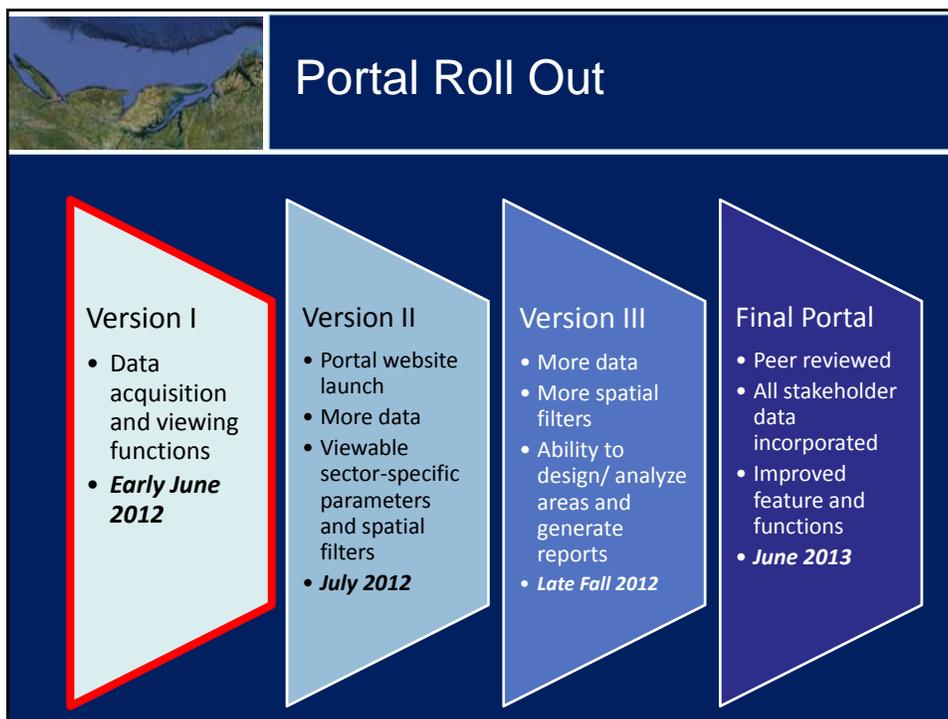
- [Virginia Coastal GEMS](#)
- [Maryland Coastal Atlas](#)
- [New York Ocean and Great Lakes Atlas](#)
- [New York State GIS Clearinghouse](#)
- [OceanData.Gov](#)
- [Multipurpose Marine Cadastre](#)

Non-Government Resources

- [Northeast Ocean Data Viewer](#)
- [Northwest Atlantic Marine Ecoregional Assessment](#)
- [Ecosystem Services Tradeoffs Modeling](#)
- [Ecosystem-Based Management Tools Network](#)







Questions and Advice?