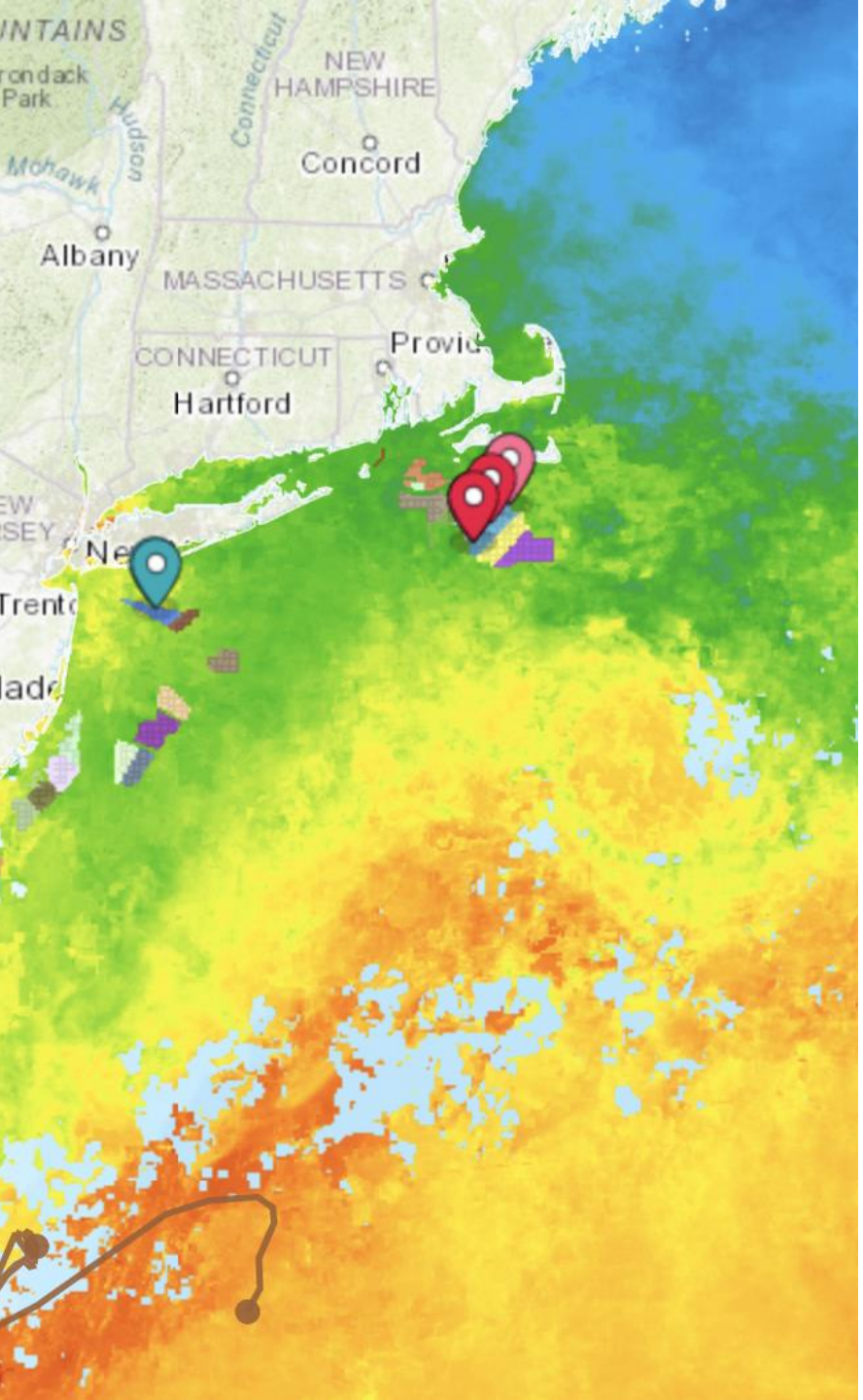


Learning from the Experts Webinar Series

Environmental Data Management and Offshore Wind

Mary Ford
Deputy Director
MARACOOS

Karl Vilacoba
Project Manager
Mid-Atlantic Ocean Data Portal

July 19, 2023

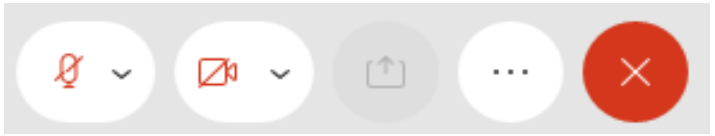
Meeting Procedures

Webinar recordings and presentations will be available at:

www.nyserda.ny.gov/osw-webinar-series

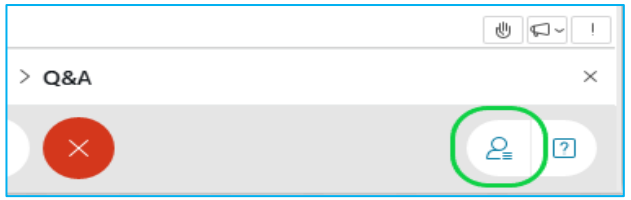
Participation for Members of the Public:

> Members of the public will be muted upon entry.



You'll see **when your microphone is muted**

> Questions and comments may be submitted in writing through the Q&A feature at any time during the event.



> If technical problems arise, please contact Sal.Graven@nyserda.ny.gov

Learning from the Experts

This webinar series is hosted by NYSERDA's offshore wind team and features experts in offshore wind technologies, development practices, and related research.

DISCLAIMER:
The views and opinions expressed in this presentation are those of the presenter and do not represent the views or opinions of NYSERDA or New York State.

NEW YORK STATE OF OPPORTUNITY. | NYSERDA

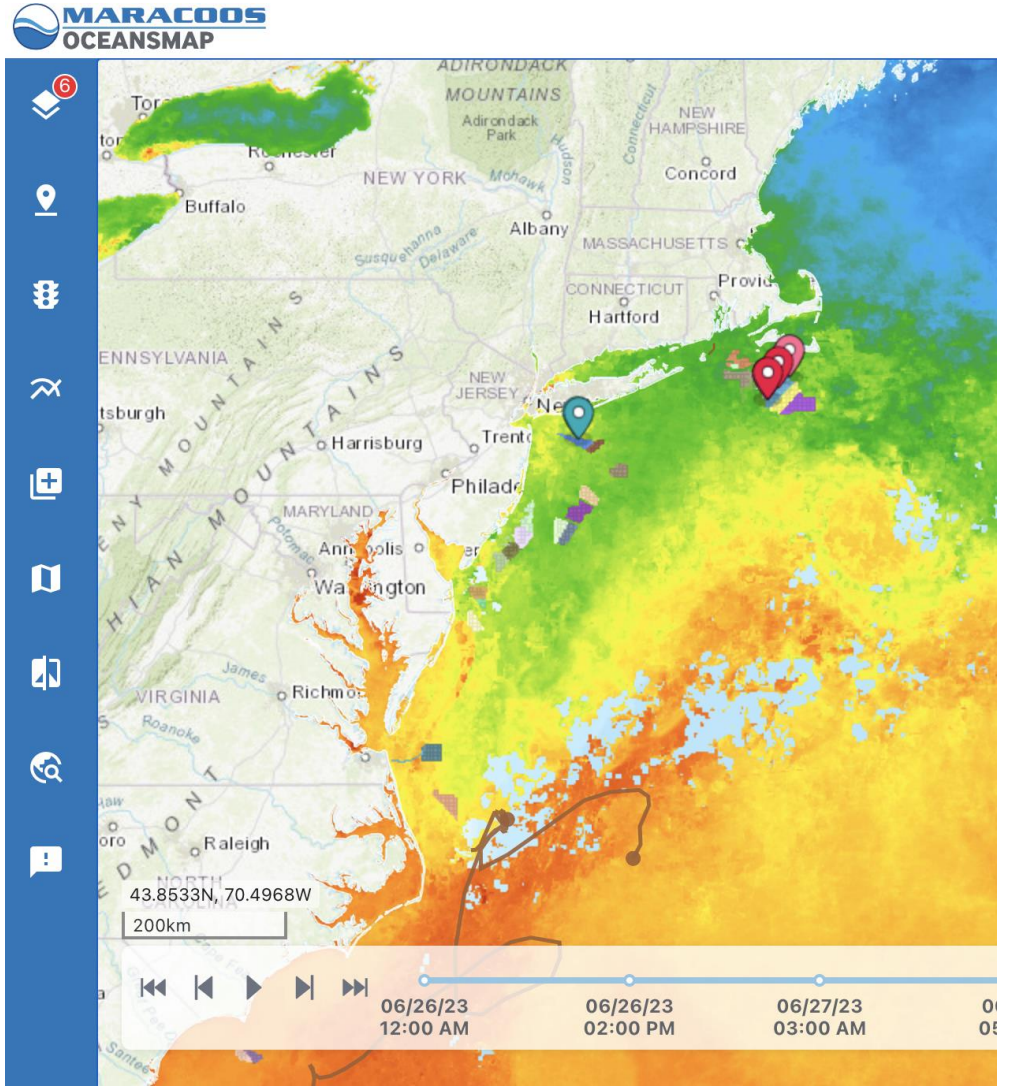
OceansMap:
A Data Ecosystem for Supporting Collaboration and Decision Making

Mary Ford, MARACOOS
Sheri Shwartz, RPS

US Integrated Ocean Observing System

- 11 Regional Associations
- 17 Federal Partners
- Regional & National Platforms
- New Blue Economy

Powering regional understanding and prediction of ocean & coastal dynamics



Data with Purpose

Maritime Safety

Energy

Fisheries & Natural Resources

Coastal Hazards

Water Quality

Certified National Network

All 11 regional associations are certified by the federal government for meeting rigorous governance and data management standards.

Why it matters?

- IOOS provides national consistency while unique and diverse regional needs
- IOOS provides ready access and preserves data with transparency and documentation
- Certification enhances efficient interagency coordination at the regional and national level

SCAN ME

• OCEANSMAP

- A Data Ecosystem for Supporting Collaboration and Decision Making

- Collaboration
- Common Operational Picture
- Oil Spill Planning & Response
- Search and Rescue
- Offshore Operations
- Mission Planning
- Protected Species Observation
- Navigation
- PFAS
- Flood Hazard Mitigation & Response
- Observation system management
- Public/Private/Hybrid

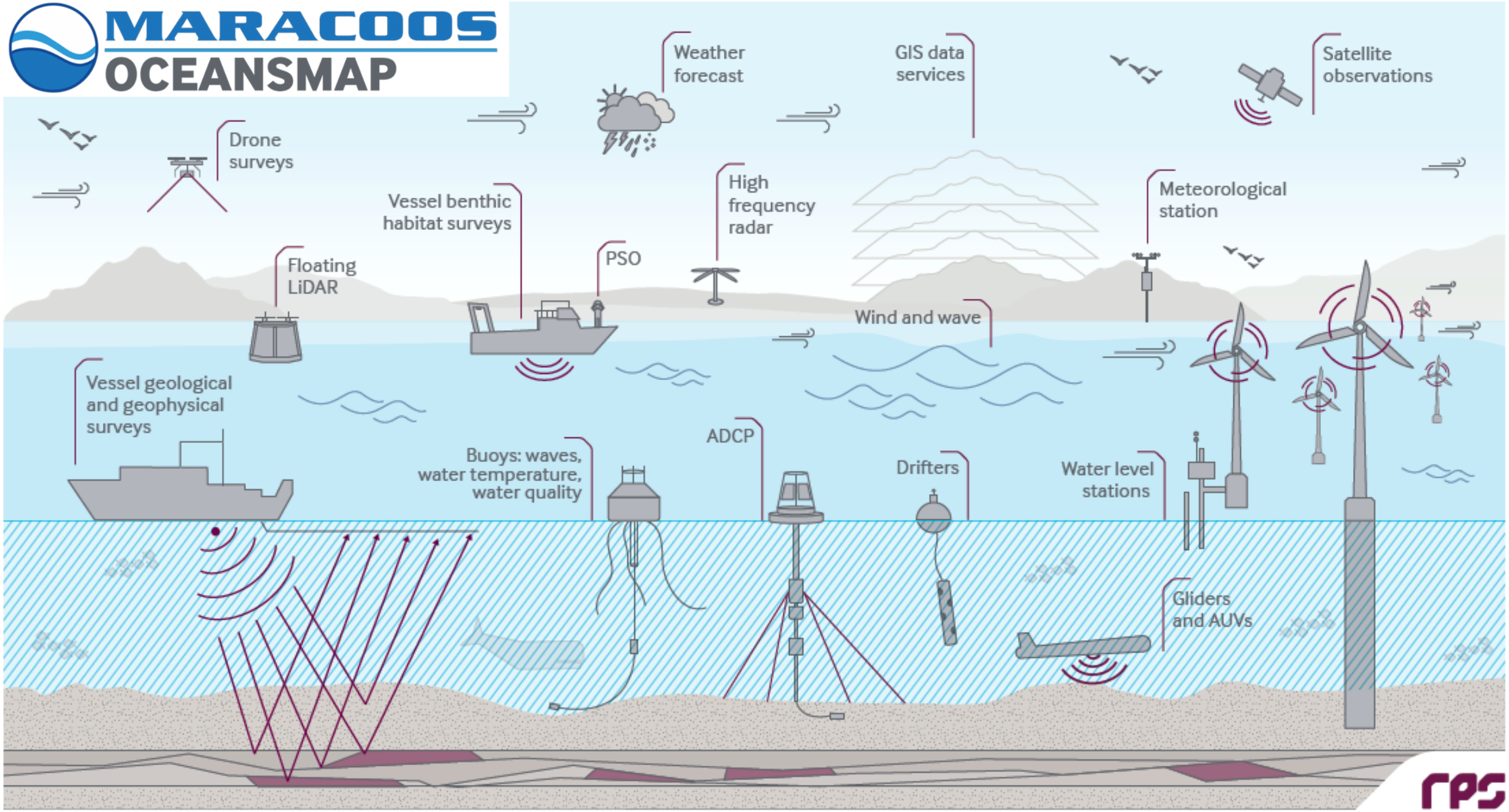
WHAT IS OCEANSMAP?

OceansMap unlocks the power of data by translating data into insight and enabling users to make informed decisions.

It is a data ecosystem; behind the UI a collection of harvesters, processors, and services brings together environmental data and forecasts from disparate sources, applies community standards, and ensures availability for visualization, analysis and decision support

Data management, maritime planning, water quality, operational response - regardless of your application, OceansMap makes met-ocean data easy.

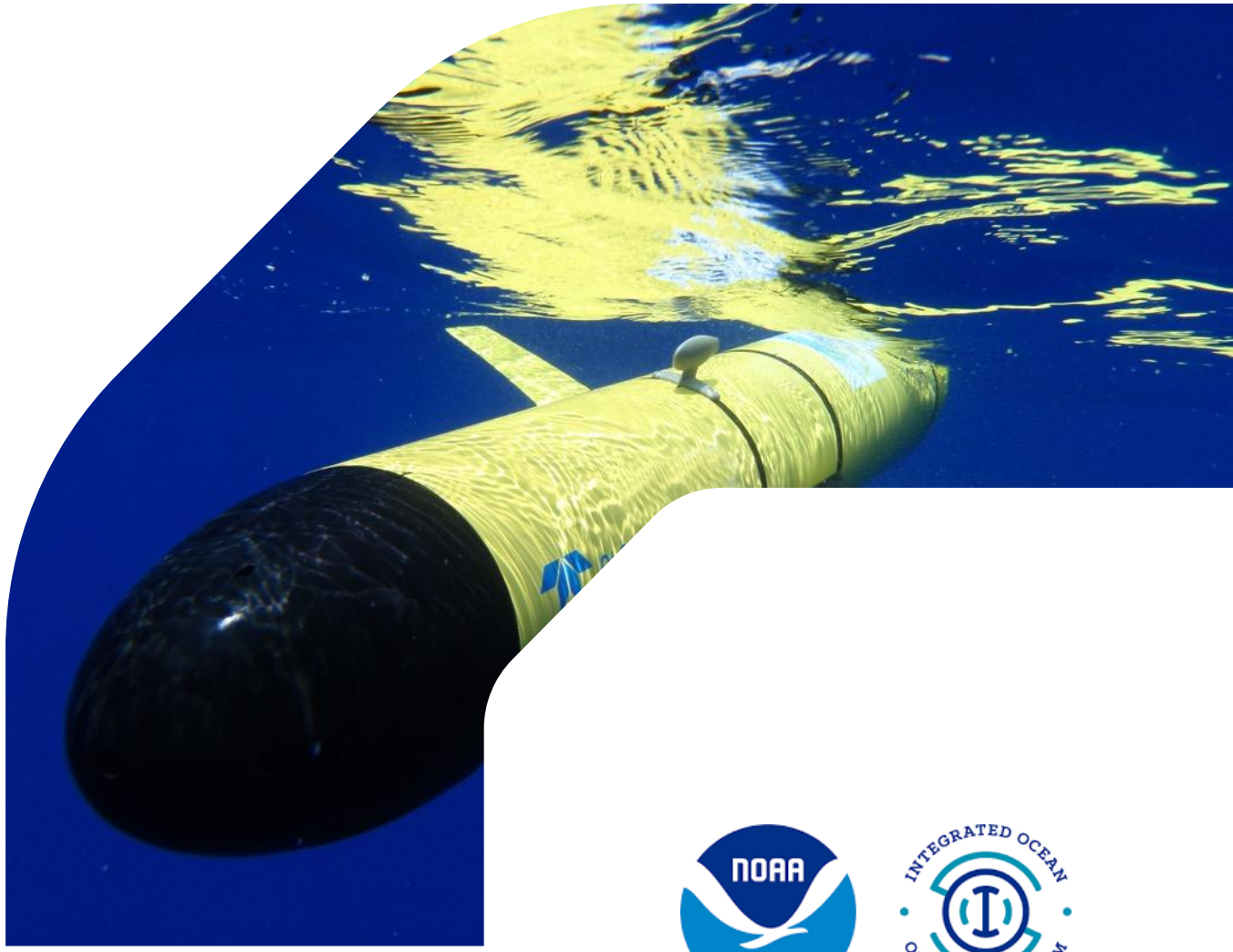
MARACOOS
OCEANSMAP



rps

Underlying Principles

- storage
- discoverability
- accessibility
- compliance
- visualization



IOOS

MARACOOS
Ocean Information for a Changing World

rps

oceansmap.maracoos.org

Mary Ford, mary@maracoos.org

MARCO Mid-Atlantic Ocean Data Portal

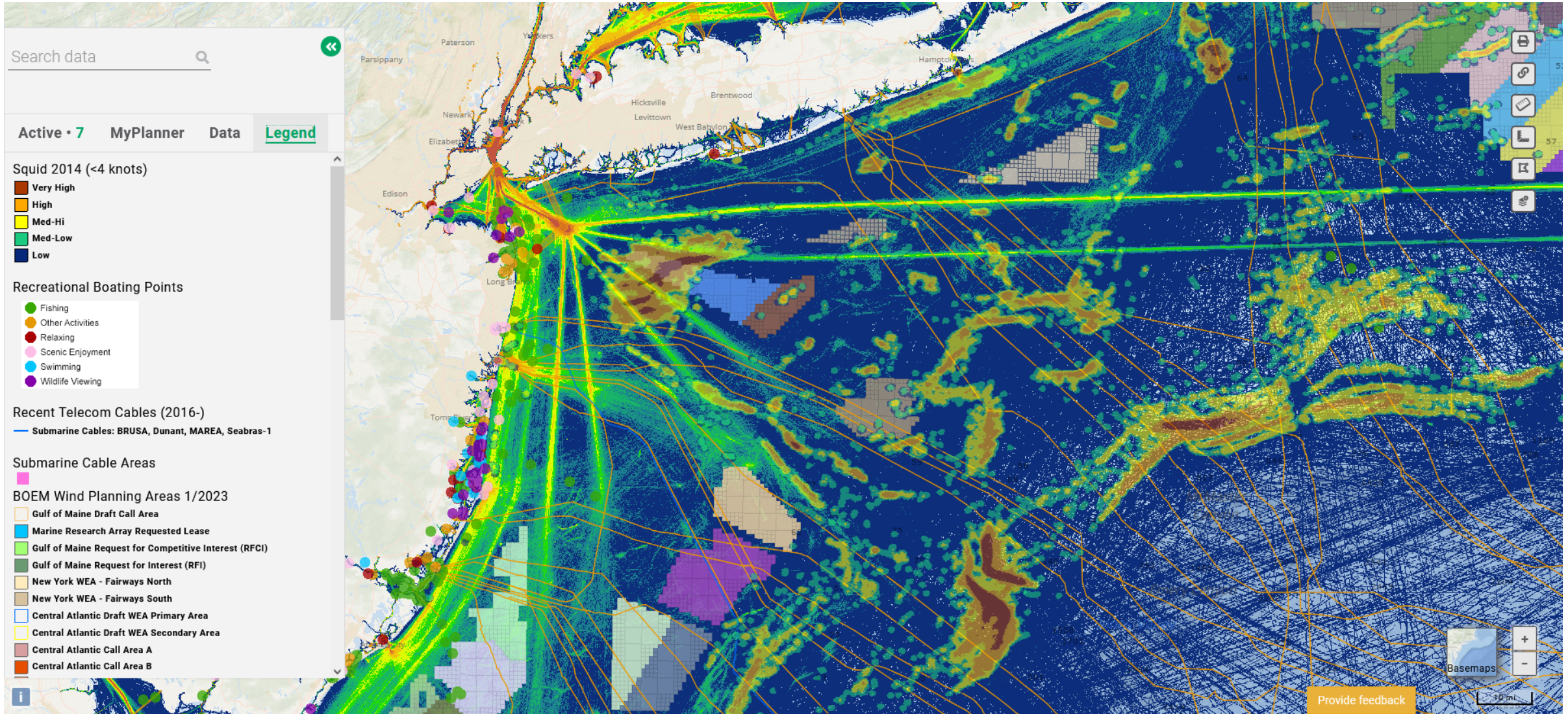
RESOURCES FOR REGIONAL OCEAN PLANNING

The Mid-Atlantic Ocean Data Portal

JULY 19, 2023

Karl Vilacoba
MARCO Portal Project Manager,
Communications Director,
Monmouth University Urban Coast Institute

The Ocean Is a Busy Place …

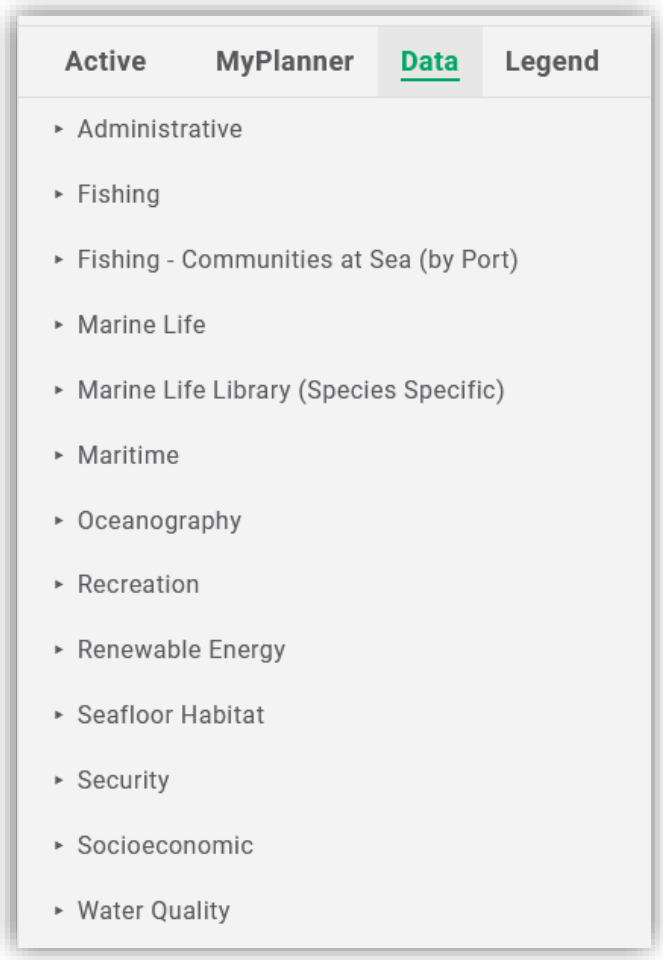


What's on the Portal?

URL: portal.midatlanticocean.org

Email: portal@midatlanticocean.org

- 6,000+ map layers organized under 13 themes; long-range data focused on ocean areas
- Tools for users to share maps and collaborate in groups
- Instructional and educational resources: Portal blog, "Ocean Stories," calendar, webinars



The Mid-Atlantic Ocean Data Portal Team

The Portal is maintained by a team consisting of the Monmouth University Urban Coast Institute, Rutgers University Center for Remote Sensing and Spatial Analysis, Duke University Geospatial Ecology Lab, and Ecotrust under the guidance of MARCO.

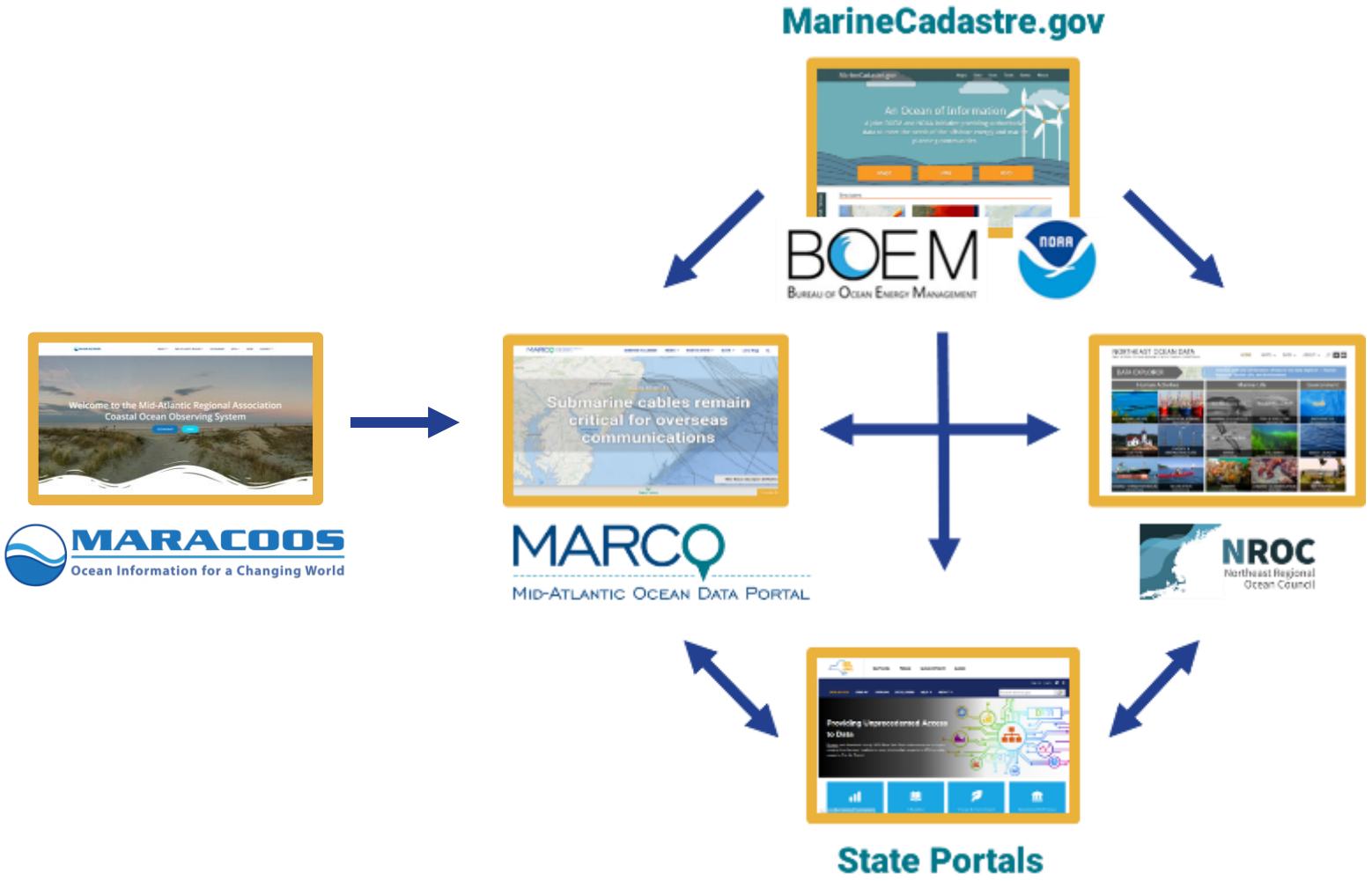
It was developed with funding from the Gordon and Betty Moore Foundation, Bureau of Ocean Energy Management, National Oceanic and Atmospheric Administration, and the states of New York and Virginia.

What Is MARCO?

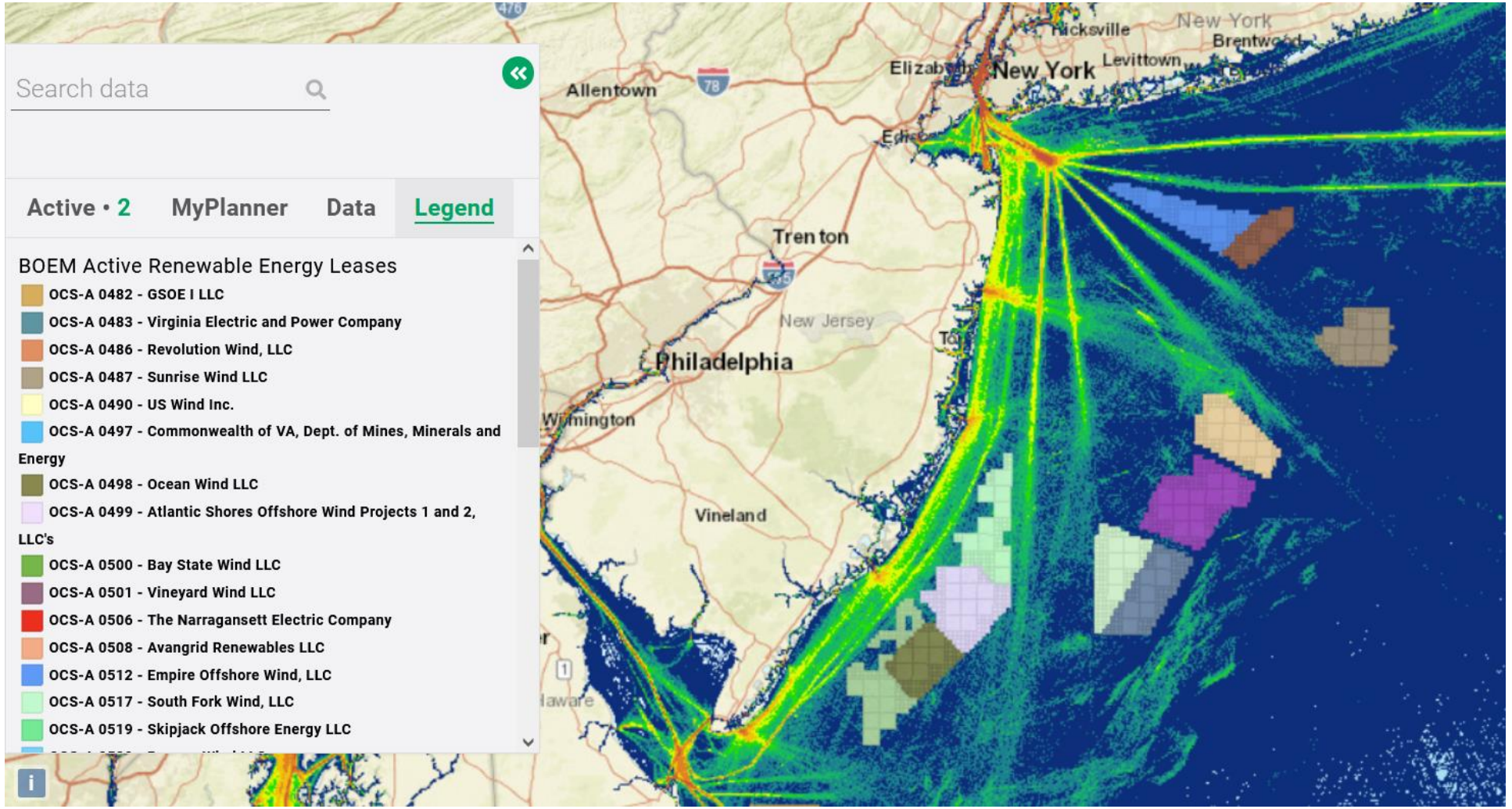
Established by the Governors of the five coastal Mid-Atlantic states in 2009, the Mid-Atlantic Regional Council on the Ocean (MARCO) is a partnership of Delaware, Maryland, New Jersey, New York, and Virginia to enhance the vitality of the region's ocean ecosystem and economy.
More: midatlanticocean.org

Current Chair:
Casey Nolan
Maryland Department of Natural Resources

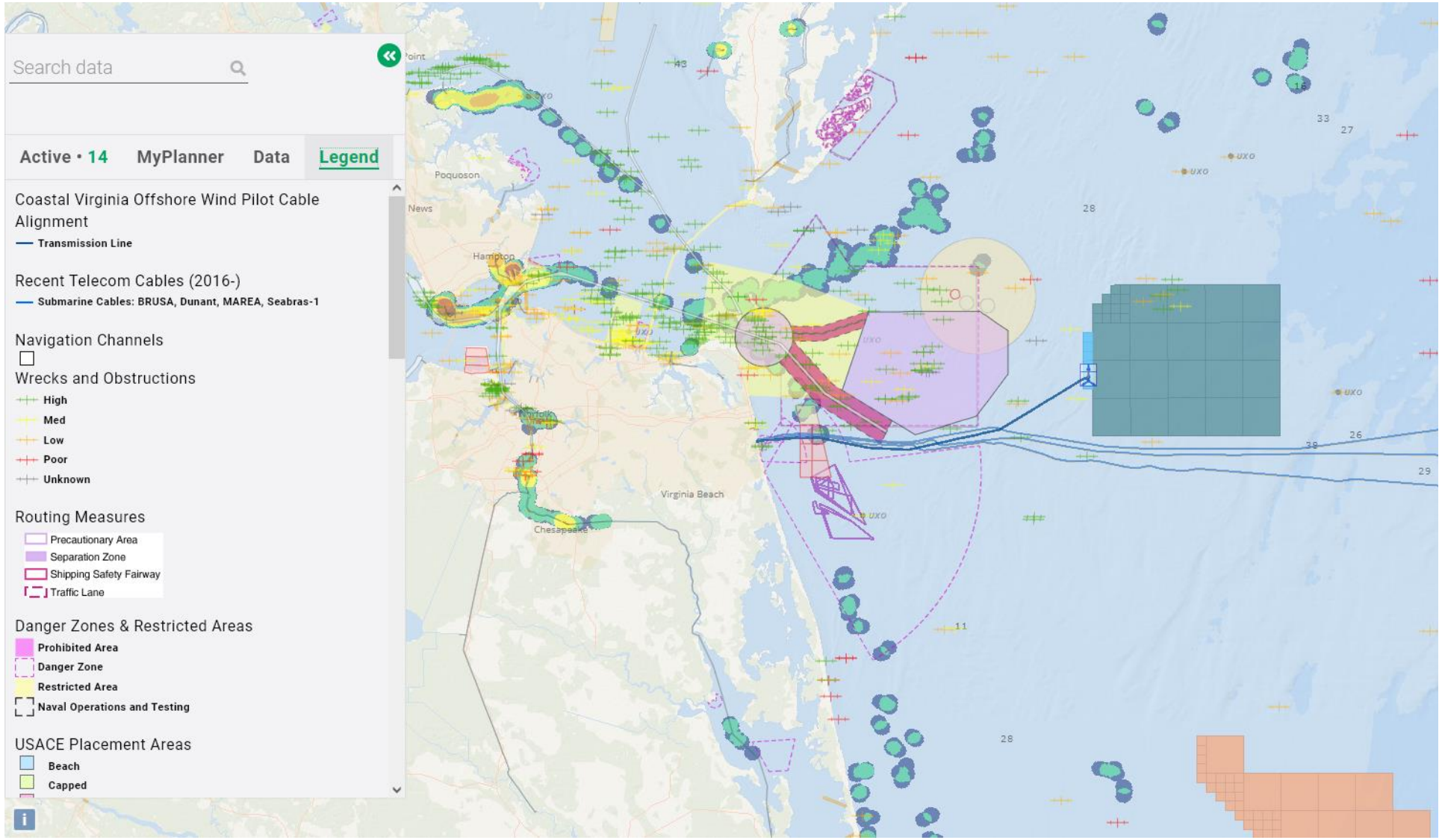
Relationship Among Federal, Regional and State Portals



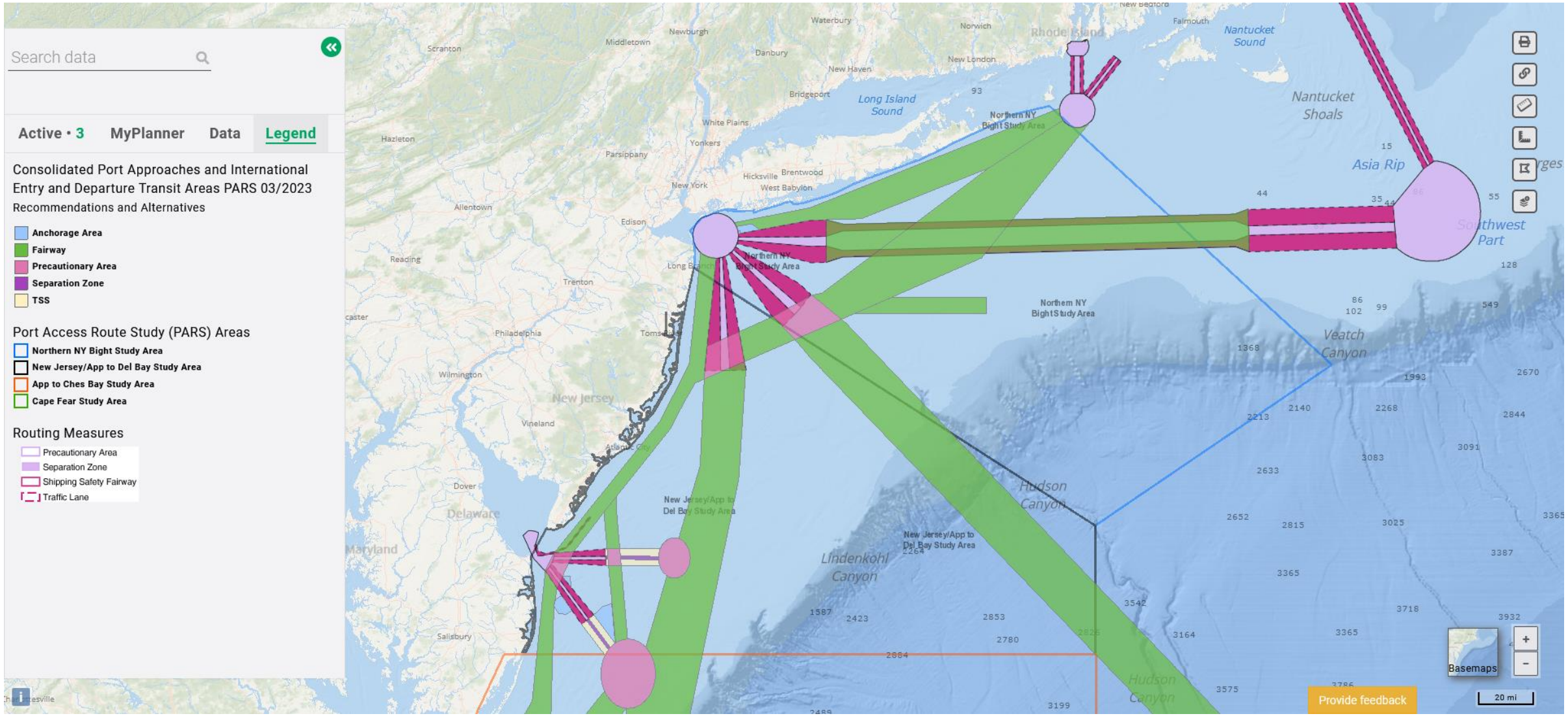
Portal Use Example: Offshore Wind



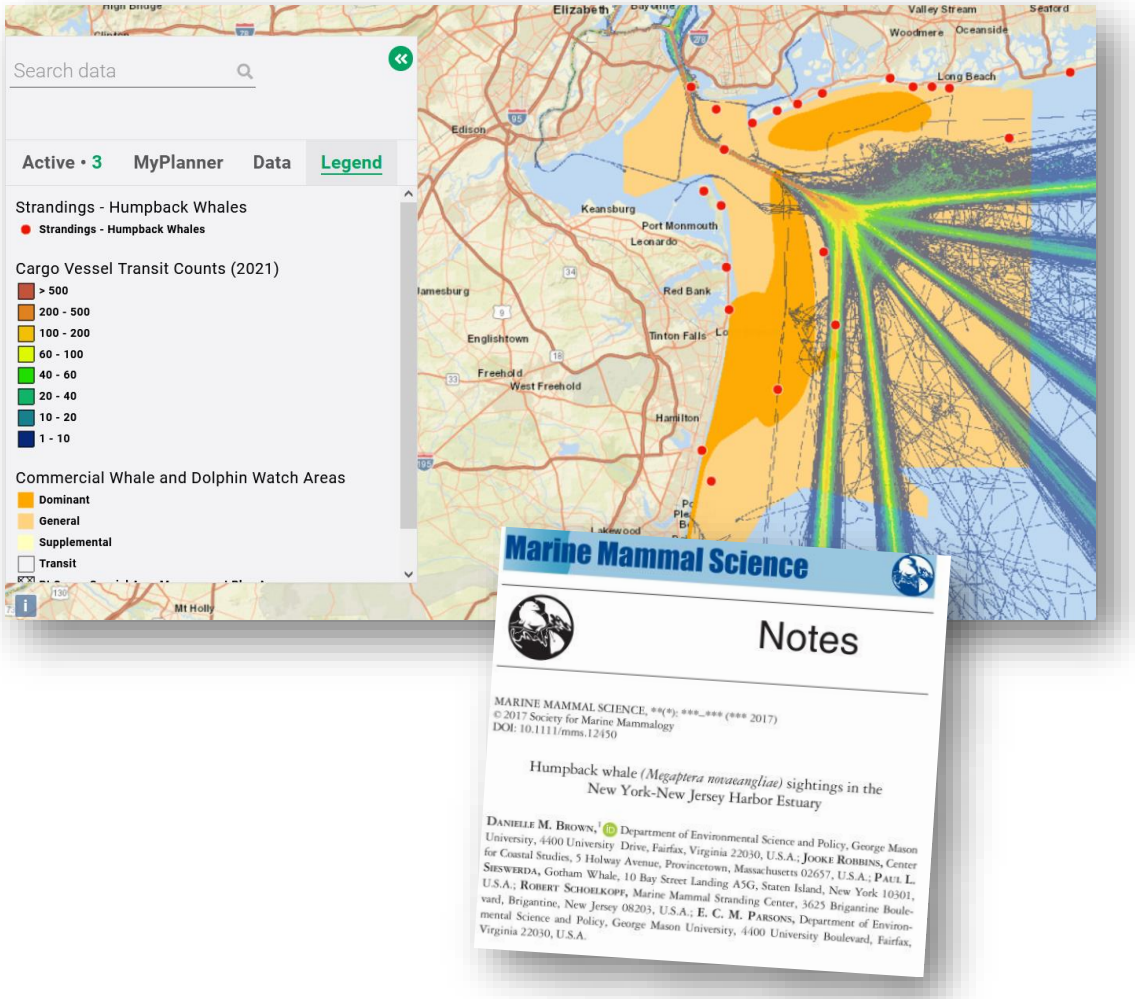
Portal Use Example: Submarine Cables



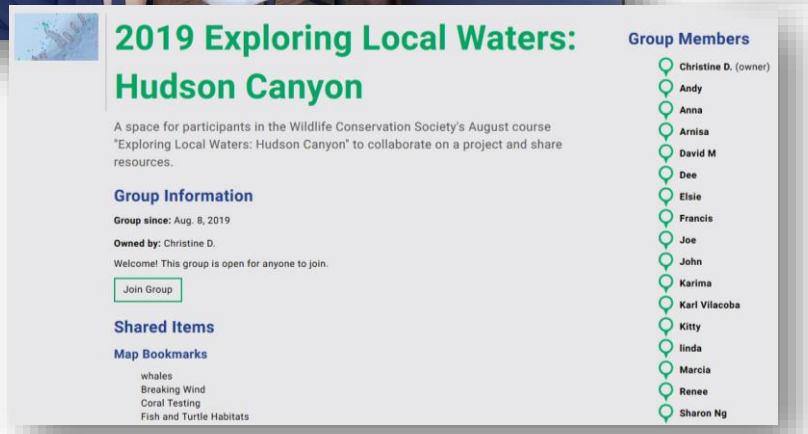
Portal Use Example: USCG Proposals & Studies



Portal Use Example: Assessing Vessel and Whale Interactions



Portal Use Example – Education



2019 Exploring Local Waters: Hudson Canyon

A space for participants in the Wildlife Conservation Society's August course "Exploring Local Waters: Hudson Canyon" to collaborate on a project and share resources.

Group Information

Group since: Aug. 8, 2019

Owned by: Christine D.

Welcome! This group is open for anyone to join.

Join Group

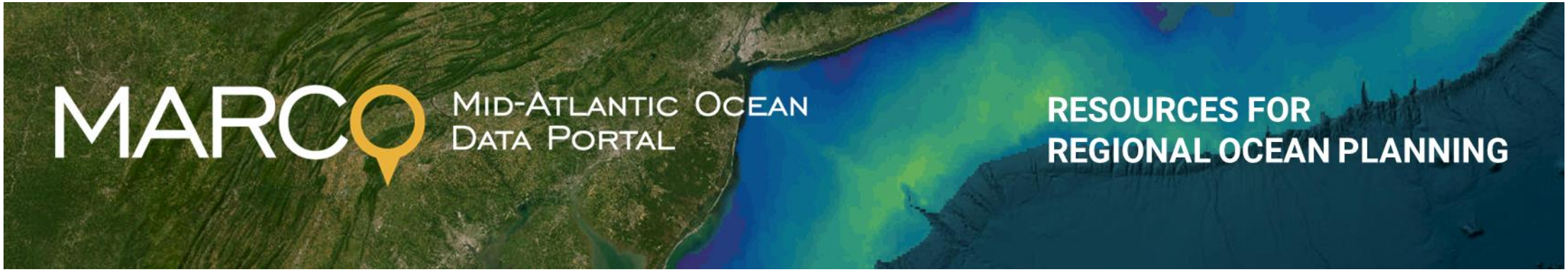
Shared Items

Map Bookmarks

whales
Breaking Wind
Coral Testing
Fish and Turtle Habitats

Group Members

Christine D. (owner)
Andy
Anna
Arnisa
David M
Dee
Elsie
Francis
Joe
John
Karima
Karl Vilacoba
Kitty
linda
Marcia
Renee
Sharon Ng



Thank You

Karl Vilacoba
Portal Project Manager
kvilacob@monmouth.edu

Coming Soon

August 9, 1:00 p.m. ET

Assessing and Advancing Transmission Upgrades for OSW

Gregory Brinkman (NREL)

August 23, 1:00 p.m. ET

Research and Regulations for Marine Mammal interactions with Offshore Wind

Doug Nowacek (Duke's Nicholas School for the Environment) and Nick Sisson (NOAA Fisheries)

Visit wind.ny.gov to register

Check out over 30 past webinars, including:

- Digital Aerial Surveys to Inform Offshore Wind Development
- Regional Collaboration on Wildlife & Fisheries Research
- Offshore Wind Resource Modeling
- A Panel on Nature Based Design Enhancements for Offshore Wind Farms
- Bird Monitoring Methodologies for Offshore Wind

www.nyserda.ny.gov/osw-webinar-series

We want your feedback! Send suggestions for future webinar topics to offshorewind@nyserda.ny.gov

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