



MARACOOS

Powering Understanding and Prediction of the Mid-Atlantic Ocean and Coasts



Mid-Atlantic IOOS: Cape Cod to Cape Hatteras



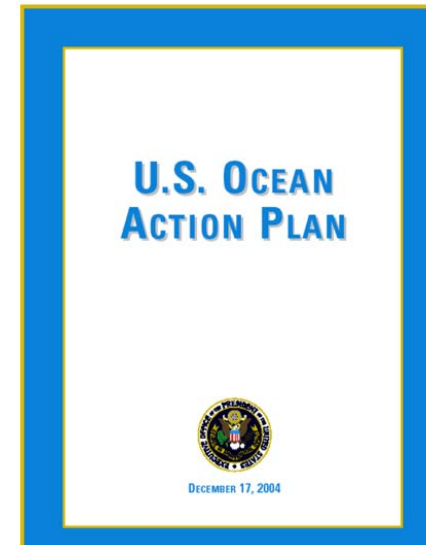
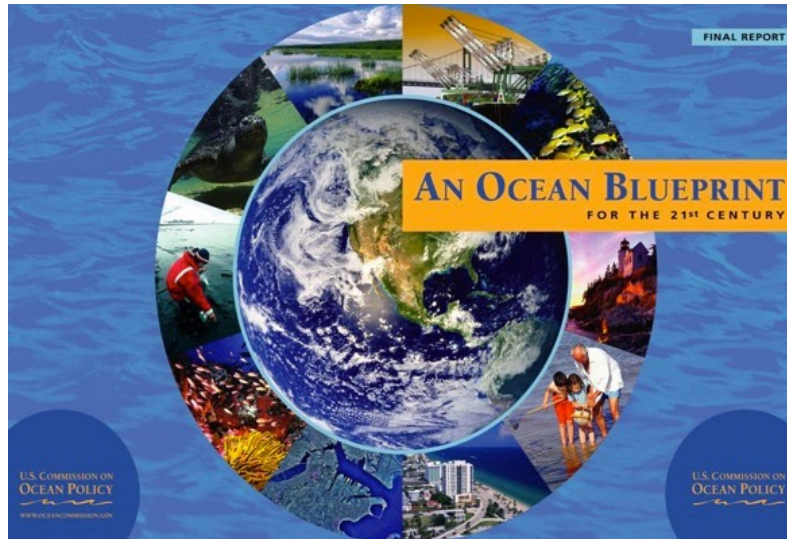
10 states + DC
79 million people

5 estuaries/watersheds
Shallow shelf and Cold pool



Another Flashback to 2004...

U.S. COMMISSION ON
OCEAN POLICY





MARACOOS

Ocean Information for a Changing World

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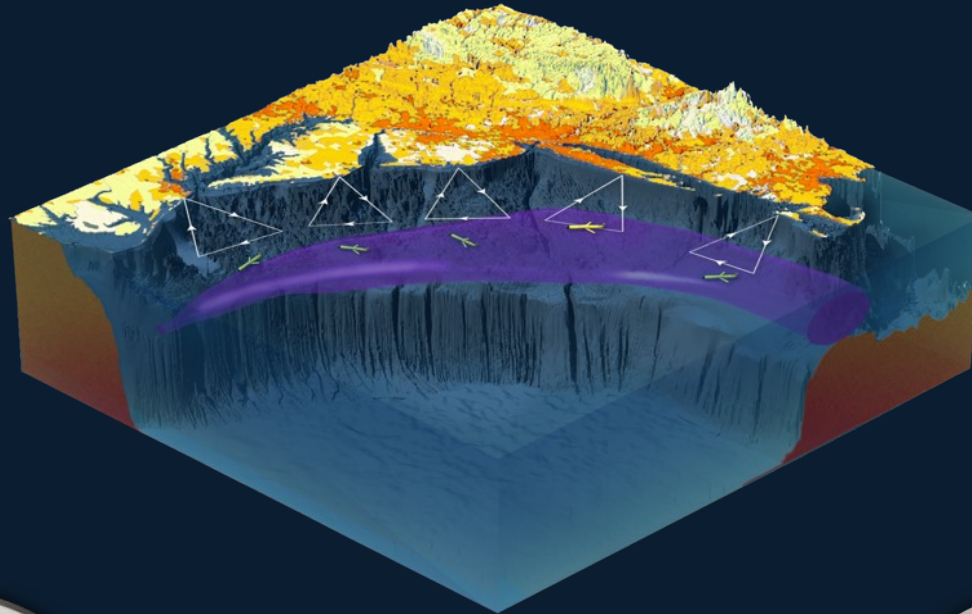
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Data with Purpose



**Maritime
Safety**



**Fisheries & Natural
Resources**



Energy

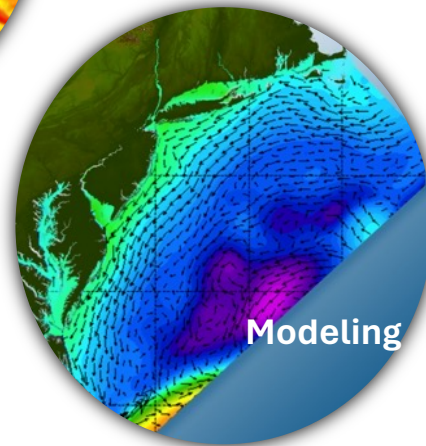
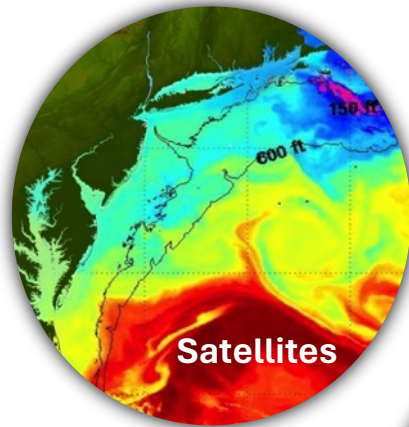
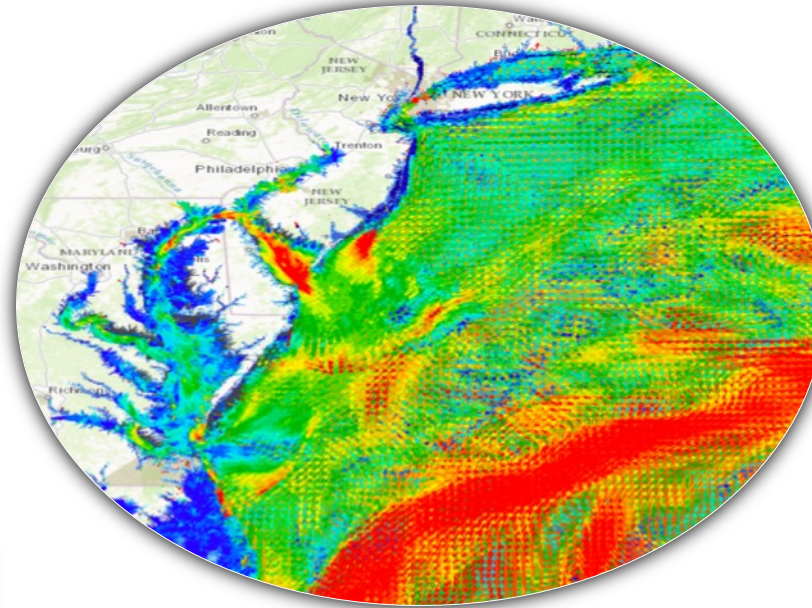


Coastal Hazards



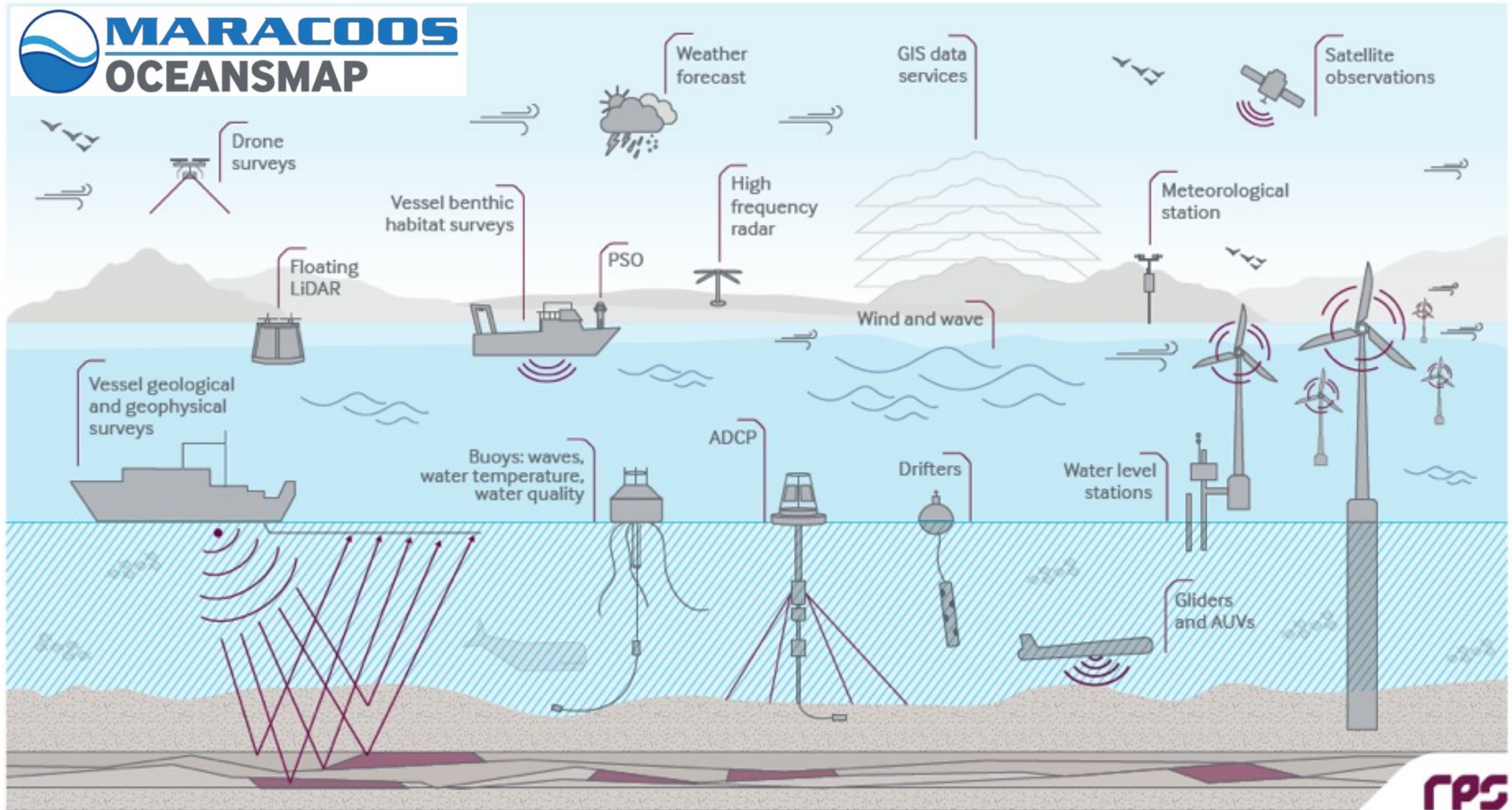
Water Quality

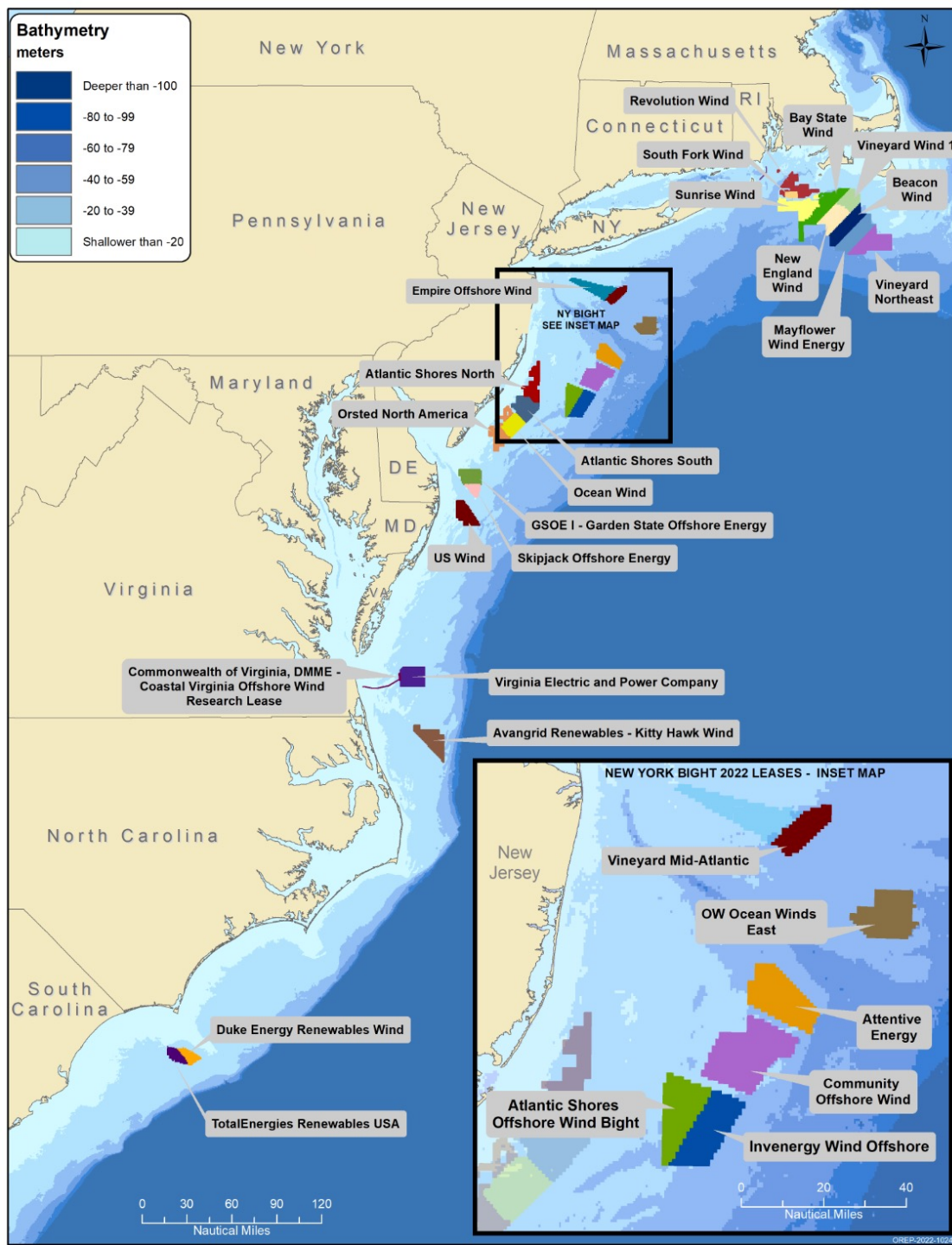
Original Core Operational Areas



Newest High Frequency Radar Station, Lewes Beach, DE





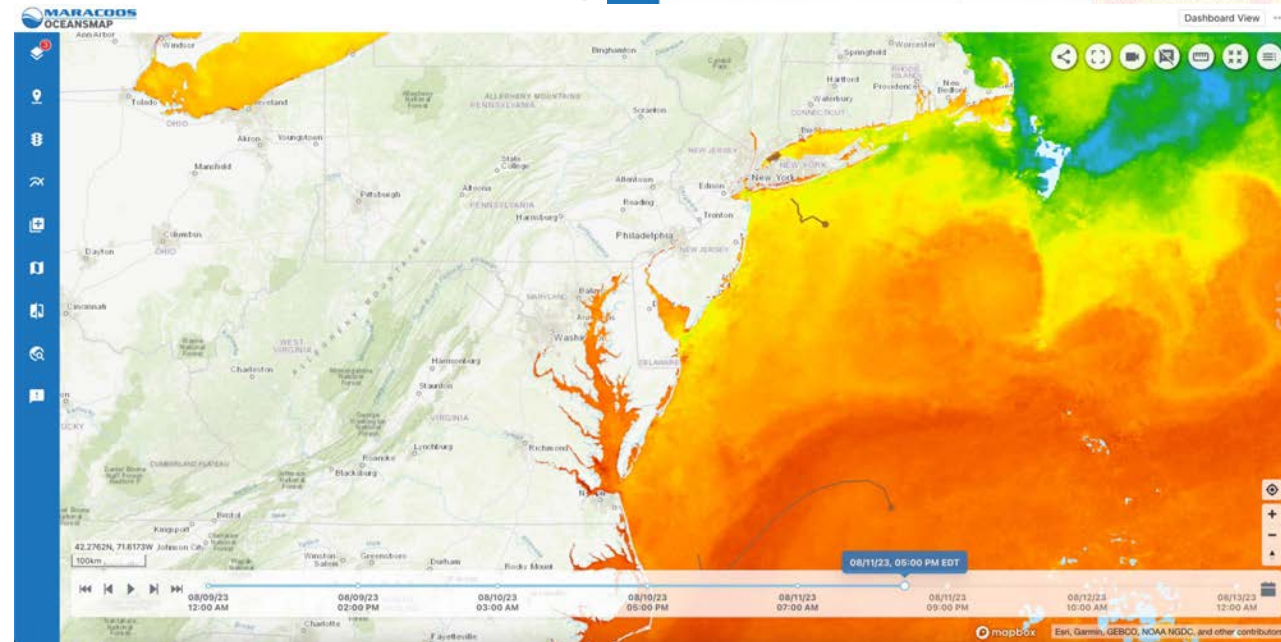
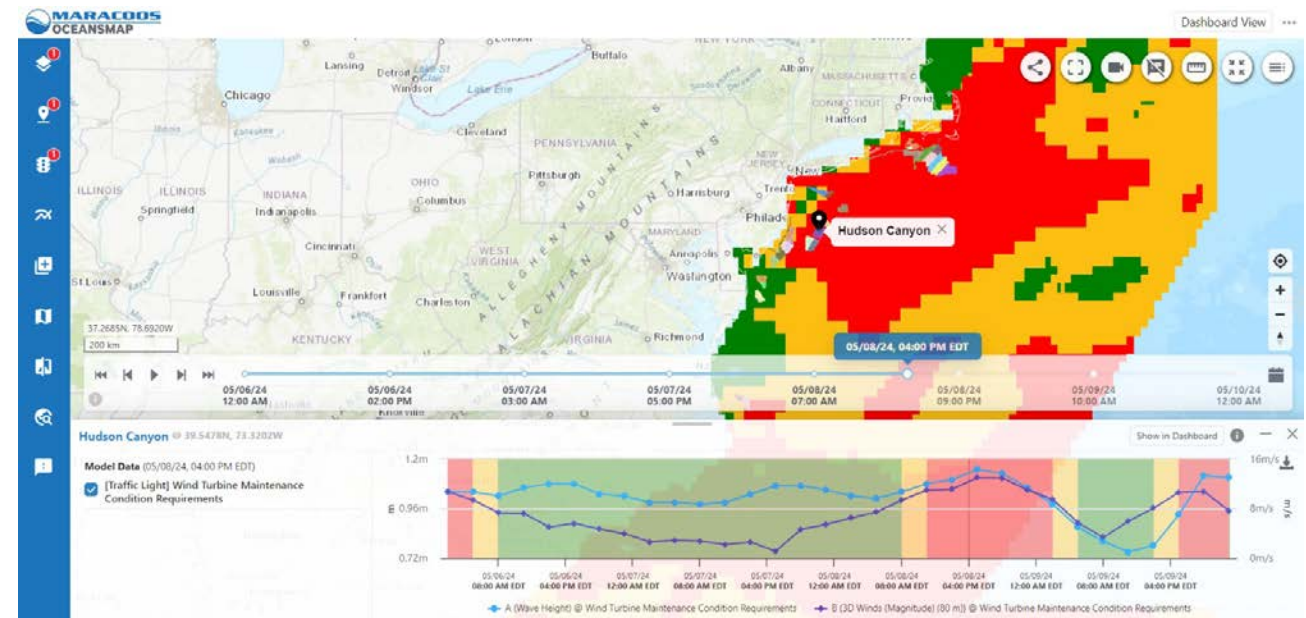
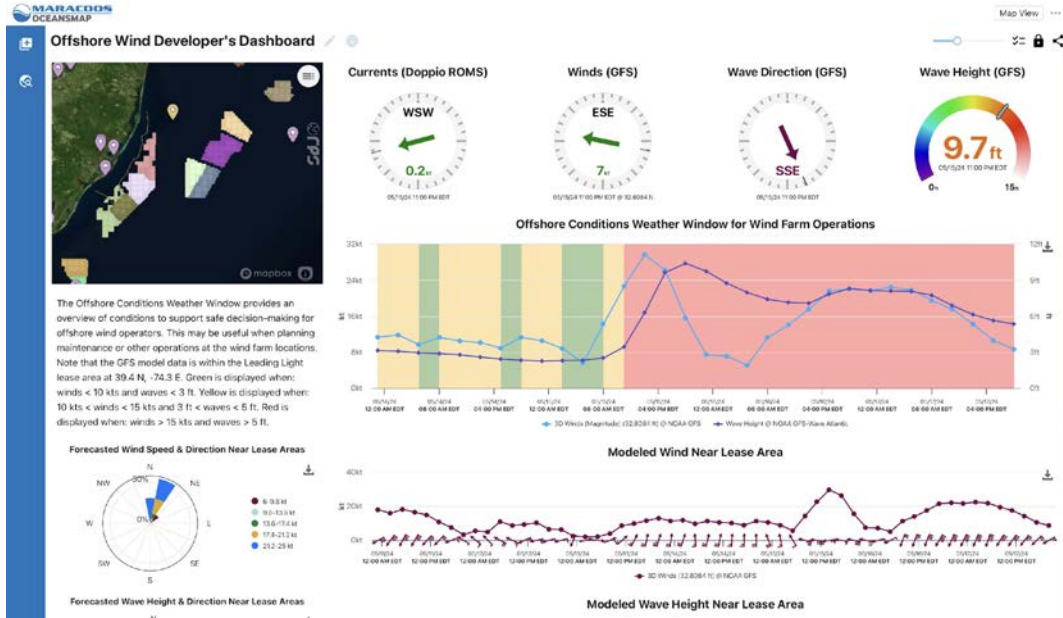


Offshore Wind and IOOS

- Data collection and leveraging
- QA/QC per federal stds
- Data sharing
- Data management
- Decision tools
- Platforms of opportunity
- Community dialogue
- Partner support
- National level coordination
- And more...



OceansMap: Turning Data into Insight



US Offshore Wind Data Assembly Center



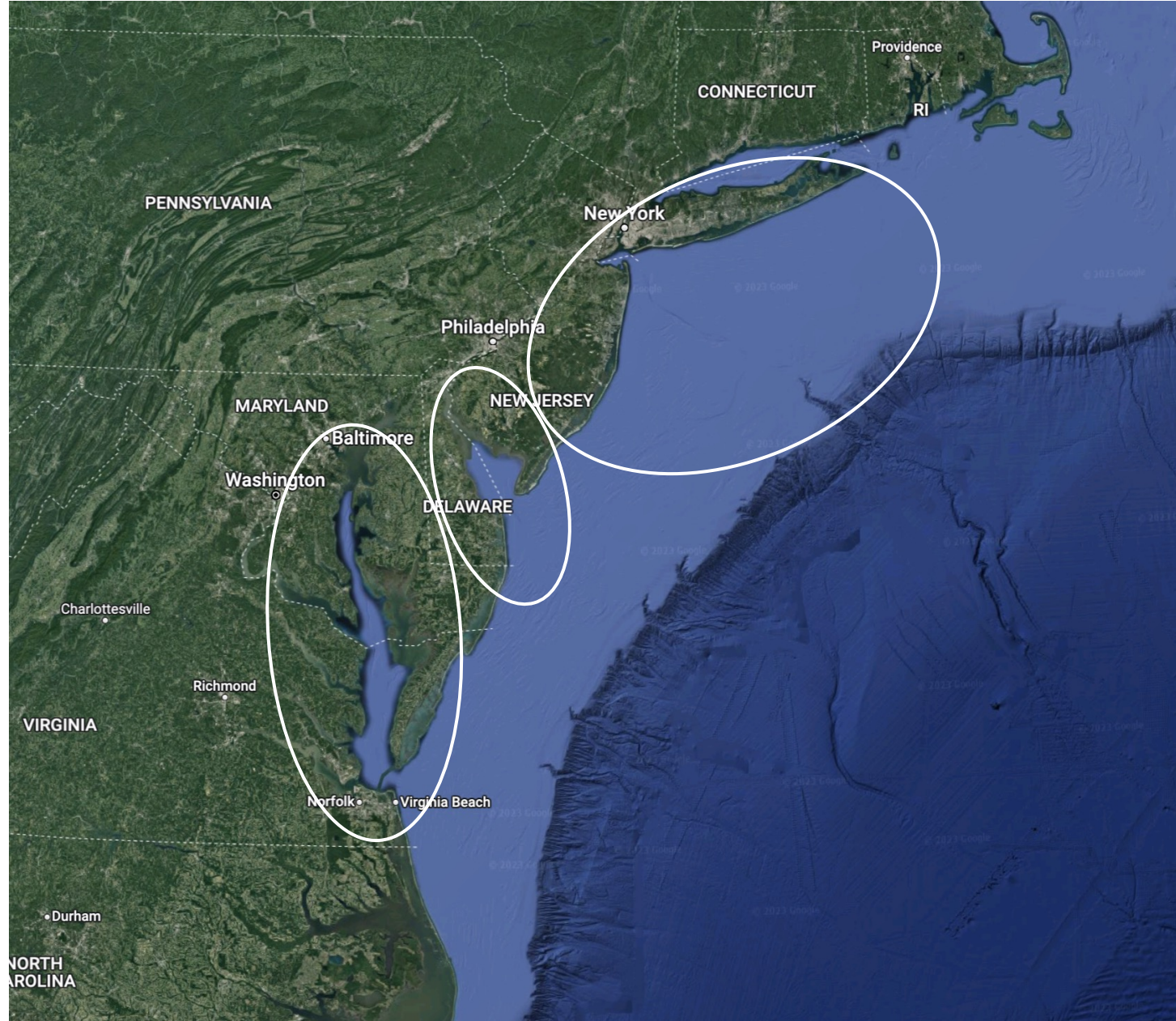
Goal

- Ensure metocean data collected to support OSW are effectively managed and available to all stakeholders

Why Now?

- Multiple organizations deploying MetOcean sensors
- Data is siloed / discovery, access, interoperability inconsistent
- Many stakeholders not benefitting from data
- Pan-regional approach streamlines workflows for providers and consumers
- Support WTRIM (Wind Turbine Radar Interference Mitigation) for HF RADAR

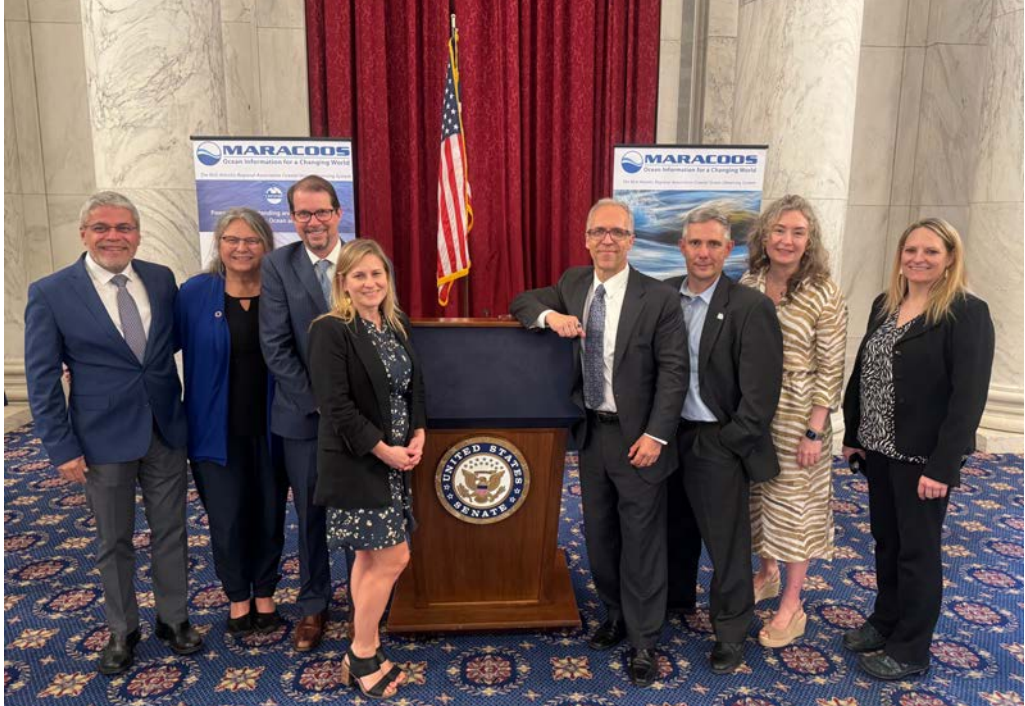
Applying IRA funds to support Water and Wave Level Info needs (and more)



- Coordinated as part of the IRA Topic 2 IOOS National Initiative / communities of practice
- New partners
- Engagement with existing and new communities, incl. Underserved, Underrepresented, or overburdened communities
- Low cost sensors:
 - water level
 - wave buoys
 - web cameras
- Data and Product delivery

We've come so far in 20 years;
We can not afford to go backward.

The lives, properties, economies, and well-being of
our communities are depending on us!





Thank you

Visit MARACOOS OceansMap

at

oceansmap.maracoos.org

or

Point your camera at the QR code

