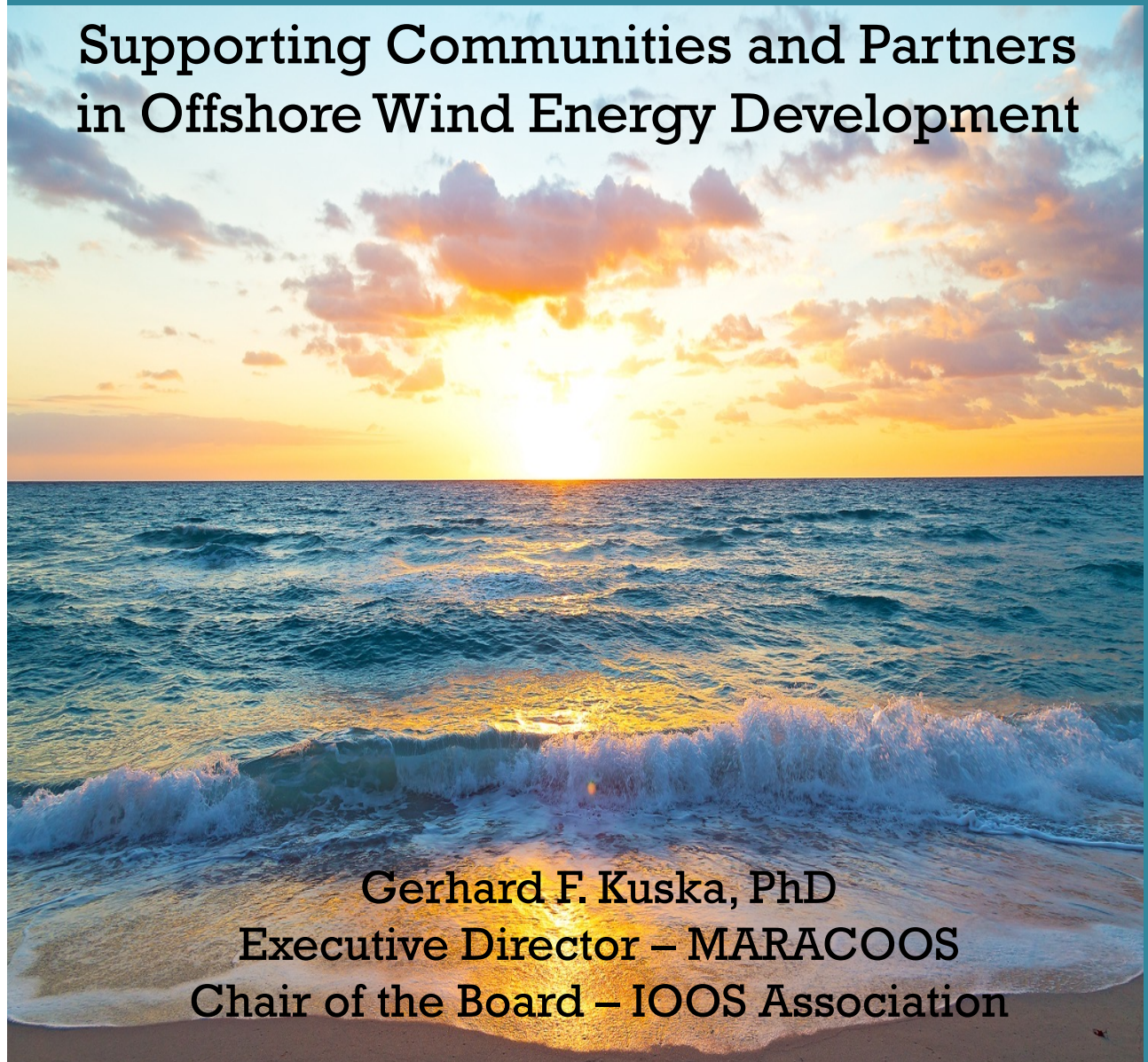
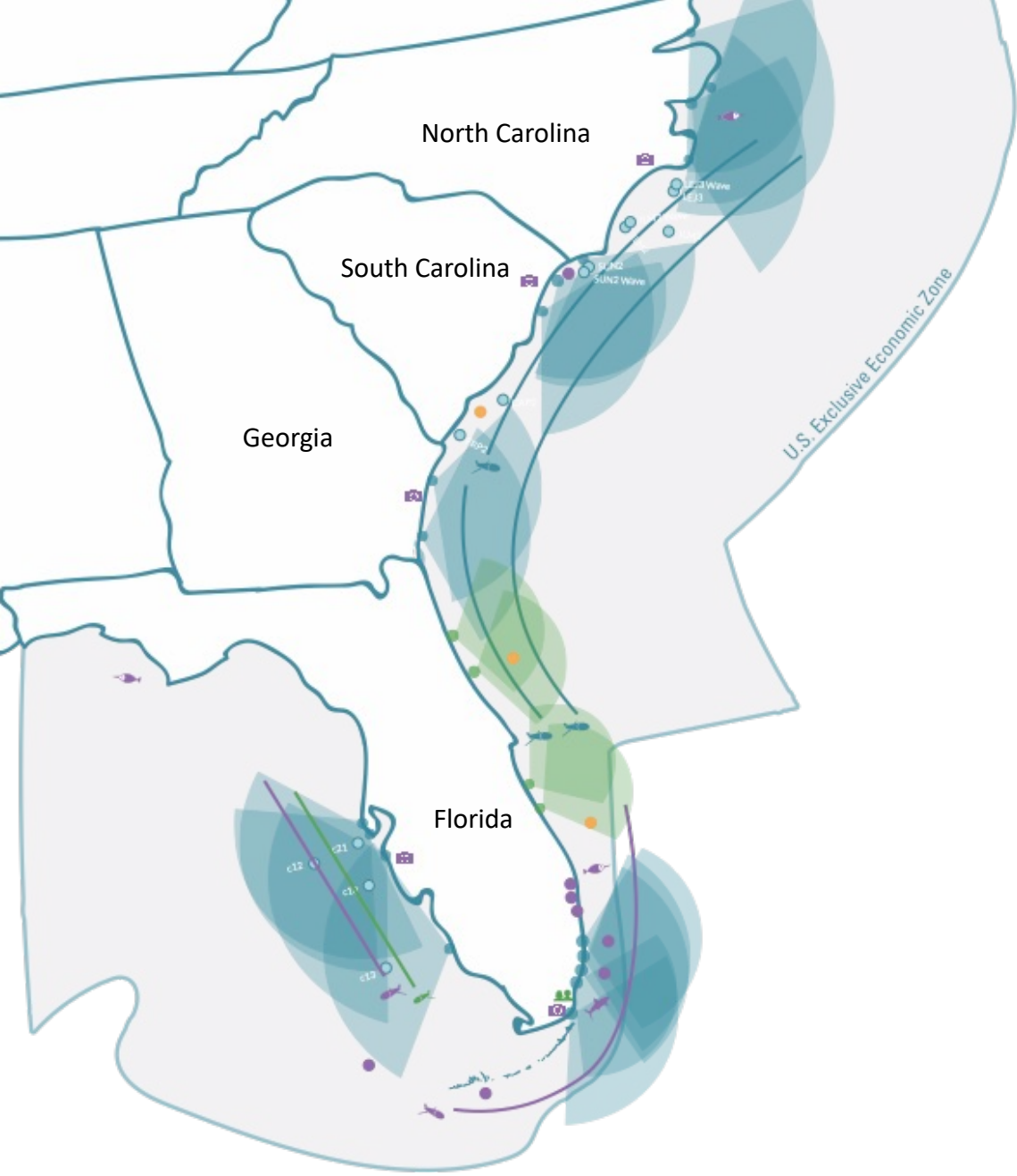


Supporting Communities and Partners in Offshore Wind Energy Development



Gerhard F. Kuska, PhD
Executive Director – MARACOOS
Chair of the Board – IOOS Association

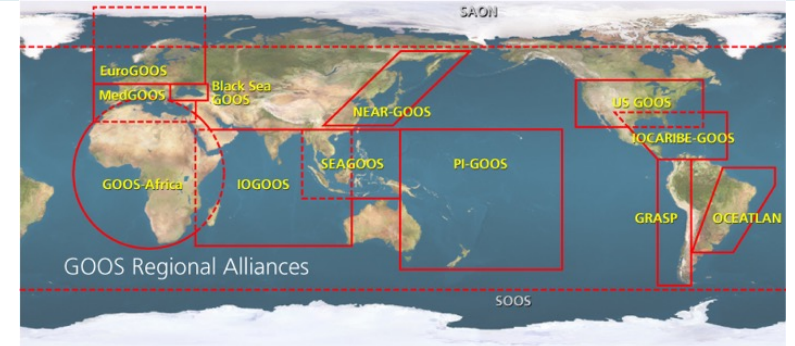
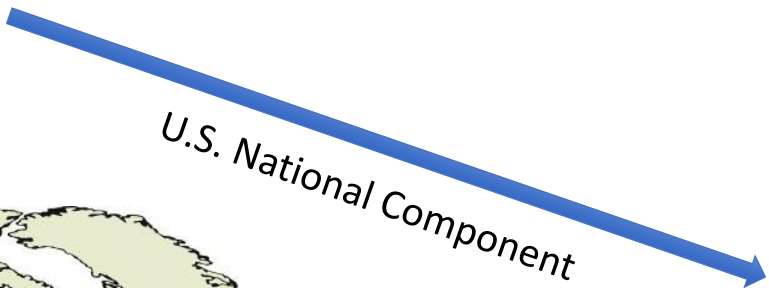
Ocean Observing: From Regional to Global



International Component

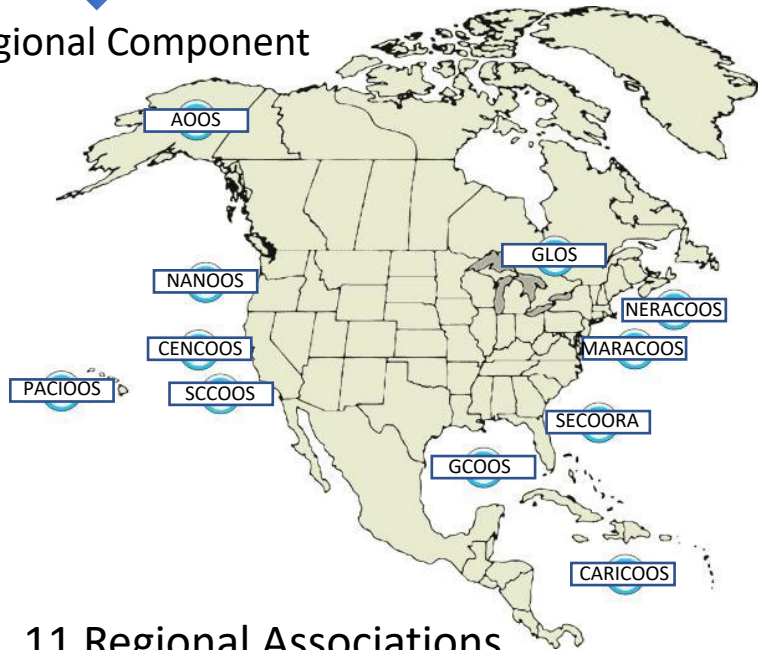


U.S. National Component



Global Ocean Observing System

U.S. Regional Component



11 Regional Associations



17 U.S. Federal Agencies



2023 Annual Meeting
#SECOORA2023

Interagency Ocean Observing Committee

 <p>☐ National Oceanic and Atmospheric Administration (NOAA)</p>	 <p>☐ National Science Foundation (NSF)</p>	 <p>☐ National Aeronautics and Space Administration (NASA)</p>	 <p>☐ Environmental Protection Agency (EPA)</p>
 <p>☐ Bureau of Ocean Energy Management (BOEM)</p>	 <p>☐ Marine Mammal Commission (MMC)</p>	 <p>☐ Joint Chiefs of Staff</p>	 <p>☐ Office of Naval Research</p>
 <p>☐ U.S. Army Corps of Engineers</p>	 <p>☐ U.S. Coast Guard</p>	 <p>☐ U.S. Geological Survey (USGS)</p>	 <p>☐ U.S. Department of State</p>



IOOS Certification: A Certified National Network



IOOS RA Data Management Plan:

- Data Flow
- Quality Control
- Data Sharing
- Archiving

→ 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

US IOOS Regional Associations
→ extended arm of the federal agencies

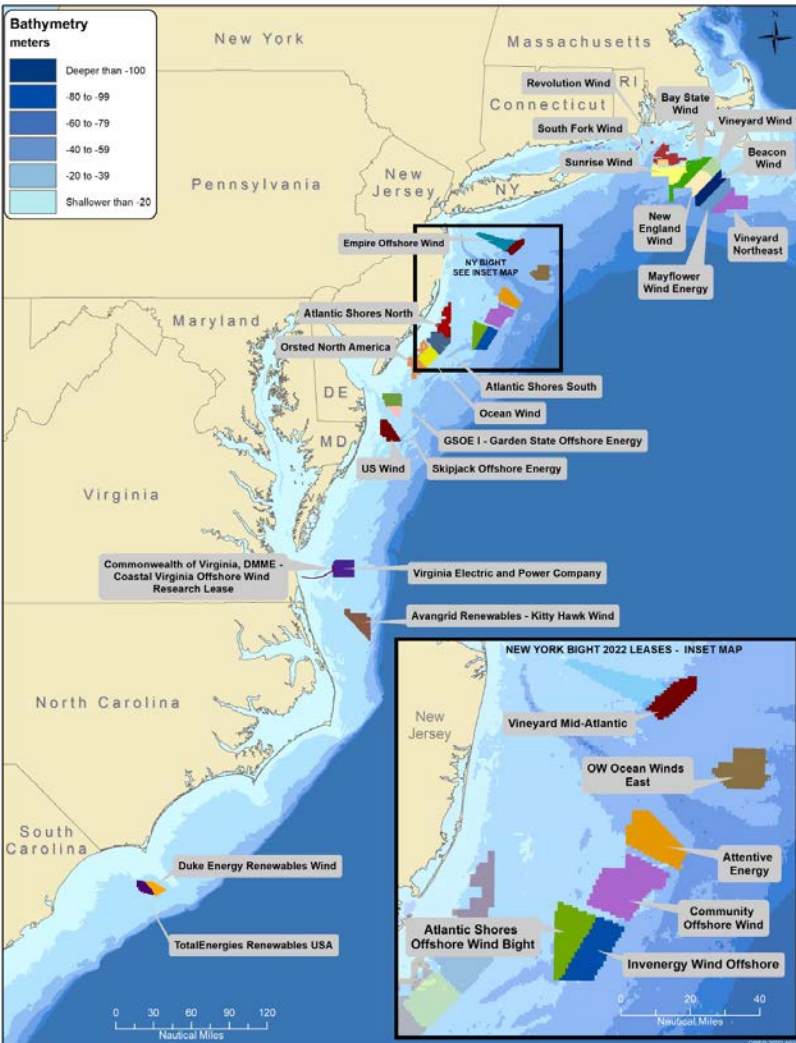


US IOOS: Data Management and Communication

- Storage
- Discoverability
- Accessibility
- Compliance
- Visualization



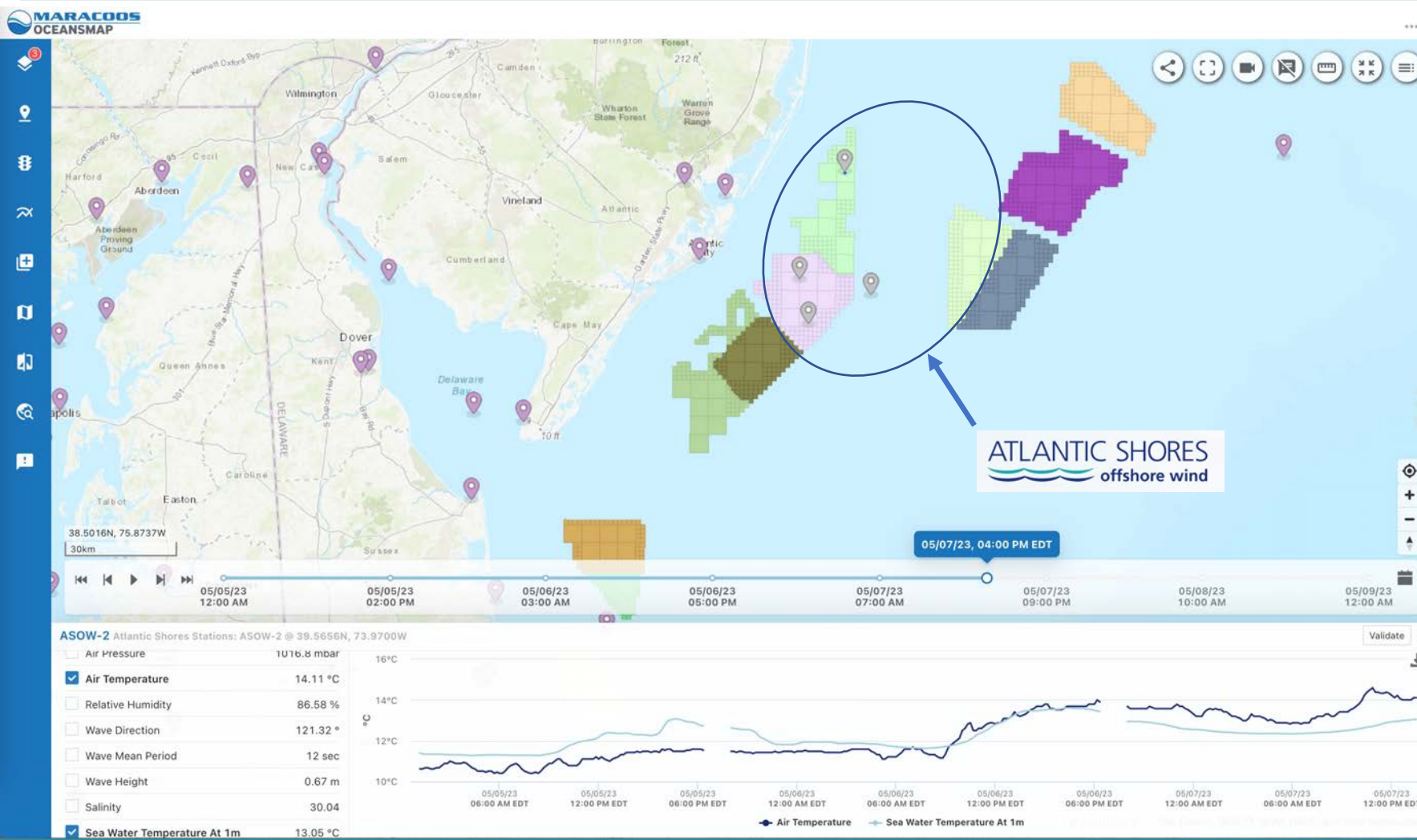
Offshore Wind Development along the US East Coast: Opportunities for Partnering and the Provision of Services



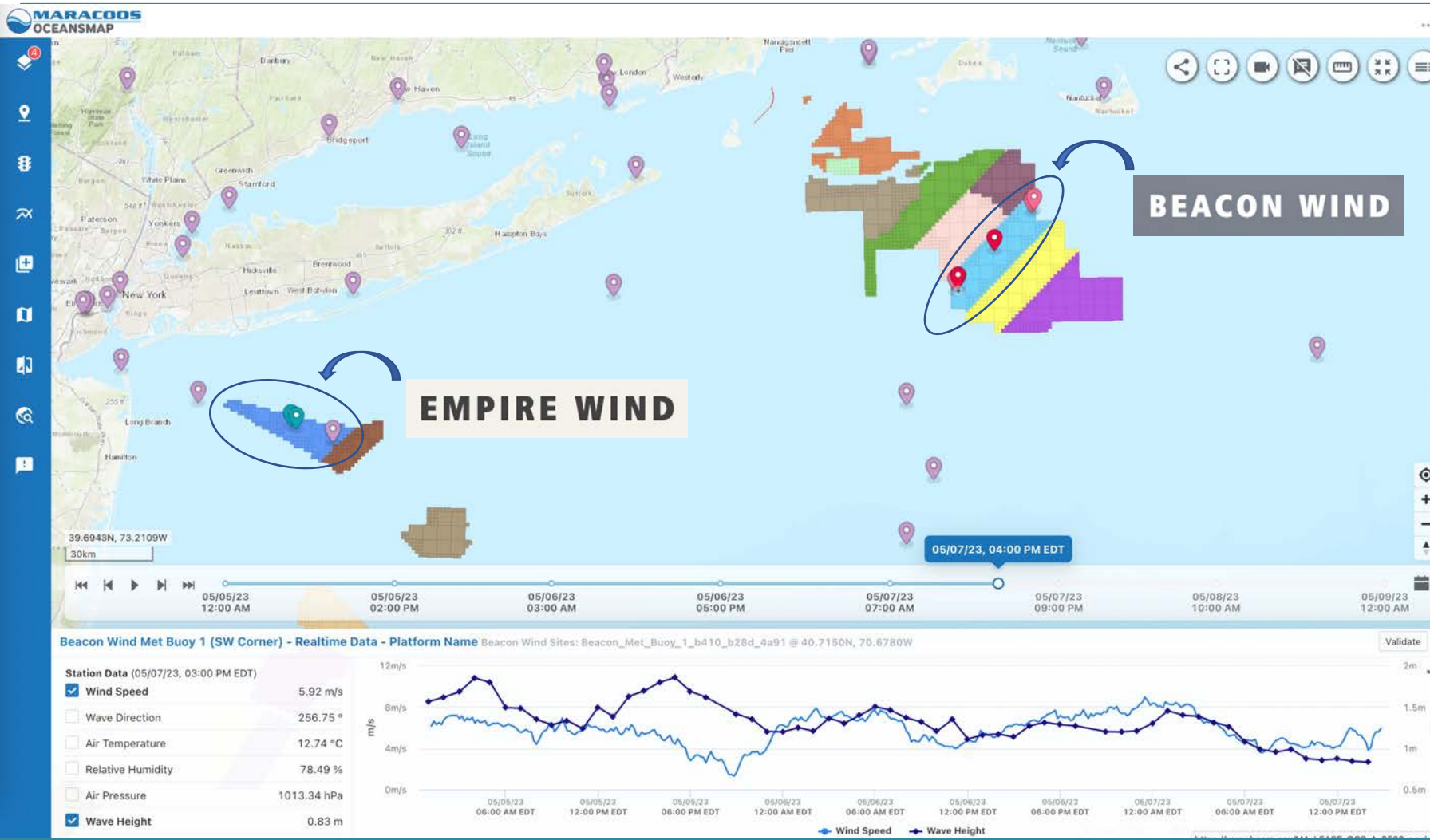
- Data collection and leveraging
- QA/QC per federal stds
- Data sharing
- Data management
- Decision tools
- Platforms of opportunity
- Community dialogue
- And more...



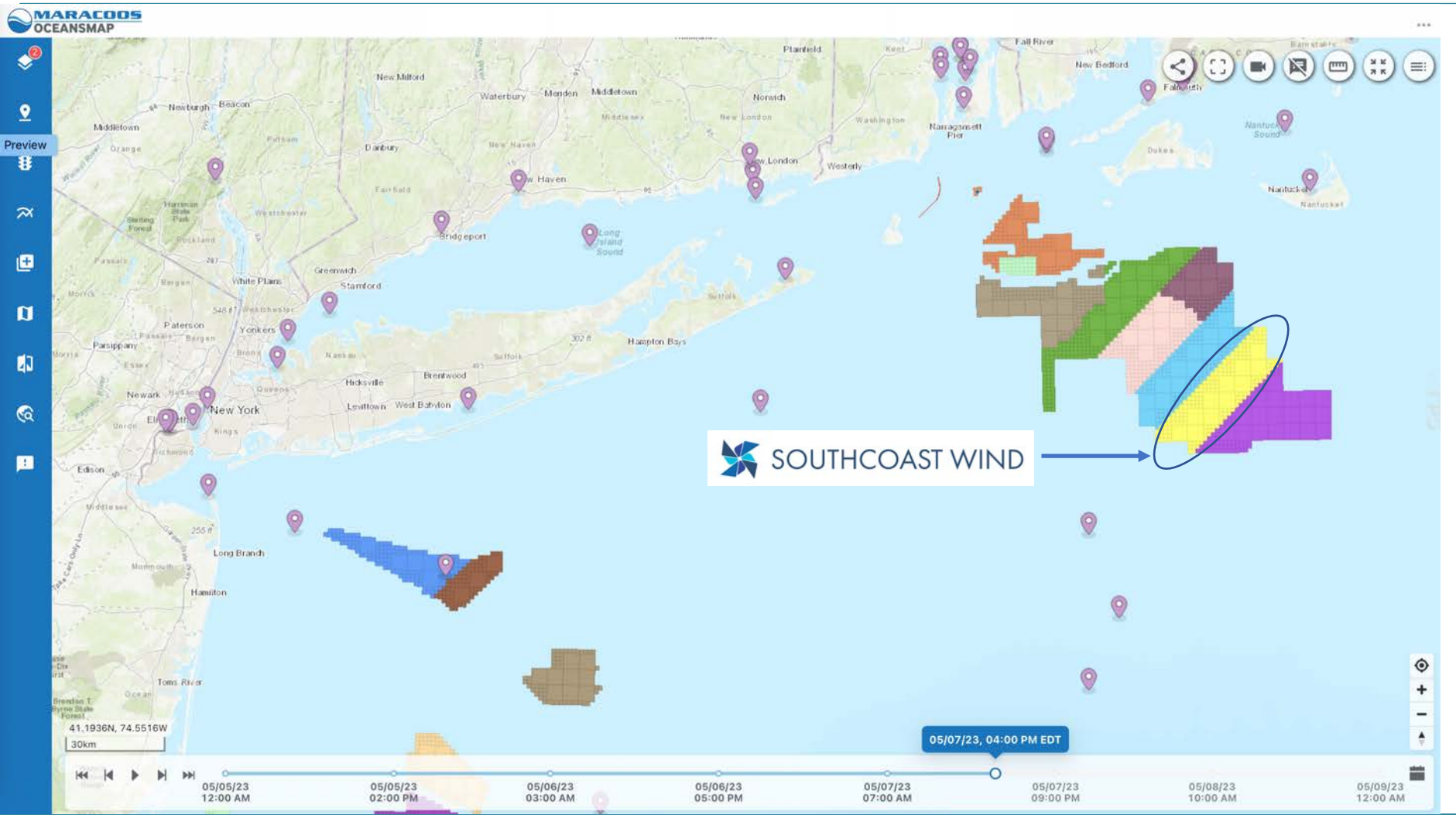
Atlantic Shores (Shell, EDF Renewables) / Fugro



Empire & Beacon Wind (Equinor, BP) / RPS



Southcoast Wind (Shell, Ocean Winds) / Fugro



Challenges and Opportunities Ahead



- Offshore developers
- Federal agencies
- State agencies
- Tribal agencies
- Regional partnerships
- Broader IOOS efforts



IOOS contributes to the Blue / New Blue Economy