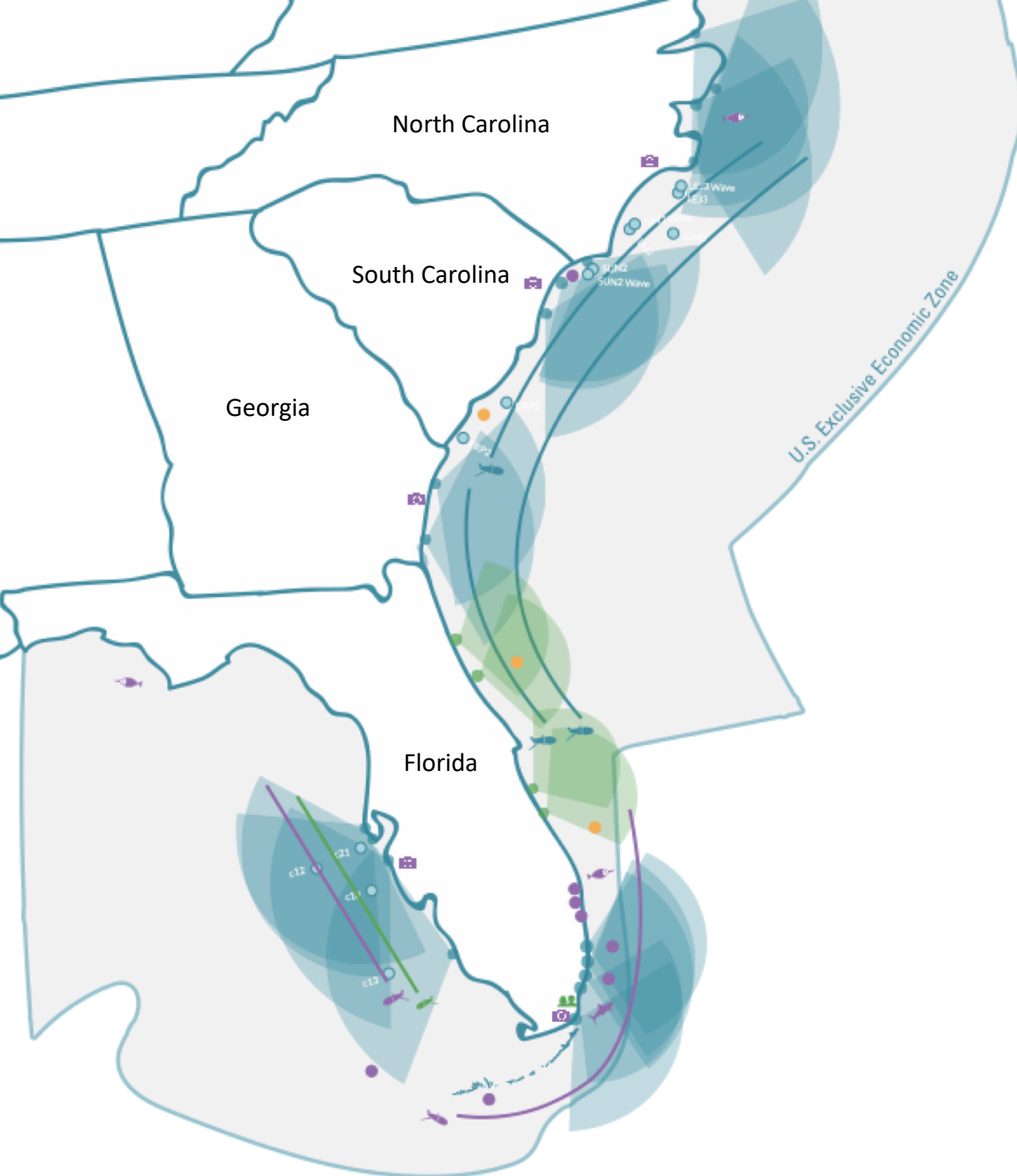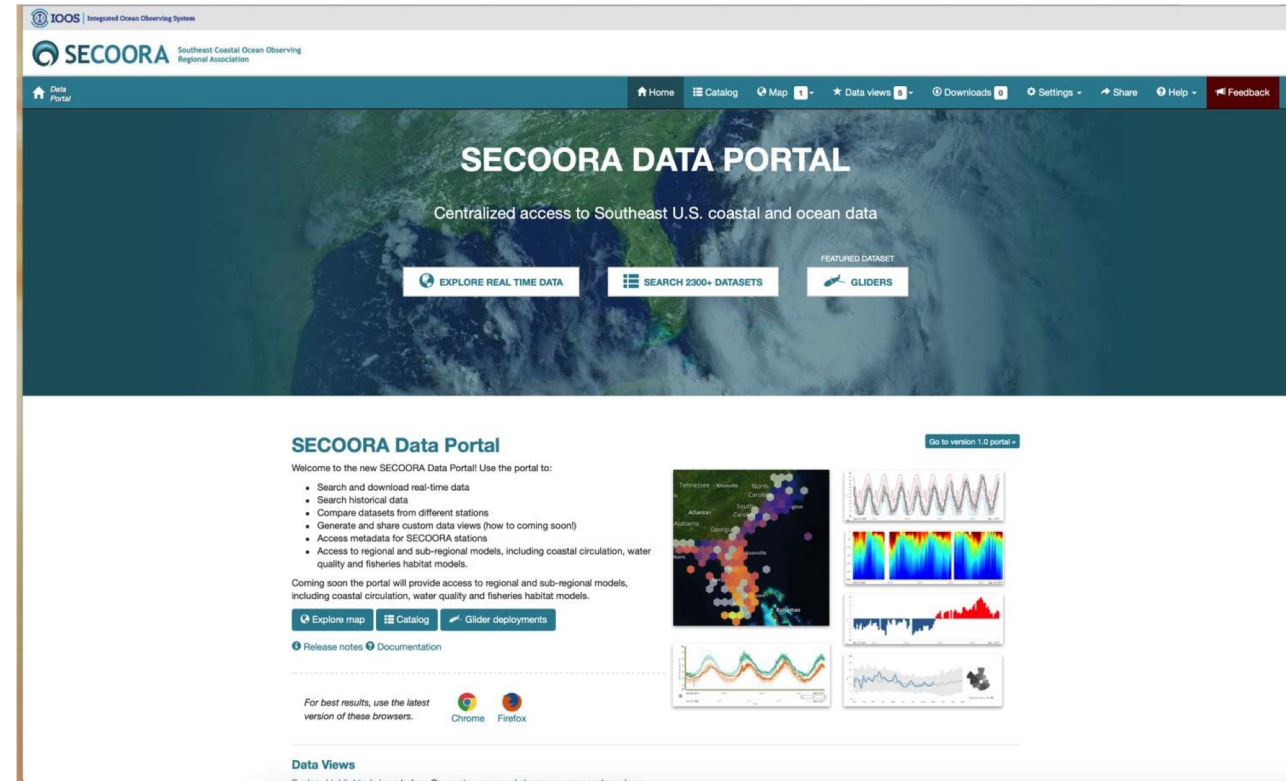# Data Management

Lauren Showalter
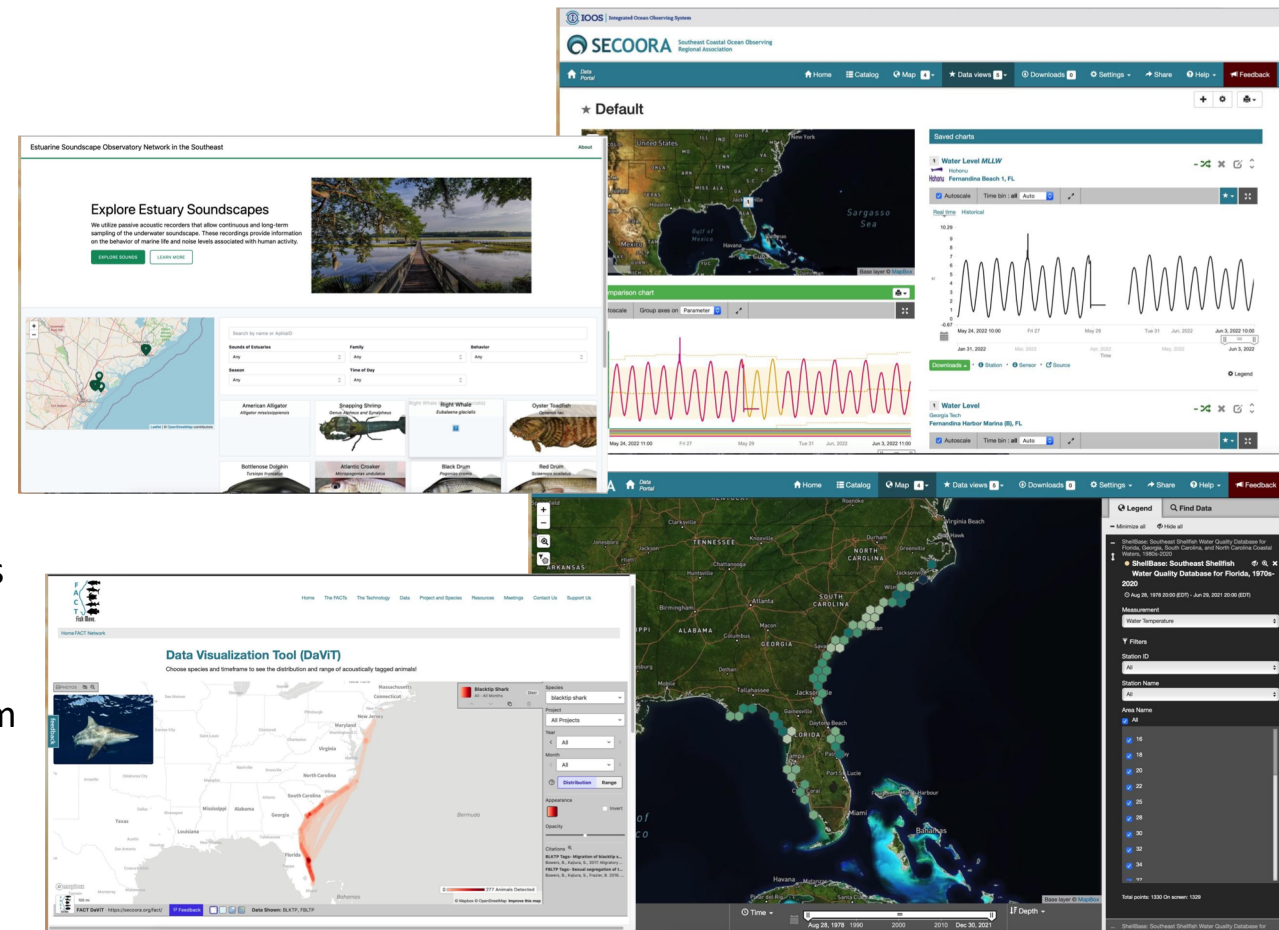and Kyle Wilcox,
Axiom Data Science

Overview of the Project

- Curate multiple data streams from the sensors and models supported by SECOORA as well as from independent data providers
- Document data using IOOS-approved metadata standards
- Provide data to users via standard services and data products
- Archive data in long-term archives

Accomplishments

- Support and data ingestion for the water level team
- Transition to SECOORA ERDDAP pipeline to NDBC
- Shell Base data support and archival
- Glider support updates - can now measure surface-only variables
- Portal improvements
- Updates and additions of NPS data in the Everglades
- Developed ML detector for Grouper based on acoustic data
- Worked with NCEI on new data pathway for sensor data
- Migration of datasets to more scalable object stores
- Migration of V1 sensor sources to V2
- Updates to stations- can not have defined Datum conversions
- Support and tool development for WebCOOS and CETACEAN
- Support and tool development for the Estuarine Soundscape Observatory Network and FACT programs, and the glider team

Challenges and Looking Ahead

- Portal release Version 2.14 and 2.15
- Transition from V1 to V2 sensor system
- Data ingestion and tool development for all SECOORA projects and PIs