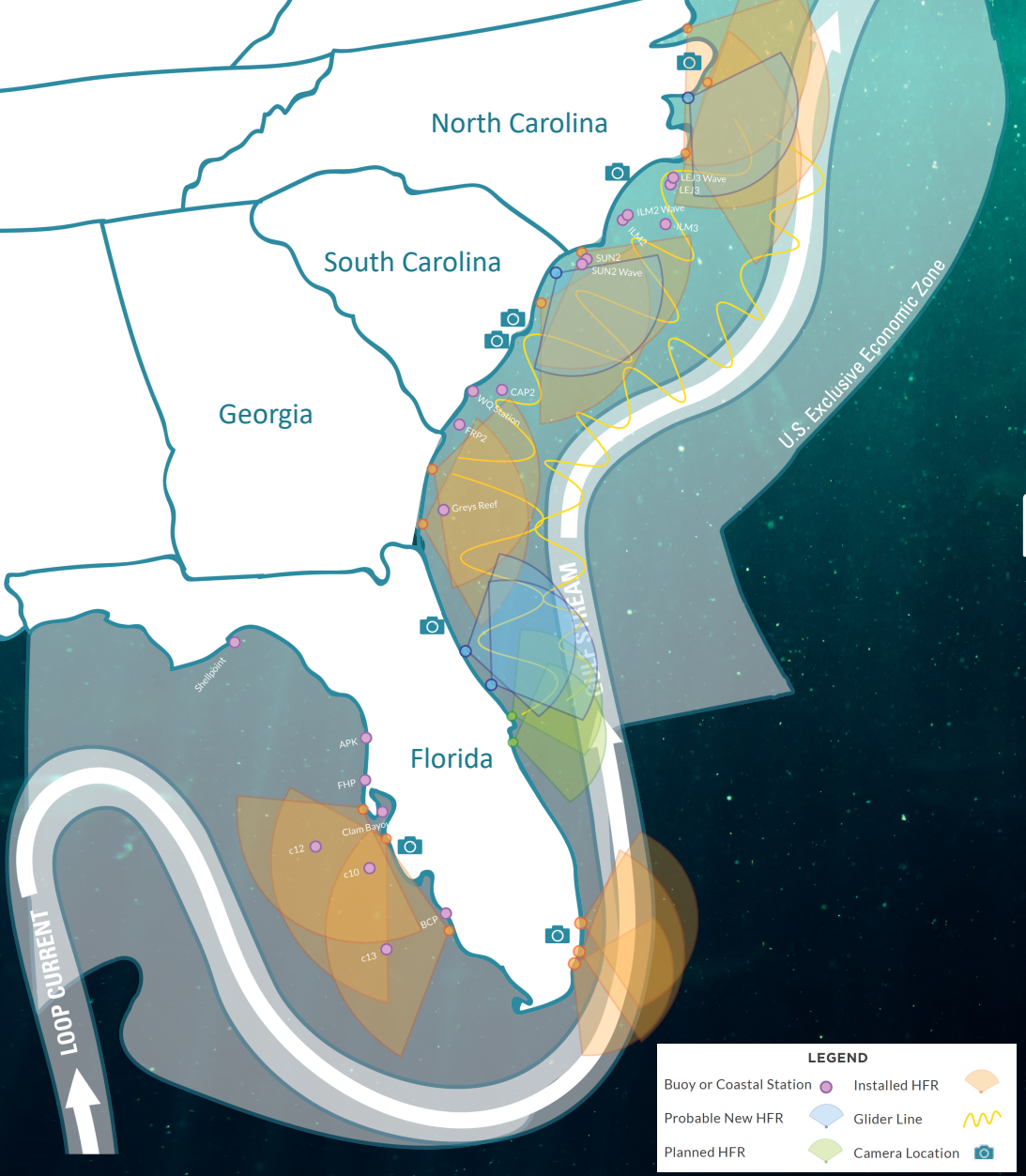


SECOORA
Southeast Coastal Ocean Observing Regional Association

DATA MANAGEMENT

Kyle Wilcox

Axiom Data Science

SECOORA Annual Meeting
www.secoora.org/2019-annual-meeting

In-Situ YOUR EYES IN THE FIELD
IOOS Integrated Ocean Observing System
YSI
CODAR OCEAN SENSORS

Objective and Approach

Objective

- Exceed core requirements from IOOS and Certification
- Data management support for SECOORA funded programs
- Develop new products and capabilities
- Engage community and grow the user base

SECOORA Focus Area

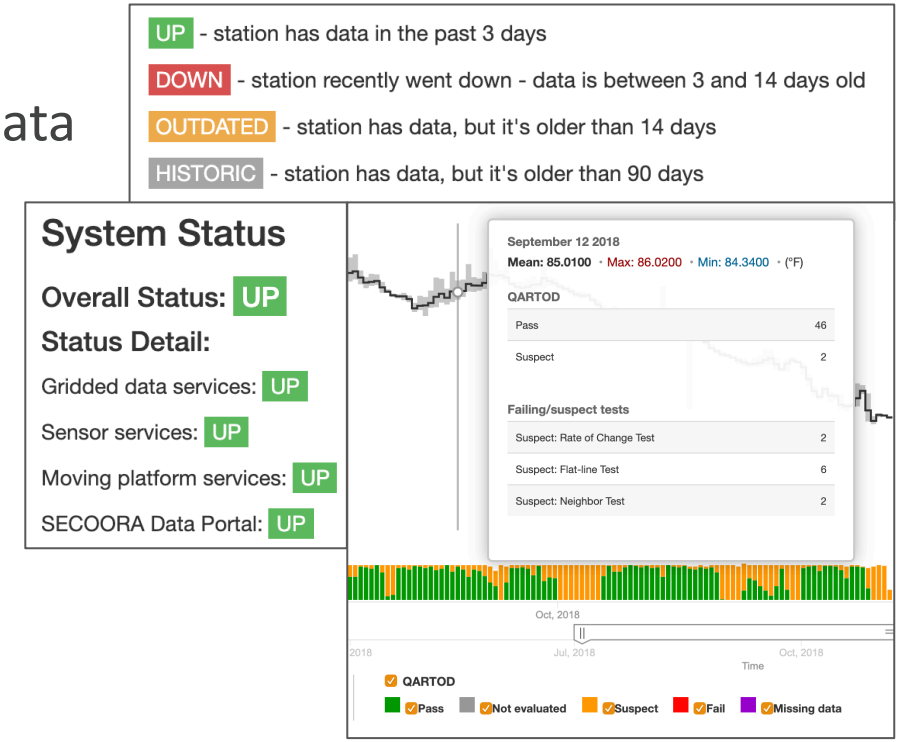
- Cross-cuts all issues and focus areas
  - Marine Operations – **HFR / Obs**
  - Coastal Hazards – **SGS / Grids**
  - Ecosystems: Water Quality and Living Marine Resources – **RW / Obs**
  - Climate Variability - **Obs**

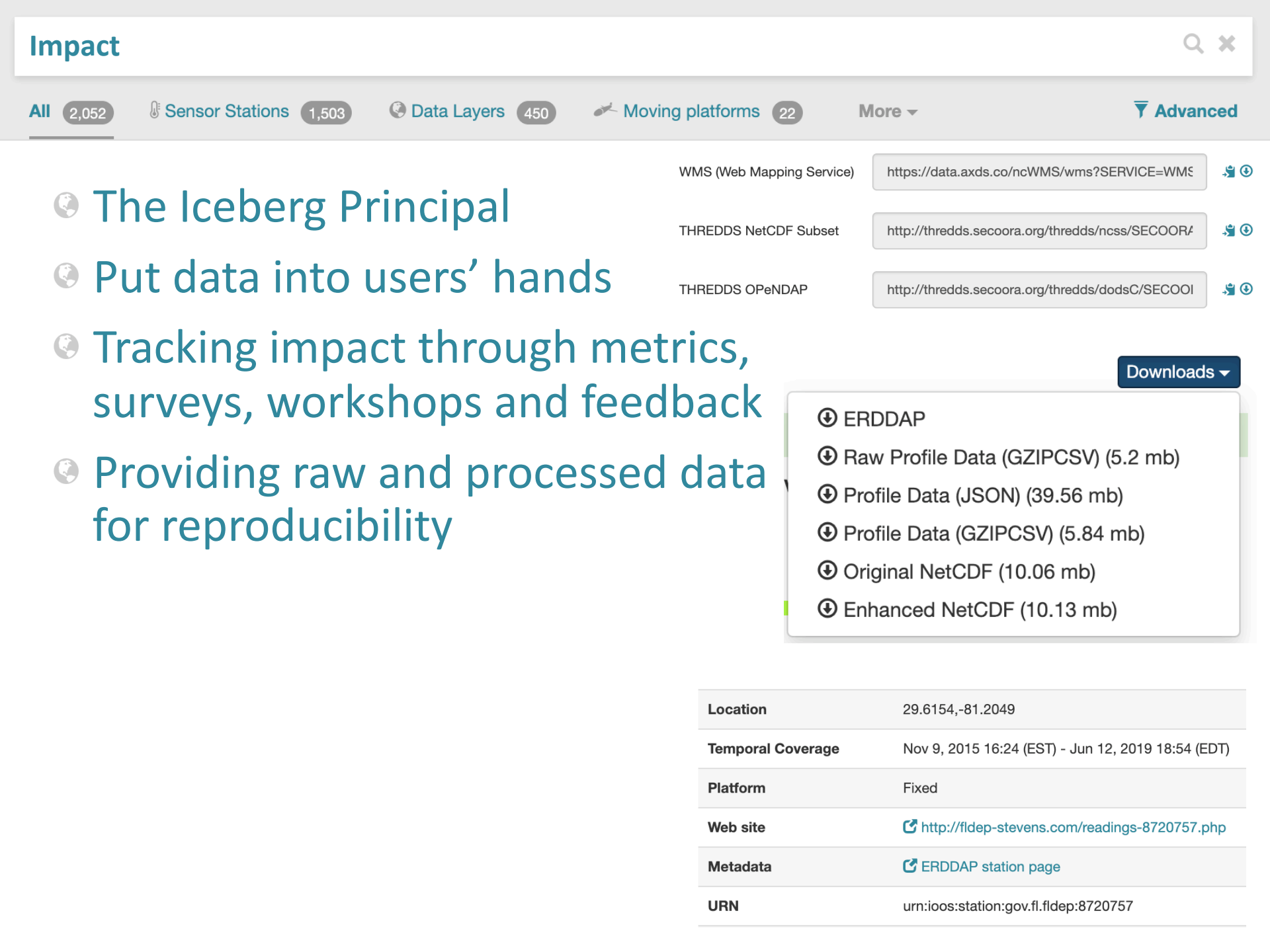
- Become **the** regional node for coastal data and information

Accomplishments

All 2,052 | Sensor Stations 1,503 | Data Layers 450 | Moving platforms 22 | More | Advanced

- QARTOD Implementation (code, ingest, config/run, viz)
- Re-architecture of Search (datatype/provider/affiliation/variable groupings, advanced search)
- Portal release updates (quick map add, surface gliders, data inventories)
- Hurricane Tool – 2019 storms
- Collection/consolidation of historic observations in region (recovered data (modmon samples, ob27m and bottom temp)
- Moving from SOS to ERDDAP
- Monitoring/alerting dashboard
- More detailed metrics/analytics
- WebCAT / FACT support
- Transitioning to new grids



Impact

- The Iceberg Principal
- Put data into users' hands
- Tracking impact through metrics, surveys, workshops and feedback
- Providing raw and processed data for reproducibility