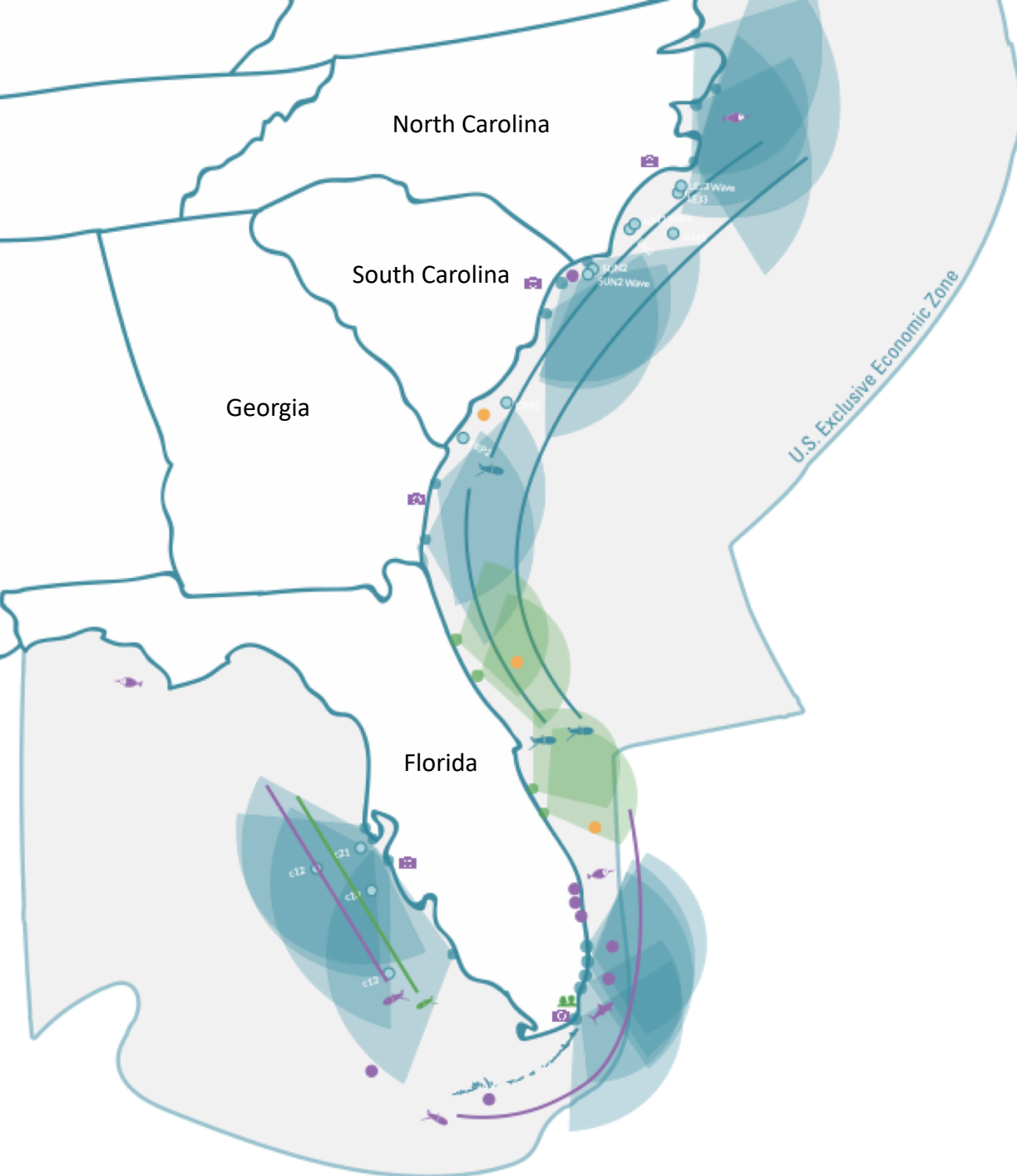


Just the FACTs: Acoustic telemetry data aggregation and collaboration in the SE US

Joy Young, PhD, The
FACT Network



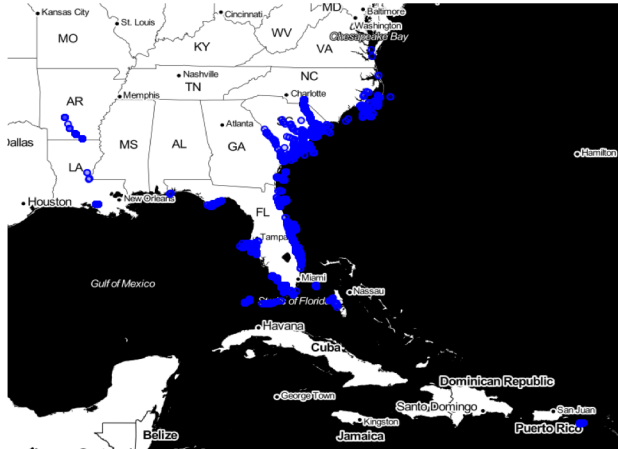
The FACT Network

Community and a Data Platform

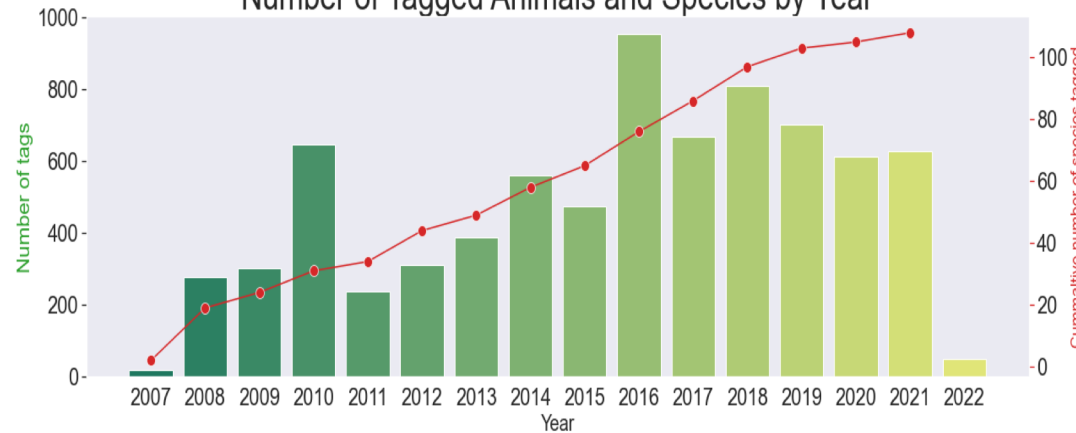


>280 members
94 organizations

Current receiver stations



Number of Tagged Animals and Species by Year



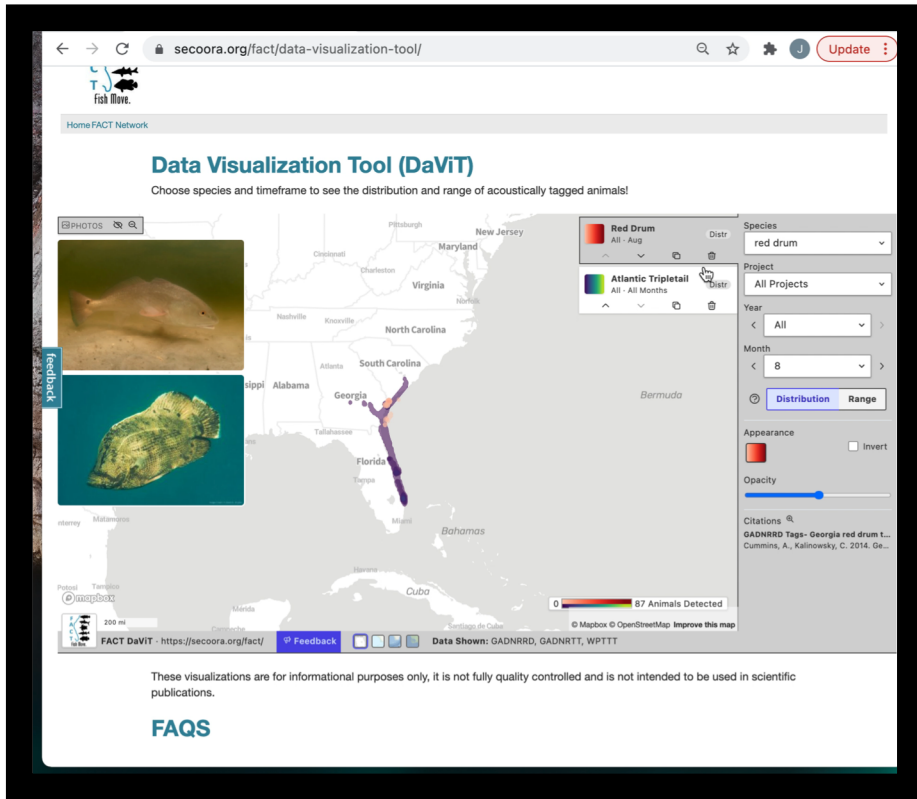
158 projects from 55 institutions
>225.6 million detections
108 species tagged to date
1,100+ active stations (total 2,167)
2,500+ active tags (total 8,409)

> \$4,700,000 US telemetry assets
currently in the water

Accomplishments

New web tool, the DaViT!

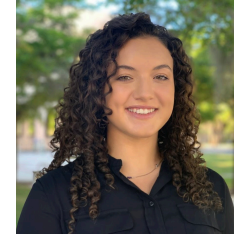
<https://secoora.org/fact/data-visualization-tool/>



New equipment loaner program!



Jimmy Liao,
PhD
University of Florida



Cecilia Hampton
Undergrad
New College of Florida



Ashley Dawdy
PhD Student
Florida State University



Derek Aoki
PhD Student
Florida Atlantic
University

New student subsection!

Proceeds used for student
travel awards



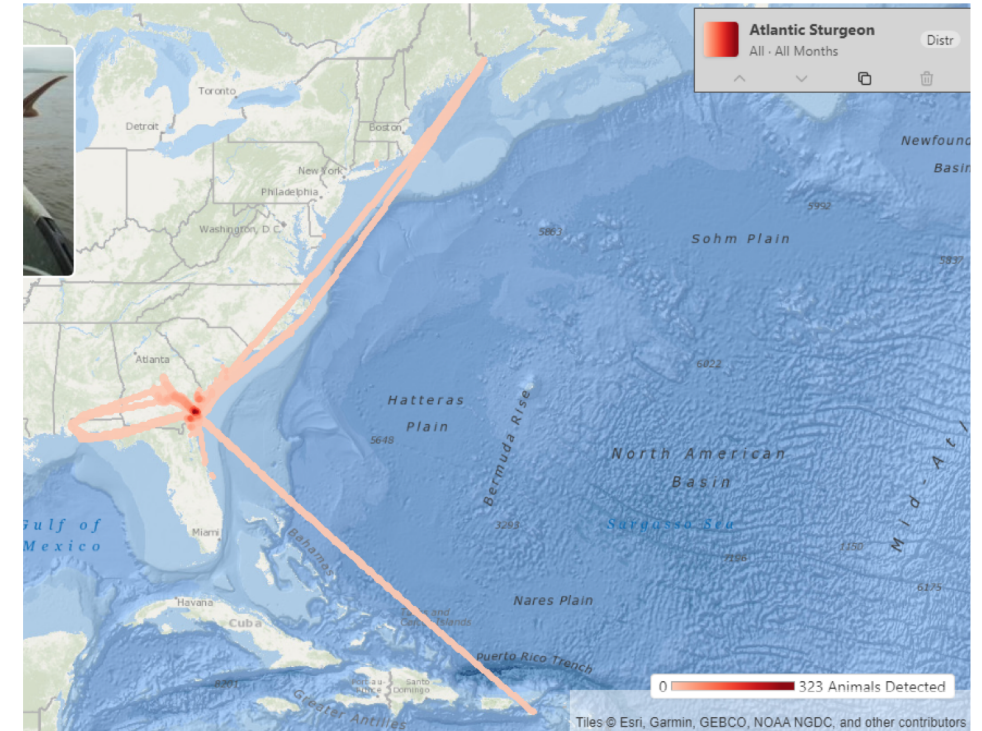
Challenges and Looking Ahead

Challenges:

- Increasing need for species-level quality control rules integrated at the data processing stage.
- Understaffed to fully seize new growth opportunities.

Looking ahead:

- Maintain current programs including data aggregation.
- New partnerships with stakeholders, specifically to support diversity and inclusion in the acoustic telemetry community.



Snapshot of Atlantic Sturgeon distribution showing false detections in Canada and St. Croix.

Georgia's Coastal Receiver Array

- Starting in 2018, Georgia's Coastal Receiver Array was funded by ATN-SECOORA to support the continued operation of telemetry infrastructure off Georgia's coast.
- The array consisted of 24 acoustic receivers deployed from 1-24 miles offshore to track the movement of marine animals tagged with Innovasea® telemetry tags.
- All telemetry data is shared within the research community via the FACT-SECOORA Data Node.
- Data from this project are providing new and exciting discoveries in the movements and migrations of marine animals.
- To date, 569 individual tagged animals representing 23 different species have been detected, matched, and shared with over 46 different research groups from 10 different state, federal, and non-governmental organizations.

