

SECOORA

Southeast Coastal Ocean Observing Regional Association

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www.secoora.org

US Integrated Ocean Observing System



SECOORA - the southeast regional coastal observing system in NOAA led U.S. IOOS®

- 17 Federal agencies
- 11 regional associations (RAs)

SECOORA Members



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL



UNIVERSITY OF
SOUTH CAROLINA
Arnold School of Public Health



UNIVERSITY OF
SOUTH CAROLINA
College of Arts and Sciences



Southeast, Gulf of Mexico,
and Caribbean Region of
the Office of the National
Marine Sanctuaries



Hydromet



Certification & Data Management



SECOORA meets federal standards for:

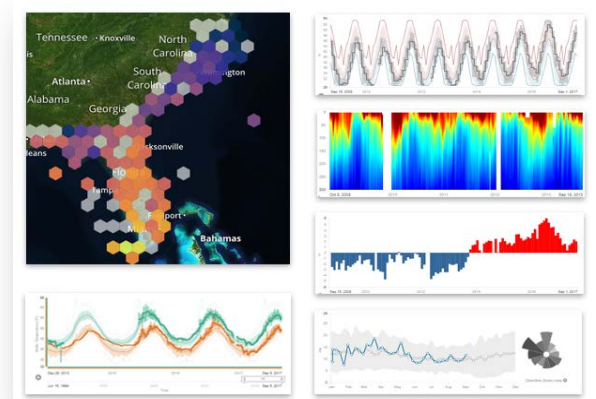
- Data gathering
- Data management
- Long-term archiving

Operate:

- inclusively
- transparently
- solicit input

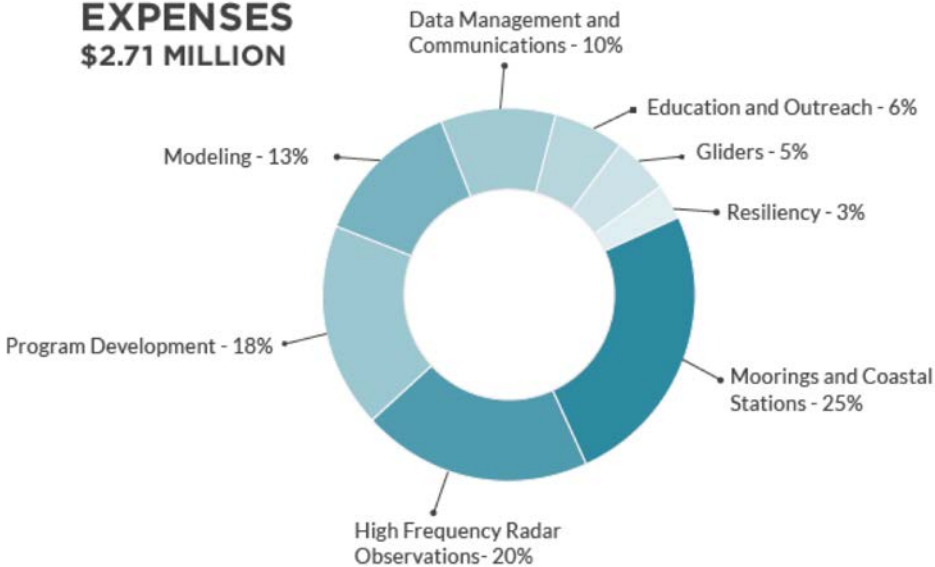


Axiom Data Science maintains SECOORA's data management system, data catalog, and data portal. Axiom data management systems are highly redundant to assure data are always available.

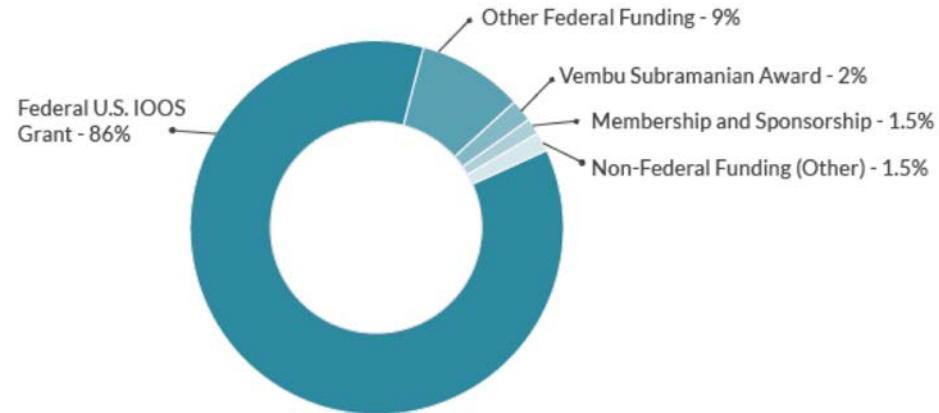


Annual Investment (2017)

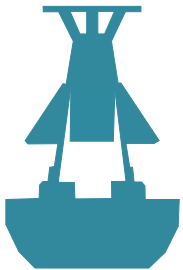
EXPENSES \$2.71 MILLION



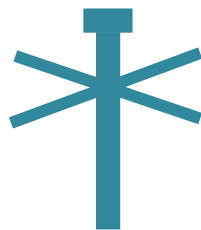
INCOME \$2.8 MILLION



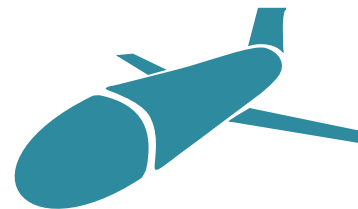
73% of budget is for observing, modeling and data management



25%: Buoys & Coastal Stations



20%: High Frequency Radars



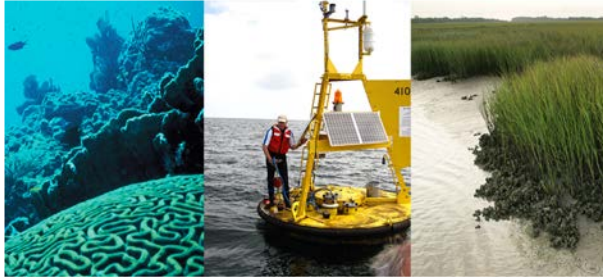
5%: Glider Observatory



23%: Data Management / Products and modeling

Affiliated Programs

Southeast Ocean and Coastal Acidification Network (SOCAN)



SOCAN is an interdisciplinary network of scientists, resource managers, and industry, non-profit, and government representatives dedicated to supporting and encouraging discussions on ocean and coastal acidification in the Southeast.

Southeast Disaster Recovery Partnership (SDRP)



SDRP was established to strengthen the ability of the Southeast's coastal economy and environment to recover from the next coastal storm.

FACT Network



The FACT Network is a grassroots collaboration of marine scientists using acoustic telemetry and other technologies to better understand and conserve our region's important fish and sea turtle species.

WebCAT

- Observing infrastructure
 - Cost
- User demand
 - Model validation
- Opportunity
 - NOAA NOS Stimulus
- Member expertise
 - Surfline
- Mission
 - Observe
 - Partner
 - User / stakeholder need
 - Data accessibility
- Capability
 - Regional convener & facilitator
 - Data management (Axiom)

Thanks to our funders: NOAA National Ocean Service and IOOS

WebCAT

work·shop

/ˈwɜrk,SHäp/ 

noun

1. a room or building in which goods are manufactured or repaired.

synonyms: workroom, studio, atelier; [More](#)

2. a meeting at which a group of people engage in intensive discussion and activity on a particular subject or project.

synonyms: study group, discussion group, seminar, class; support group
"a workshop on combating stress"

Outcomes:

- Sharing
- Learning
- Decisions

Project Budget:

- \$45k webcam installation & maintenance
- \$10k data management
- \$15k workshop

SECOORA Data Challenge – 2017 Winners

Undergraduate Category



SPLASSH into OA (Ocean Acidification) with SECOORA's pH Data

John Mwaniki,
Computer Science, KSU

Graduate Category



The Economics and Spatial Flexibility of Fisheries and Recreational Water Operations in Biscayne Bay, Florida

Samantha Dowdell,
University of Miami

Other Category



Development of a 5-Year Daily, Cloud-Free Sea Surface Temperature (SST) and Chlorophyll-a Reconstruction Dataset Using the Data Interpolating Empirical Orthogonal Functions (DINEOF) Method

Joseph B. Zambon, Ph.D.



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