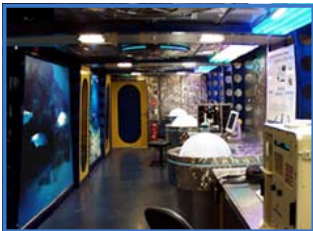


Overview

The SouthEast Atlantic Coastal Ocean Observing System (SEACOOS) is a regional partnership that has initiated an integrated coastal ocean observing system for a four-state region of the southeast U.S. The founding institutions are research universities within the region, while members include state and federal agencies.

Aligning itself with the larger interests of the Integrated Ocean Observing System (IOOS), SEACOOS endeavors to significantly increase the quantity and quality of environmental information that is needed to address critical scientific problems and societal issues including:

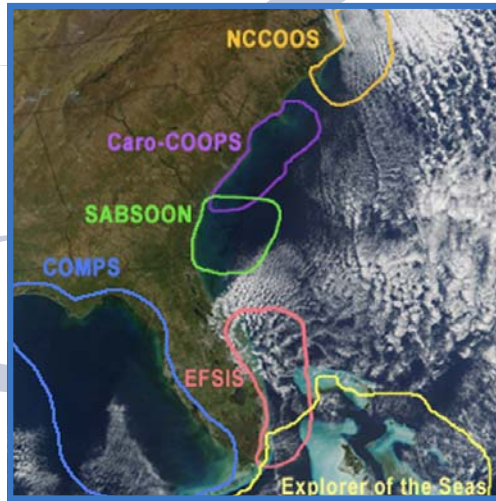
- commercial, military and recreational maritime operations
- K-16 and public education
- safety
- weather prediction
- public health related to waste disposal and harmful algal blooms
- shore erosion
- fisheries management



Oceanography lab

Partners and Affiliates

SEACOOS brings together many organizations with a vested interest in improved oceanographic information in order to insure that the observing system can best address the needs and concerns of the larger coastal community. A current list of partners and affiliates can be found at www.seacoos.org.



SEACOOS Data Providers

Additional SEACOOS Information

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SouthEast Atlantic Coastal Ocean Observing System

Reliable coastal information for people who live, work, and play in the southeast U.S.



www.seacoos.org

Where it comes together

The aim of SEACOOS is to build an information system that collects, integrates, and disseminates observations and predictions of the state of the coastal ocean to provide continuous, reliable information on the coastal oceans.

The central dissemination mechanism for SEACOOS activity is the website, which

- provides near real-time data in an interactive format for the entire Southeast region.
- merges observational data and models from SEACOOS partners.
- works to foster an e-community for the coastal region of the Southeastern United States.



seacoos.org Home Page

Components – to fulfill its mission, SEACOOS has four functioning parts.

Observation

Making the measurements

Every ocean observing system depends upon the actual equipment in the field – and SEACOOS has plenty.



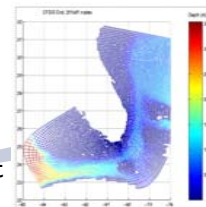
Sensor Platform

- *in situ* moored and drifting sensing systems
- coastal and offshore instrumented installations
- remote sensing from satellites and aircraft
- shore-based remote sensing of surface current

Modeling

Making sense of it all

The Modeling group creates visual products by running computer models. The models merge different data sets into integrated regional maps that provide nowcasts and forecasts out to 84 hours. SEACOOS currently provides these models for



Bathymetry model

- sea surface height
- surface currents

The SEACOOS models provide SEACOOS users with accessible and comprehensible interpretations of the data.

Information Management

Keeping things running

Advanced server technology allows researchers and modelers to access the individual data files in real-time, making the SEACOOS network a “one stop” data source for all available environmental measurements in the SEACOOS region.

But the information management team does not stop there. Using

- the World Wide Web
- the latest in data server technology
- database population techniques
- presentation graphics

SEACOOS makes this information available to the community at large in an innovative, graphic format online.

Outreach & Education

What's it to me?

The Outreach and Education group works to extend and enhance a steady dialog between the disparate parts of the SEACOOS system and the end-users. The group works closely with



Education session

- Sea Grant Programs of each state
- educators at every level

to increase the public's awareness of SEACOOS and to improve information products according to the needs and concerns of existing users.