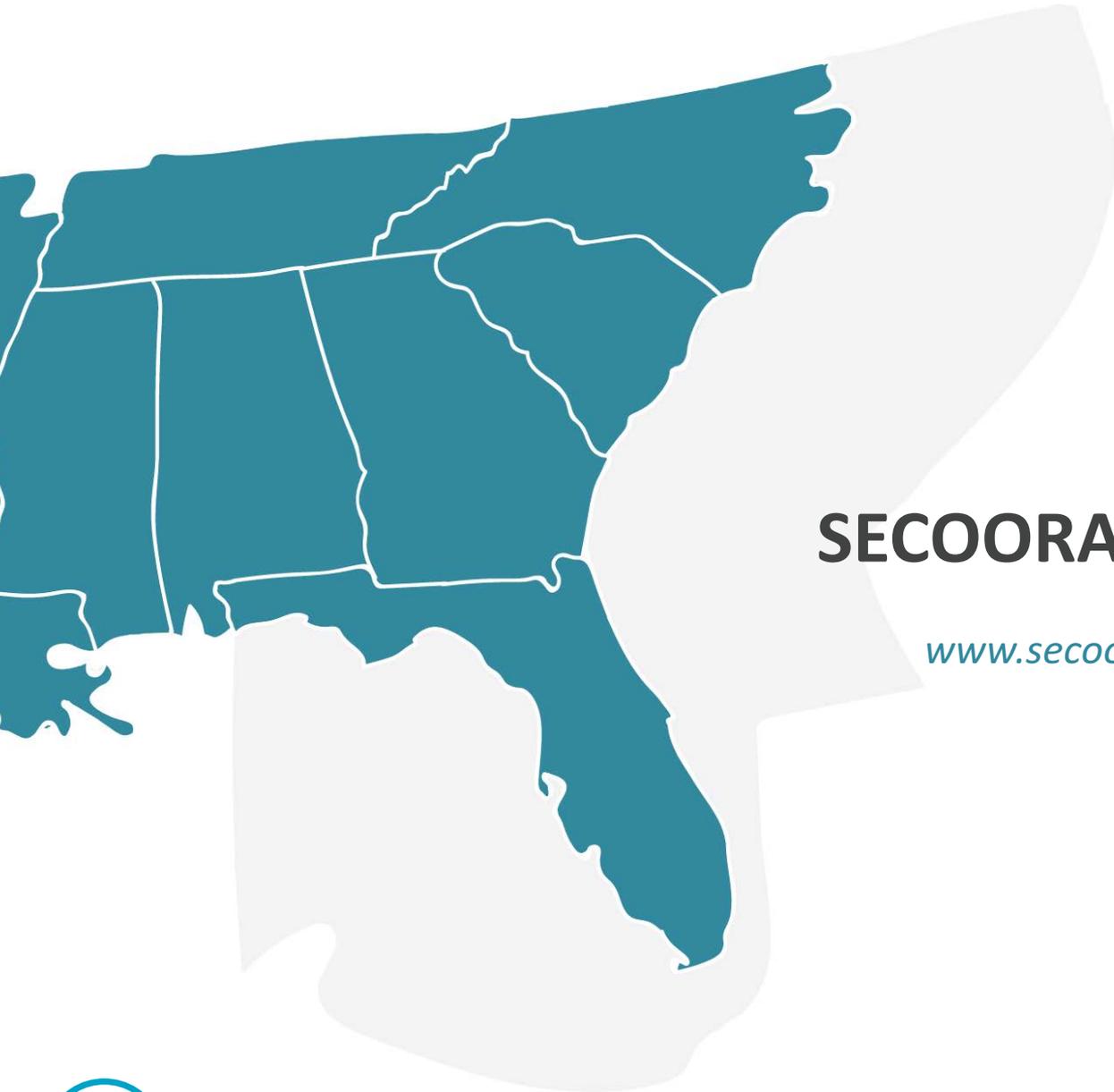




SECOORA

Southeast Coastal Ocean Observing
Regional Association



SECOORA Data Challenge

www.secoora.org/data-challenge



www.secoora.org

Outline

- SECOORA's Mission
- Overview of Data Challenge
- Focus of Proposal/ Project
- Categories, Prizes and Eligibility
- SECOORA Data Portal
- Proposal Package and Template
- Evaluation Criteria and Timeline
- How to Enter

The background image shows the deck of a research vessel. There are several large yellow pieces of equipment, possibly buoys or floats, being handled. Crew members in safety gear are visible, and the ocean is in the background. The entire image has a blue-green color overlay.

SECOORA's MISSION

Observe, understand, and increase awareness of our coastal ocean - promoting knowledge, economic and environmental health through strong regional partnerships.

www.secoora.org

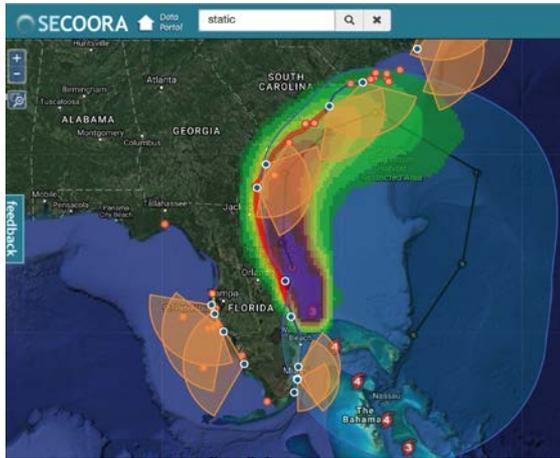
Overview

SECOORA is seeking undergraduate and graduate students and the public to submit a proposal that utilizes existing open southeast coastal and ocean data to develop:

- innovative data visualizations,
- apps,
- products or
- data synthesis applications that support communities and stakeholders.

The winning projects will be featured on secoora.org

Overview Continued



One of SECOORA's main goals is to integrate a variety of coastal ocean data – biological, physical and more – to meet the needs of users, or our stakeholders.

SECOORA is looking to you to help us build on this goal and tell a data story.

Focus of Proposal/ Project

The proposed project should focus on providing communities, recreational users, surfers, fishers, natural resource managers or other information users with innovative methods to access and visualize data in the Southeast. Applicants should use publically available data to develop a project proposal that supports one or more of SECOORA's theme areas:



Ecosystems, Living Marine Resources and Water Quality

- Fish
- Water quality, including beach advisories and harmful algae blooms



Coastal Hazards

- Inundation
- Rip Currents



Marine Operations

- Safety, including support of Search and Rescue operations
- Marine Weather Forecasting
- Offshore Energy



Climate Variability

- Long-term data collection and analysis
- Ocean Acidification

Challenge Goals

- Inspire a broad audience to engage with SECOORA
- Use technologies, tools, videos and creativity to visualize, analyze and use Southeast coastal and ocean data
- Encourage the use of data resources available from SECOORA
- Encourage students and young professionals to develop competitive proposals

Categories, Prizes and Eligibility

Categories/ Prizes

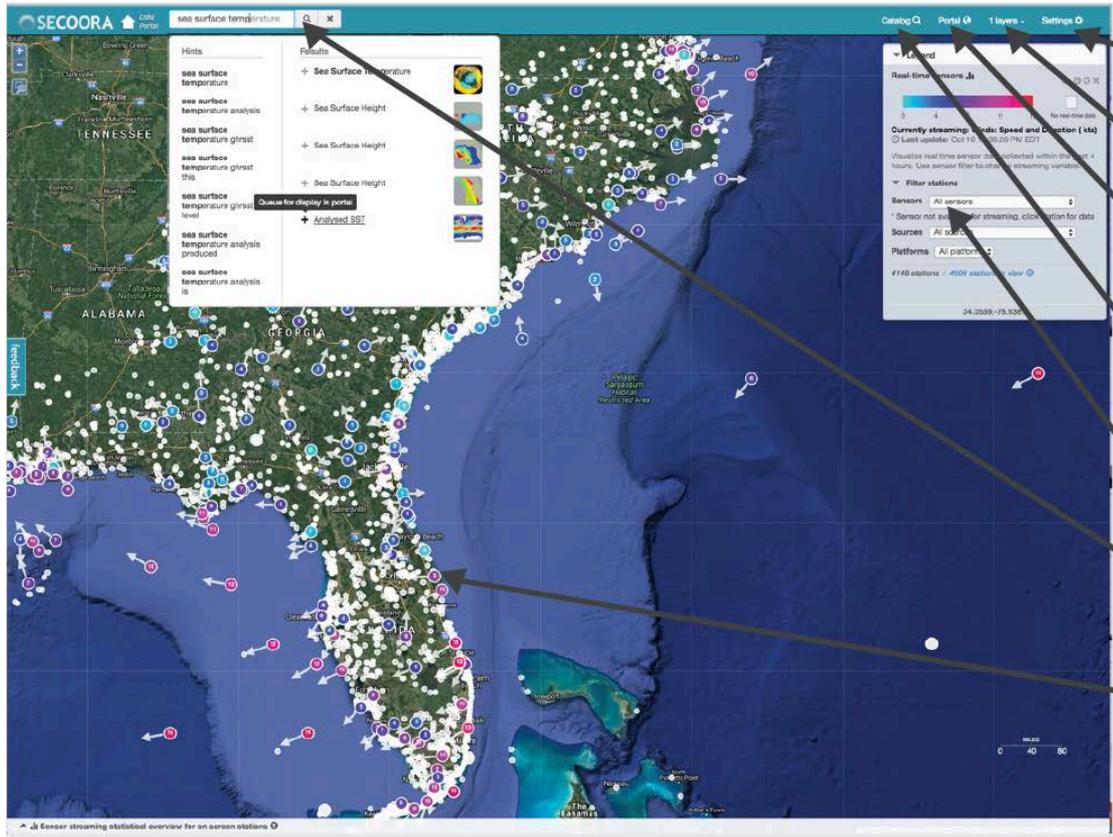
Three categories levels: Undergraduate, Graduate and Other

Each category will receive \$2,500 prize

Eligibility

Eligibility varies for each category. Individuals or teams can respond to this challenge. Individuals and team members (if applicable) must currently reside in the United States.

- Undergraduate Category: 1) undergraduate student, 2) have an Advisor/ mentor, and 3) the project must utilize at least one dataset downloaded from the SECOORA Data Catalog: <http://bit.ly/2eT1wA9>
- Graduate Category: 1) graduate student, 2) have an Advisor/ mentor, and 3) the project must utilize at least one dataset downloaded from the SECOORA Data Catalog: <http://bit.ly/2eT1wA9>
- Other Category: 1) The project must utilize at least one dataset downloaded from the SECOORA Data Catalog: <http://bit.ly/2eT1wA9>



Change unit and base map

See layers in portal view

Access portal

Quick access to the catalog to search for data to download or add layers to the portal

Choose sensor display

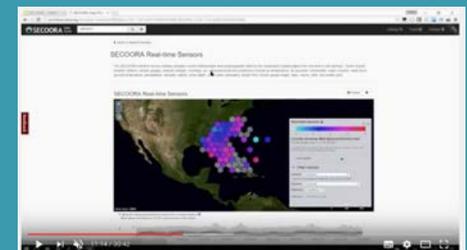
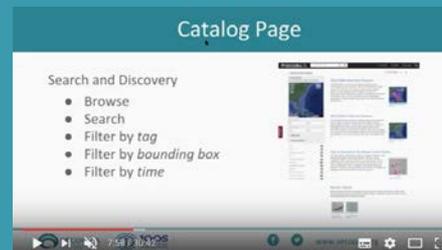
Search the data catalog to add layers to portal or download data

Click on sensor to view data

YouTube Tutorial

Published May 13, 2016

<https://youtu.be/DwA3svLWlzw?t=6m2s>



Proposal Package and Template

Proposals must follow the required proposal format. Proposals that do not follow the required format will not be evaluated. Maximum page length is 5 pages (does not include appendices). Text should be 12-point font, and all margins 1-inch (Access here: <http://secoora.org/data-challenge>)

Template

- Title Page (Proposal Cover Sheet) is limited to 1 page and must include:
 - Proposal Title
 - Principal Investigator and complete contact information
 - Team/Co- Principal Investigators, if any, and complete contact information.
 - Advisor name and contact information (i.e. professor supervising work) (ONLY FOR UNDERGRADUATE AND GRADUATE CATEGORIES)
 - Project summary (1 paragraph)
- Project Description is limited to 4 pages and must include:
 - Statement of the issue to be addressed
 - Description of the product or tool that will be developed
 - Goals, objectives and anticipated results
 - Identify the SECOORA theme area(s) the proposal meets, how the project will benefit the SECOORA region, and identify specific users (stakeholders) of the results of the project
- Methodology or approach, including:
 - Explanation of the technical approach
 - Data analysis and/or visualization techniques that will be employed
 - Dataset(s) from the SECOORA Data Catalog that will be used
 - Additional data that will be collected or used for the project
- Identify how the product or tool will benefit the target audience.
- Appendix 1: Gantt Chart or something similar that outlines the objectives you need to meet to complete your project by the December 31, 2018 deadline. (1 page maximum)
- Appendix 2: For student submissions, a letter from your academic advisor or graduate/undergraduate director that you are a student in good standing.
- Appendix 3: One-page resume or curriculum vitae (CV) of Lead Principal Investigator. If working in a team, please provide the one-page resume or CV of all team members/ co-Principal Investigators.
- Appendix 4: For student submissions only, one page resume of advisor or mentor.

Evaluation Criteria

Evaluation criteria is the same for ALL categories.

Creativity and Innovation – 25%

Value to the Southeast Coastal Ocean Observing System – 25%

Technology/Science Merit – 20%

Methodology – 20%

Follows Proposal Guidelines – 10%

Timeline

January 19, 2018: At 12 PM ET join us for a SECOORA Data Challenge Kick Off Webinar. [Register by clicking here.](#)

March 13, 2018: Register for the Data Challenge by clicking [here](#). This part is optional, but encouraged. If you do sign up, deadline reminders and a FAQ will be shared with the Lead Principal Investigator.

April 13, 2018: All proposals are due via email to Abbey Wakely at abbey@secoora.org by 5:00 PM ET, with the subject title: [Undergraduate or Graduate or Other] SECOORA Data Challenge Proposal.

April 13 – May 4, 2018: Proposal review period. Lead Principal Investigators may be contacted and asked to discuss their project with judges on a webinar.

April 4, 2018: Winners are notified.

May 4, 2018: Winners announced at SECOORA 2018 Annual Meeting.

December 31, 2018: Full projects are completed. Final product deliverables are submitted to SECOORA and include the product/application and all appropriate documentation. The use of open source software is encouraged, and all final products should allow for unrestricted distribution on the SECOORA website by January 31, 2019.

How to Enter and Questions

January 19, 2018: At 12 PM ET join us for a SECOORA Data Challenge Kick Off Webinar. [Register by clicking here.](#)

March 13, 2018: Register for the Data Challenge by clicking [here](#). This part is optional, but encouraged. If you do sign up, deadline reminders and a FAQ will be shared with the Lead Principal Investigator.

Questions about any aspect of your project may be submitted to abbey@secoora.org by **March 13, 2018**. Good-faith efforts will be made to answer as many questions as possible, but an answer is not guaranteed for every question.

All proposals are due on April 13. Emailed to abbey@secoora.org, with the subject title: [Undergraduate or Graduate or Other] SECOORA Data Challenge Proposal.

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