

SECOORA Business Meeting

May 18, 2020

Everyone is in listen only mode.

SECOORA Annual Meeting



www.secoora.org



SECOORA
Southeast Coastal Ocean Observing
Regional Association



IOOS
Integrated Ocean
Observing System

Overview of Technology

Brett Burk, Burk and
Associates, Inc.



Agenda

- | | |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11:30 – 11:40 AM | Welcome - Rick DeVoe, SECOORA Chair |
| 11:40 – 12:00 PM | Updates from SECOORA - Debra Hernandez and Jennifer Dorton, SECOORA |
| 12:00 – 12:20 PM | Updates from IOOS - Carl Gouldman, US IOOS |
| 12:20 – 12:40 PM | Updates from IOOS Association - Josie Quintrell, IOOS Association |
| 12:40 – 12:55 PM | SECOORA Members Business Meeting <ul style="list-style-type: none">• Voting results<ul style="list-style-type: none">• FY 21 Budget• 2020 Board of Directors (Voting Results)
Rick DeVoe, SECOORA Chair• Board Member Recognition
Rick DeVoe, SECOORA Chair• SECOORA Committee Updates<ul style="list-style-type: none">• Education and Outreach - Dwayne Porter, Committee Chair• Science Committee - Nick Shay, Committee Chair• Finance and Audit Committee Update - Quinton White, Committee Chair• Executive Committee - Rick DeVoe, Board Chair |
| 12:55 – 1:00 PM | Adjourn Meeting |

Updates from SECOORA

Debra Hernandez,
SECOORA Executive Director

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Southeast Coastal Ocean Observing
Regional Association



IOOS
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SECOORA Strategic Plan 2016-2021

MISSION

SECOORA's mission is to observe, understand, and increase awareness of our coastal ocean; promoting knowledge, economic and environmental health through strong regional partnerships.

5 YEAR VISION

SECOORA is the recognized leader, valued partner, and go to source for coastal ocean information in the southeast.

CORE VALUES

We believe in...



Scientific integrity,
technical excellence,
and innovation



**Inclusive and collaborative
partnerships**



**Active stewardship of
coastal ocean ecosystems**



**Leadership in coastal
ocean science**



**Accessible useful information
for addressing societal needs**



**Science based discovery and
decision-making**



**Positive and supportive
SECOORA working
environments**

STRATEGIC GOALS

1 Increase exposure and broaden usage of SECOORA's information and products

Strategies:

- Improve web-based information system and web presence.
- Provide state of the art tools, including phone apps, data analysis tools and decision support tools, and information on how to use the tools
- Implement an effective outreach strategy to reach priority user groups, such as mariners, fisheries managers, marine planners, etc.

2 Utilize a prioritized science-justified ocean observing system plan to guide and inform decision making and implementation

Strategies:

- Regularly review status of Coastal Ocean Observing System technologies and advancements
- Develop agreement on the Regional Coastal Ocean Observing System Plan utilizing existing proposal, plans and documents
- Utilize the RCOOS plan for funding opportunities

3 Expand partnerships – including membership and stakeholders

Strategies:

- Outreach to currently under-represented sectors to participate in SECOORA activities and initiatives
- Develop new services, and better market current services, including benefits for members
- Identify and promote opportunities for potential partners (non-members) to engage in SECOORA activities and initiatives

4 Engage and inform students and the public in ocean observing

Strategies:

- Support citizen-science opportunities
- Engage students in problem solving using ocean observing data
- Establish our researchers and program managers as resources for students and the general public
- Identify and pursue cooperative educational funding opportunities

5 Improve SECOORA's organization capabilities

Strategies:

- Expand & diversify funding that advances SECOORA's mission
- Ensure SECOORA's operational & governance structure enables us to achieve our vision
- Have an effective marketing and out-reach strategy
- Ensure effective implementation of all grants, including the IOOS grant

GOAL 1 - Increase Exposure and Broaden Usage of SECOORA's Information and Products

Time Period: June 1, 2019 to May 31, 2020 (incomplete)

8 WEBINARS

416 People Attended ↑ 16%
794 People Registered ↑ 38%
683 People on Listserv ↑ 49%

DATA PORTAL

9,605 Sessions ↓ 14%
4,425 Users ↓ 16%
1 Feedback Sessions

WEBSITE

69,379 Sessions ↑ 35%
57,489 Users ↑ 39 %
31 News Stories ↓ 18%

SOCIAL MEDIA



↑ 16%

753 Twitter Followers



↑ 22%

552 Facebook Likes

Data Portal Referrals ↓ 28%
Website Referrals ↑ 11%

MISCELLANEOUS

1 Public Forum in North Carolina
6 Emails to Newsletter Listserv
1,130 Contacts on Newsletter Listserv
36% Average Newsletter Open Rate

DRAFT

GOAL 2 - Utilize a Prioritized Science-Justified Ocean Observing System Plan to Guide and Inform Decision Making and Implementation

Time Period: June 1, 2019 to May 31, 2020 (incomplete)


SCIENCE MEETINGS

4 Sponsored Meetings

OBSERVING PLANS

Final RCOOS Plan Released

BY THE NUMBERS

20 

HF Radars

13

Buoys



6

Coastal
Stations



143

Glider Days at Sea

6

Models and
Applications



DRAFT

GOAL 3 - Expand Partnerships – including membership and stakeholders

Time Period: June 1, 2019 to May 31, 2020 (incomplete)

MEMBERSHIP

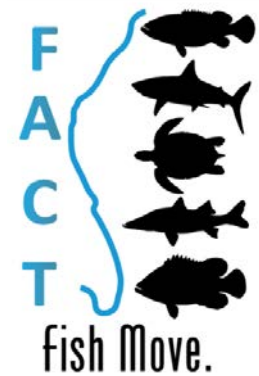
No New Members Joined
39 SECOORA Members



FACT Network

6,434 Pageviews ↑ 44%
1 Foundation Grant
1 Data Manager

<http://secoora.org/fact>



SOCAN

1,220 Sessions ↑ 24%
1 South Carolina Webpage
New Coordinator

socan.secoora.org



SCDRP

1,301 Pageviews (Started collecting data Dec 2019)
1 In Person Meeting
1 New Coordinator
Draft Strategic Plan

scdrp.secoora.org



SOUTHEAST & CARIBBEAN
DISASTER RESILIENCE
PARTNERSHIP

DRAFT

Supporting Regional Networks

SECOORA and the FACT Network



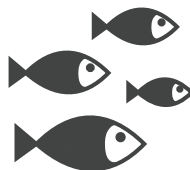
Acoustic receivers on
4 SECOORA moorings and 2
gliders to record tagged fish

Hosts and assist in management of
the FACT Network Data system and
website.



SECOORA / FACT
partners maintain
30 temperature sensors

1 pilot project visualizing fish detection
data with ecosystem data to to better
understand fish movement patterns



Photograph by Paul Nicklen

Learn more about the **FACT**
Network by Webinar



Supporting Regional Networks and Projects



**Regional Ocean
Data Sharing:
Southeast Sand
Resources Project**

GOAL 4 - Engage and inform students and the public in ocean observing

Time Period: June 1, 2019 to May 31, 2020 (incomplete)

VEMBU SUBRAMANIAN AWARD

3 People Applied for the Award
\$2,500 Opportunity



E&O COMMITTEE + STUDENT OUTREACH

1 Science Festival with GCOOS
4 Field Trips to a Coastal Station in FL
3 Student Awards Released
Budget Passed
4 Part SLR Curriculum Webinar Series
\$12,800 Raised for Grad Student Award



EXTREME EVENT

Eyes on the Storm Logo
1 Webinar on Hurricane Gliders
Top 4 Hurricane Resources Story
1 Data Page – Hurricane Dorian



1 INFOGRAPHIC

One pagers for Each State

DATA CHALLENGE

1 Submission
2 Awards of \$3,500
Expands HFR Data Use



DRAFT

GOAL 5 - Improve SECOORA's Organizational Capabilities

Time Period: June 1, 2019 to May 31, 2020 (incomplete)



CONGRESSIONAL

20 In Person Congressional Meetings with Staffers
6 In Person Meetings with NOAA Leadership
Constant Engagement During Extreme Events

ADMINISTRATION

Audit completed
2 IOOS Progress Reports Submitted
12 Hurricane supplemental progress
reports submitted
1 IOOS Descope Completed
New accountant

PROPOSALS

8 Proposals Submitted
Preparing for FY 2021 IOOS FFO

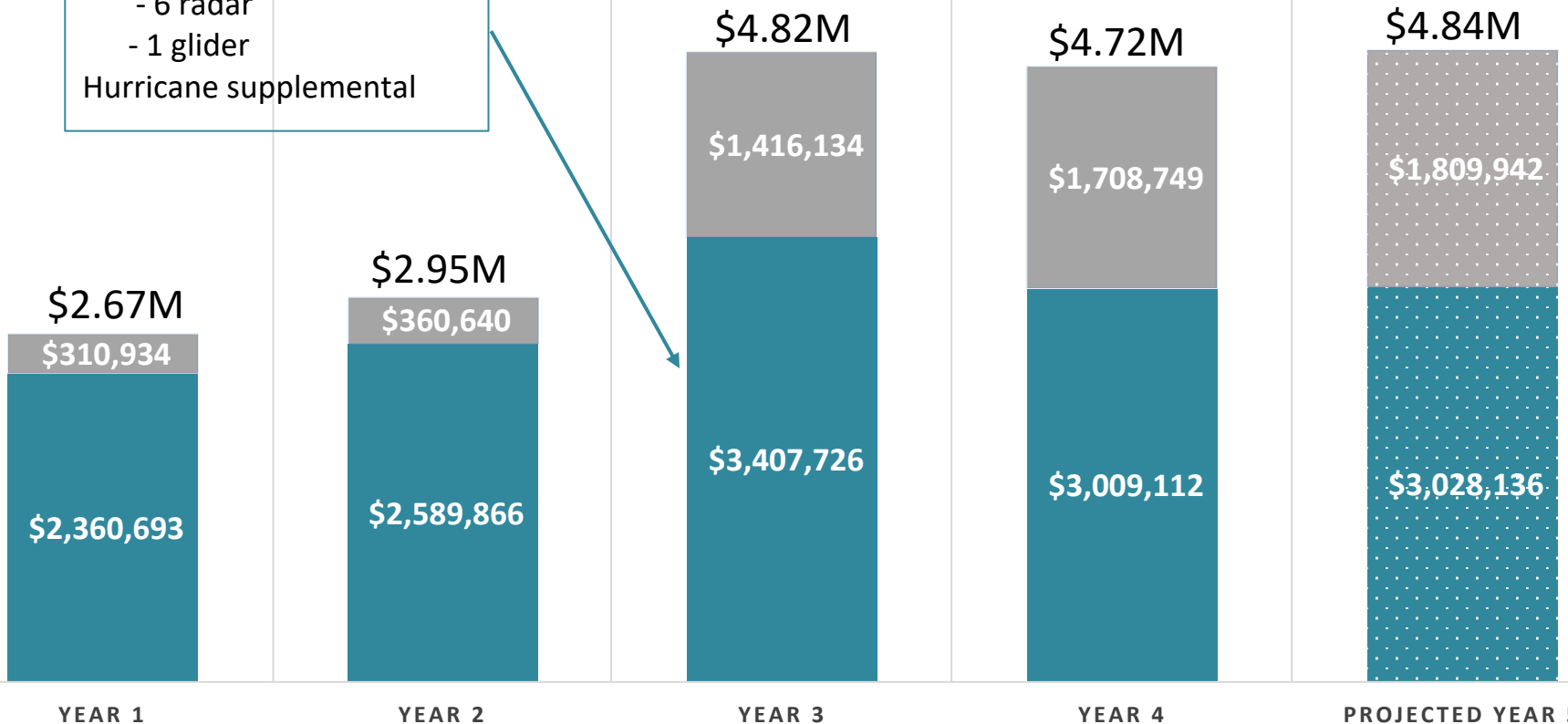
DRAFT

Total Funding FY16-FY21

OVERALL TRENDS

■ IOOS Core ■ Other Funding

Capitol purchases:
- 6 radar
- 1 glider
Hurricane supplemental



Leading to Results



New Underwater Autonomous Glider
First SECOORA owned asset



**1 Mini Proposal ... and many new
acoustic and environmental sensors**



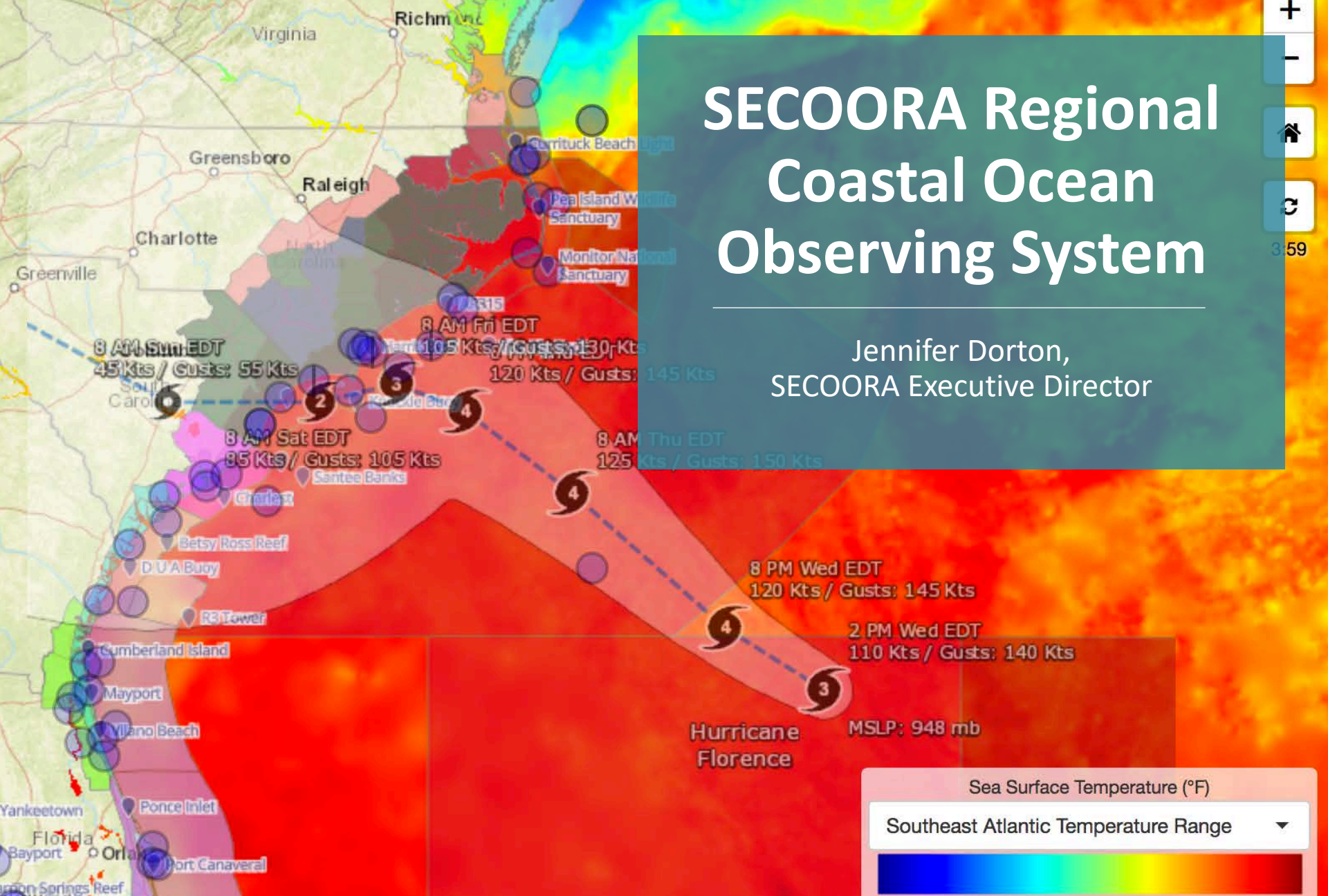
6 New High Frequency Radar
System growing by 53%



Regional Coastal Ocean Observing System Plan

SECOORA Regional Coastal Ocean Observing System

Jennifer Dorton,
SECOORA Executive Director



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Image: FACT Network

THE CURTIS & EDITH MUNSON FOUNDATION

Growing the System with Foundation Support

Munson Foundation

\$15,000 Grant

- Working with FACT Network
- Collocating bottom temperature loggers at acoustic receiver locations
- Incorporating data in SECOORA

Matching Support

\$12,800 donated

\$2,516 in-kind support

- Fundraising campaign to support a graduate student
- \$12,800 opportunity

2019 Student Opportunities

2019 Vembu Subramanian Ocean Scholar



Kelsey Johnson-Sapp

University of Miami Rosenstiel School
of Marine and Atmospheric Science

Presenting at the International Coral
Reef Symposium in Germany

2019 Data Challenge Web Camera Data



Category 1 – Undergraduate

Using Webcams to Capture Timing
and Duration of Dune Erosion Events

Deanna Edwing and Kelsea Edwing,
University of North Carolina
Wilmington



Category 2 – Other

A Tool to Remotely Calibrate
Coastal Web Cameras

Matthew Conlin,
University of Florida

Regional Coastal Ocean Observing System Updates

27 Principal Investigators



Data Management and
Communications



Product
Development



Observing

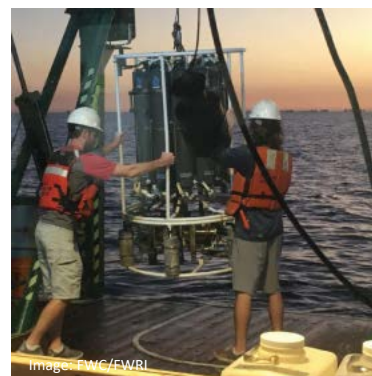


Modeling

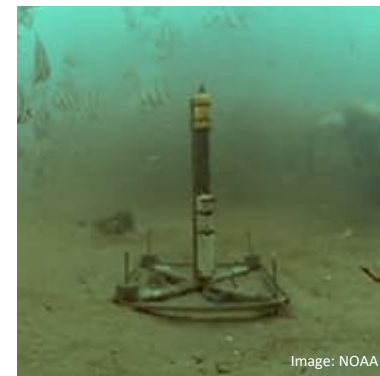


Education and
Outreach

New Starts in Year 3 and Year 4



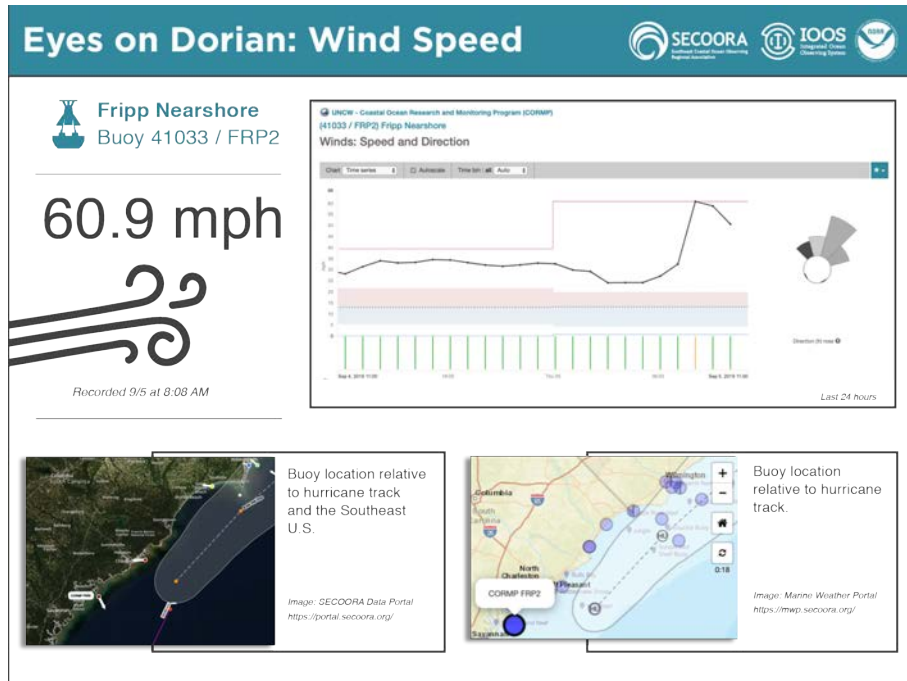
Filling Gaps in
Harmful Algal
Bloom Research in
the Gulf of Mexico



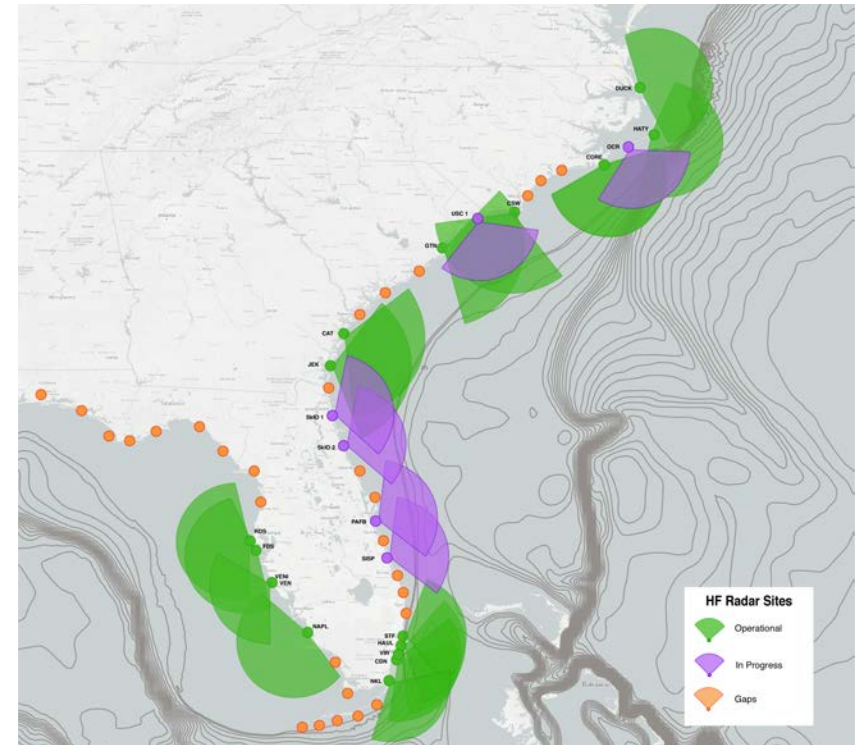
Developing
Machine-Learning
Methods to Quickly
Classify Underwater
Soundscapes

Regional Coastal Ocean Observing System Updates

Hurricane Dorian



New High Frequency Radar

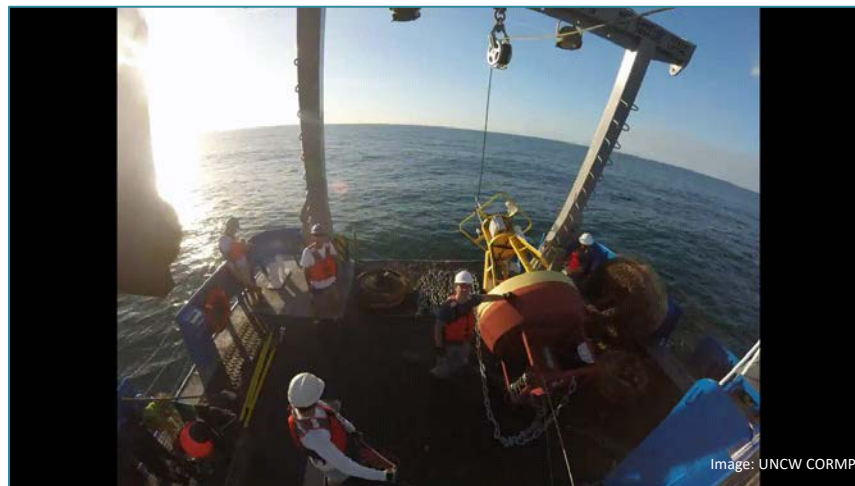


RCOOS COVID-19 Impacts

Reporting COVID impacts to the IOOS office

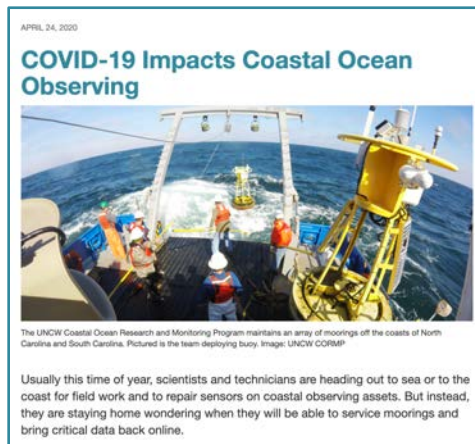
In Situ Impacts

- Ship access
- Travel
- Site access
- Instrument calibrations
- Permitting delays



Modeling, Glider, and DMAC

- Less impacted
- Glider instrument calibrations will be an issue soon



<https://secoora.org/covid-19-impacts-coastal-ocean-observing/>

Updates from IOOS

Carl Gouldman, US IOOS

PACIFIC OCEAN

PacIOOS



CENCOOS



SCCOOS



NANOOS



GLOS



NERACOOS



MARACOOS



SECOORA



GCOOS

ATLANTIC OCEAN



CariCOOS



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Updates from IOOS Association

Josie Quintrell, IOOS Association

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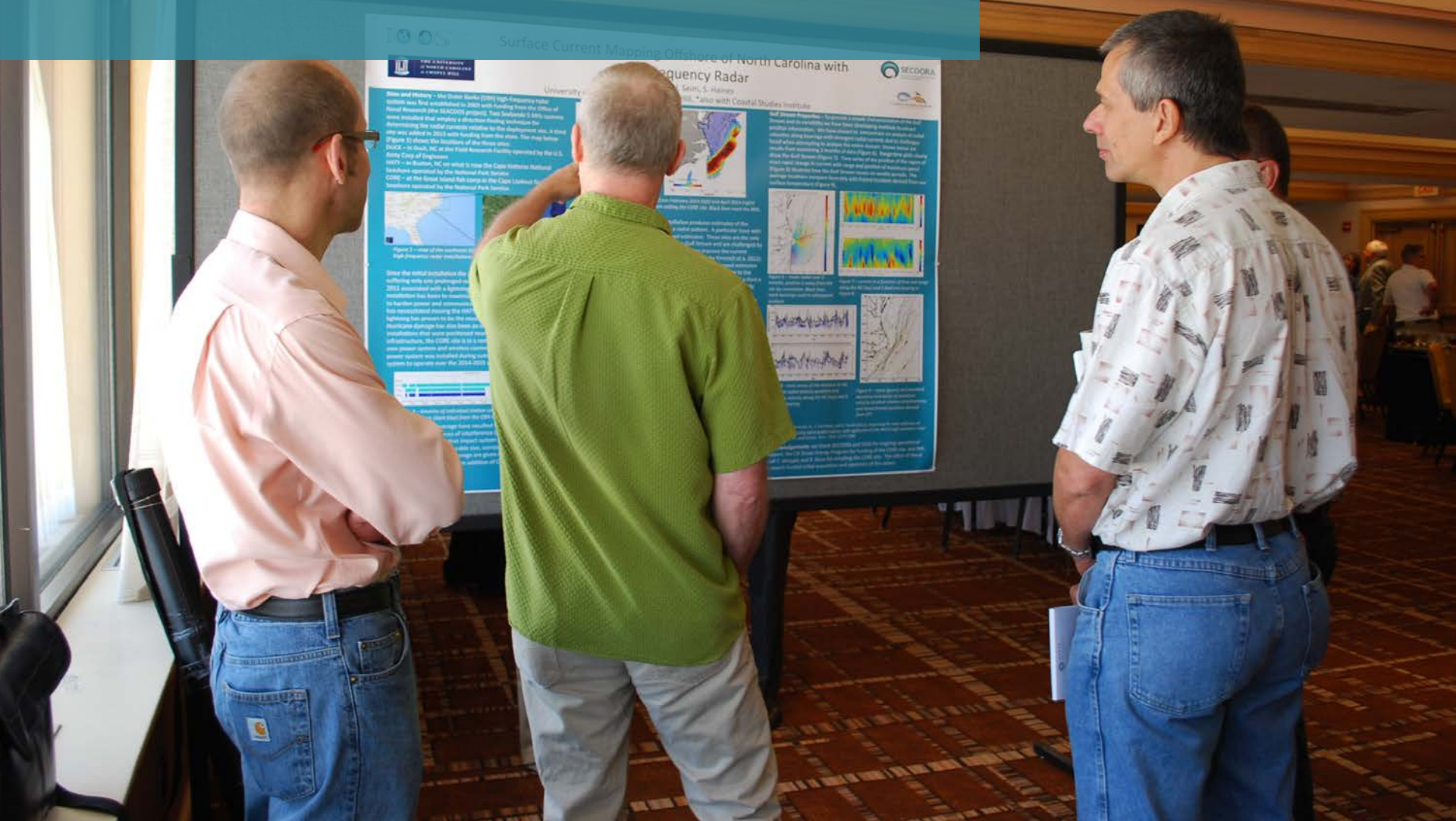


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Voting Results – FY 21 Budget



Icon made by Vectors Market from www.flaticon.com

Voting Result – Board of Directors

Institutional Member: Academic/ Research/ Education Sector

Gary Mitchum

University of South Florida

Institutional Member: Public Agencies/ Non-Profit/ Other Sector

Michael Crosby

Mote Marine Laboratory and Aquarium

THANK YOU
VERY MUCH!

Thank You Board Members!



Brendal Townsend
Ocean Tracking Network



Jim Murley
Miami-Dade County

Education and Outreach Committee

Dwayne Porter
E&O Committee Chair



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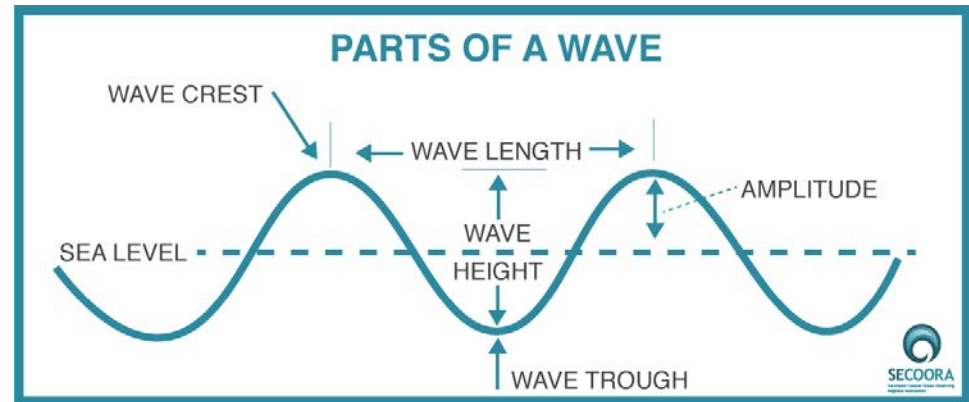


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Education and Outreach Committee

Members

- Dwayne Porter, University of South Carolina
- Melinda Simmons, Jacksonville University
- Lisa Adams, Scripps Institution of Oceanography Department
- EV Bell, South Carolina Sea Grant
- Mike Muglia, East Carolina University
- Michael Piehler, University of North Carolina Chapel Hill
- Lynn Leonard, University of North Carolina Wilmington



Accomplishments Since June 2019

- Passed FY 20 Spending Plan in November
 - Data Challenge - High Frequency Radar
 - Curriculum Request for Proposals
 - Student Support - Munson Foundation
 - Sponsorship and Outreach
- Smart Sea Level Sensor Curriculum Webinar Series



THREE STUDENT OPPORTUNITIES

\$22,000+ AVAILABLE IN PRIZES



Vembu Subramanian Ocean Scholars Award

Apply today for the Vembu Subramanian Ocean Scholars award! Do not miss the opportunity to receive \$2,500 in travel support to present your research at a conference.



Examine How Temperature Affects Fish Movement Patterns in South Florida

SECOORA and the FACT Network are partnering to sponsor a graduate student to examine how temperature affects fish movement patterns in south Florida marine ecosystems. The award value is \$12,800.



SECOORA 2020 Data Challenge: Using High Frequency Radar to Meet User Needs

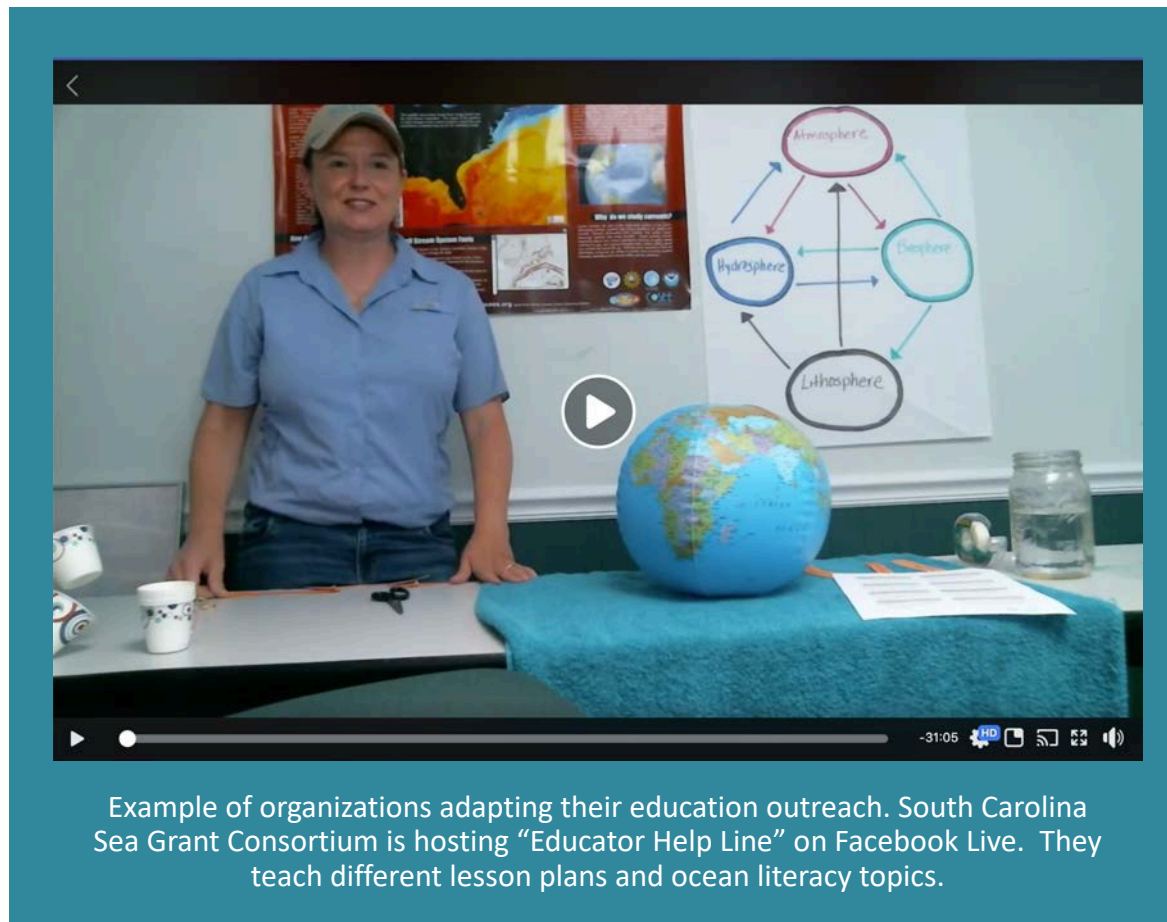
SECOORA is asking students and early career professionals to create tools that use archived SECOORA high frequency radar data. There are two \$3,500 prizes.

Proposals were due May 15, 2020

Curriculum Request for Proposals

\$8,500 Opportunity

- Due to the COVID-19 pandemic, there is a demand for high quality online curriculum
- Provide easy access to online K-12 marine science curricula and/or activities.
- Curriculum needs to be able to be implemented by parents, teachers and other educators.
- Due June 18, 2020



Science Committee Update

Nick Shay,
Science Committee Chair

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Science Committee Update

Members

Nick Shay, (UM RSMAS)	Chris Kalinowsky (GADNR)
Lynn Leonard (UNCW)	Nicole Elko (SC Beach Advocates)
Vince Lovko (Mote)	Tiffany Troxler (FIU)
Ruoying He (NCSU)	John McCombs (NOAA)
Lena Schulze (JU)	Gary Mitchum (USF CMS)
Bill Savidge (UGA)	

Update


- RCOOS Plan
 - Helped refine document
 - Review in Sept - Oct 2020
- Next Task: Developing program performance metrics for 2021-2026 NOAA IOOS award



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**Regional Coastal Ocean
Observing System Strategic
Operational Plan 2020 - 2025**

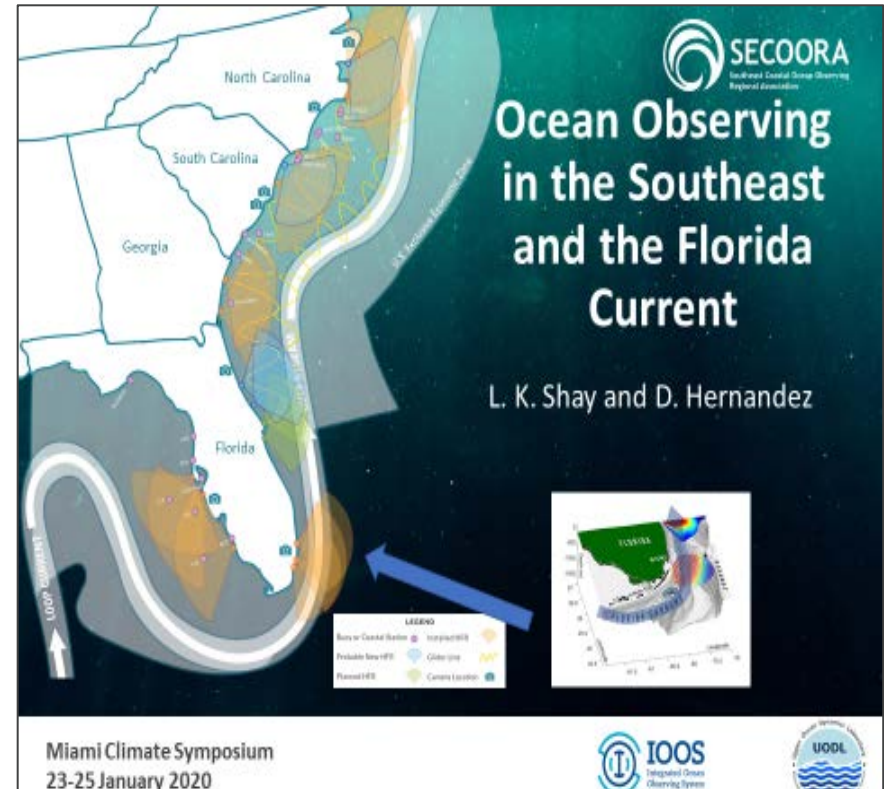
This document presents the Southeast Coastal Ocean Observing Regional Association (SECOORA) priorities for contributing to our improved understanding, management, and stewardship of valued coastal ocean resources. It will serve as a guide for future investments in SECOORA's regional coastal ocean observing system (RCOOS).



Science Committee Future Plans

Outreach / Inreach Activities

- Promote SECOORA science and technical accomplishments
- Provide technical review capacity
- Work with PIs to help frame the science/research within the context of the overall goals of SECOORA
- Assist with drafting and implementation of the SECOORA 2021 -2026 strategic plan



Finance and Committee Update

Quinton White,
Treasurer

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Finance & Audit Committee Report

F & A Committee Members:

- Quinton White (Treasurer)
- Conrad Lautenbacher
- George Maul
- Peter Hamilton
- Jeff Copeland



Finance & Audit Committee Report

- Held Quarterly Calls (Aug, Oct, Jan, Apr)
- Approved FY21 Budget
- Reviewed FY20 Audit
- Reviewed 990 IRS Form
- Treasurer Receives Monthly Financial Reports

Treasurer Report

FY21 Operating Budget

SECOORA Fiscal Year 2021 Operating Budget					
March 30, 2020					
Funds Under Management	Grant Period		Total Grant Amount	Operational Funds (portion of Total Grant for the year)	
	Start	End			Notes on Funds Under Management
4100 - Core Grant Revenue					
IOOS Yr 4	1-Jun-19	31-May-20	\$2,937,136	\$570,336	19%
IOOS Yr 5	1-Jun-20	31-May-21	\$2,937,136	\$570,336	19%
4600 - Membership Dues Revenue	1-Jul-08	31-Mar-20	\$565,929	\$212,608	38%
4900 - Other Revenue					Dues collected & expensed as of 3/31/20.
Hurricane Supplemental Funding: Repairs	1-Apr-19	31-Jan-21	\$1,014,265	\$20,877	2%
Hurricane Supplemental Funding: Coastal & Ocean Modeling	1-Apr-19	31-Jan-22	\$891,567	\$9,305	1%
Hurricane Supplemental Funding: Glider	1-Apr-19	31-Jan-21	\$210,924	\$2,841	1%
Animal Telemetry Network	1-Jun-20	31-May-21	\$75,000	\$0	0%
Regional Ocean Partnership	1-Jun-19	31-May-20	\$166,262	\$10,881	7%
Southeast Disaster Recovery Partnership Grant	1-Jun-19	31-May-20	\$110,000	\$7,000	6%
Caribbean International CPO (DOS)	1-Mar-20	31-May-21	\$663,396	\$20,092	3%
TOTAL REVENUE			\$9,571,615	\$1,424,276	15%
SECOORA's Fiscal Year (FY): 1 Jul thru 30 Jun	FY18 Revised Operating Budget Approved Oct. '17 F&A Committee	FY19 Operating Budget	FY19 Operating Budget - Revised April 2019	FY20 Operating Budget	FY21 Operating Budget
Revenue - Operational					
4100 - Core Grant Revenue					
4106AA - IOOS Yr 1	242,065	Closed	Closed	Closed	Closed
4106BB - IOOS Yr 2	\$248,532	\$200,000	\$297,451	Closed	Closed
4106CC - IOOS Yr 3		\$301,327	\$217,340	\$228,543	Closed
4106DD - IOOS Yr 4				\$279,078	\$307,555
4106EE - IOOS Yr 5					\$302,715
Total - 4100 Core Grant Revenue	\$490,597	\$501,327	\$514,791	\$507,621	\$810,270
4600 - Membership Dues & Corporate Sponsorship Revenue	\$40,000	\$40,000	\$40,000	\$36,500	\$37,000
4900 - Other Revenue					
4909 - Coastal States Stewardship Foundation (CSSF)	\$18,351	\$14,101	\$14,101	\$0	\$0
Southeast Disaster Recovery Partnership Grant				\$7,000	\$7,000
Caribbean International CPO					\$20,092
Regional Ocean Data Partnership					\$10,881
Hurricane Supplemental Funding: Repairs			\$46,858	\$62,630	\$20,877
Hurricane Supplemental Funding: Coastal Ocean Modeling			\$22,053	\$27,914	\$9,305
Hurricane Supplemental Funding: Glider			\$1,625	\$6,588	\$2,841
Total Operating Revenue	\$548,948	\$555,428	\$639,428	\$648,253	\$718,266
SECOORA's Fiscal Year (FY): 1 Jul thru 30 Jun	FY18 Revised Operating Budget	FY19 Operating Budget	FY19 Operating Budget - Revised April 2019	FY20 Operating Budget	FY21 Operating Budget
Expense - Operational					
5000 - Personnel Expenses	\$420,000	\$420,000	\$500,000	\$500,000	\$536,000
6000 - Contract Services					
6001 - Accounting/Bookkeeping	\$3,025	\$3,200	\$3,200	\$4,350	\$4,650
6002 - Auditor	\$18,350	\$19,175	\$19,175	\$20,150	\$21,000
6003 - Communication Support	\$1,700	\$1,700	\$1,700	\$1,700	\$1,785
6004 - Digital Infrastructure	\$1,800	\$1,800	\$1,800	\$1,800	\$1,890
6006 & 6009 - Other Contract Services	\$5,000	\$4,000	\$4,000	\$10,000	\$38,000
Total 6000 - Contract Services	\$29,875	\$29,875	\$29,875	\$38,000	\$67,325
6300 - Travel	\$45,000	\$48,000	\$52,000	\$54,000	\$56,700
Meeting Sponsorship	\$5,000	\$5,000	\$5,000	\$5,000	\$5,250
6500 - Expendable Supplies	\$5,500	\$8,800	\$8,800	\$6,500	\$6,900
6800 - Dues & Memberships	\$10,000	\$10,000	\$10,000	\$10,000	\$10,500
6900 - Tort Liability Insurance	\$2,753	\$2,753	\$2,753	\$2,753	\$2,891
7000 - HomeOffice Reimb/Tele/Conf.	\$7,820	\$9,000	\$9,000	\$10,000	\$10,600
9998 & 9999 - Other/Contingency Expenses	\$3,000	\$2,000	\$2,000	\$2,000	\$2,100
Reserve/Scholarship	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000
Total Operating Expense	\$548,948	\$555,428	\$639,428	\$648,253	\$718,266
Percent Increase in Operating Budget Between Years	FY17-18 =0%	FY18-19 =1%	FY18-19 =16%	FY19-20 =1%	FY20-21 =11 %

**ALREADY
APPROVED
by SECOORA
Membership
in April 2020**

Executive Committee Report

Rick DeVoe
SECOORA Chair

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Executive Committee Members



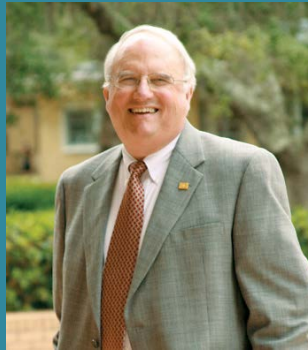
Chair

Rick DeVoe, South
Carolina Sea Grant



Vice-Chairman

Jeff Copeland,
WeatherFlow Inc.



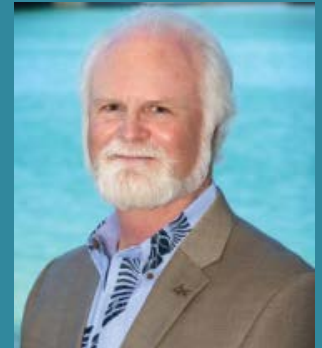
Treasurer

Quinton White,
Jacksonville
University



Secretary

Brendal Townsend,
Ocean Tracking
Network



Past Chair

Michael Crosby, Mote
Marine Laboratory



- Held 7 calls
- Conducted review of the Executive Director
- Planned for Dec 2019 Board meeting and May 2020 Annual meeting
- Reviewed revised Committee membership
- Sent a letter to IOOS PO re: GCOOS and SECOORA boundaries
- Planned for and attended IOOS Spring Meeting and Hill visits
- Reviewed and approved SECOORA proposal development efforts and funding opportunities

Executive Committee Report

Thank you!

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