

# **NERRS Science Collaborative Preview Webinar**

**September 24, 2019**

Thank you for joining us! We will begin shortly. Three reminders:

1. All audio is through GoToWebinar where you can select computer or phone
2. Your line has been muted
3. Submit questions at any time through GoToWebinar



National Estuarine  
Research Reserve System  
Science Collaborative

# Webinar outline

## 1. Brief intro to Science Collaborative

- Team
- Program emphases for 2019 - 2024

## 2. Upcoming funding opportunities

- Timeline
- Outline of each opportunity



# Science Collaborative program staff



Jen Read

Program director



Maeghan Brass

Program manager



Lynn Vaccaro

Project manager



Dwight Trueblood

NOAA program officer



Nick Soberal

Science writer



Communications support  
RFP database management



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**Julia Wondolleck**

Collaboration learning and support



**James Arnott**

Learning from project outcomes



**Maria Carmen Lemos**

Understanding drivers of usability



**Troy Hartley**

Collaborative research training



**Dwayne Porter**

Data management support



**Susi Moser**

Climate and social science support



**Betsy Blair**

Chair of Advisory Board



**Tina Anderson Smith**

Developmental evaluation



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# Program emphases 2019 - 2024

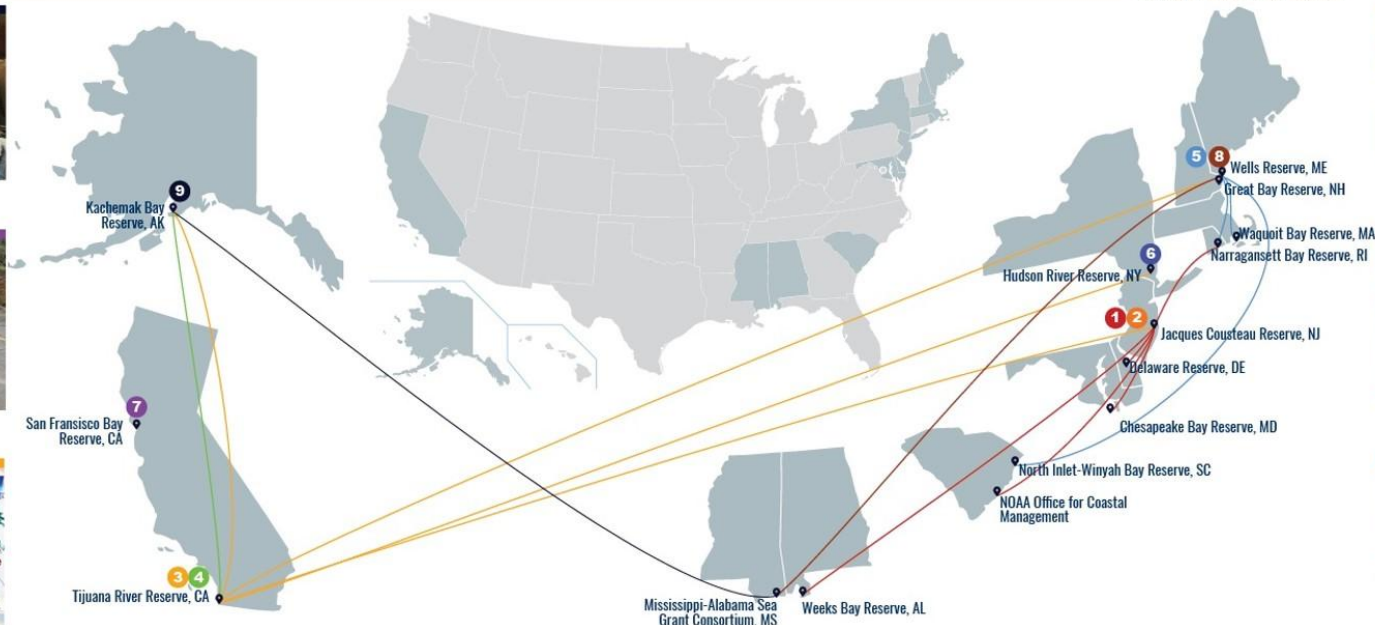
1. Deliver a competitive, collaborative research program  
→ *Details later in webinar*
2. Support the transfer of science
3. Broaden reserve participation in funding opportunities
4. Manage the program adaptively



# Supporting the transfer of science

## TRANSFERRING LESSONS IN CLIMATE RESILIENCE ACROSS THE RESERVE SYSTEM

NERRS Science Collaborative



[Link to infographic](#)



# Project Catalog

Home » What We Fund » Project Catalog

Displaying 1 - 16 of 85

Project Type Reserve Region: Focus Area: Starting Year Keyword(s)  
- Any - - Any - - Any - - Any - -Year -

Apply Reset



Enhancing Coastal Resilience Decision-Support Tools to Reflect Latest Local Applied Science  
October 2018 to August 2019



Synthesizing Monitoring Data to Improve Coastal Wetland Management Across New England  
October 2018 to August 2019



A Collaborative Process to Develop Solutions for Tidal Road Flooding in China Camp State Park  
September 2018 to August 2019



Assessing the Effects of Storm Surge Barriers on the Hudson River Estuary  
September 2018 to August 2019



# Resource Library

Jobs Bay - Photo credit: NOAA

Home » Resource Library

A repository of data, publications, tools, and other products from project teams, Science Collaborative program, and partners.

Displaying 1 - 20 of 262

Search

Search Reset/Clear Filters

## VA SEA Lesson Plan Expo

MULTIMEDIA | September 2019

This video showcases an expo about classroom-tested science lesson plans created for VA SEA by science graduate students. The VA SEA Project is currently supported by the Chesapeake Bay National Estuarine Research Reserve, Virginia Sea Grant, and the VIMS Marine Advisory Program.

See Keywords and Reserves

## Fisheries Resilience Index

TOOL | September 2019

The Fisheries Resilience Index (FRI) is a self-assessment tool developed for fishery industry leaders and businesses.

See Keywords and Reserves

## Narrow your search

Filter your search results below. You may combine these filters with a text search.

### Resource Types

- Factsheet (84)
- Report (39)
- Tool (38)
- Multimedia (25)
- Webinar Brief (18)
- News (14)
- Journal Article (11)
- Data (8)
- Case Study (7)
- Website (7)
- K-12 (6)
- Thesis (3)
- Management Brief (2)

### Focus Areas

- Climate Change (129)
- Habitat Restoration (55)
- Water Quality (54)

Mapping the Effects of Long-term Hydrologic Stress, Sea-level Rise, and Hurricane Irma on

# Broadening reserve participation in funding opportunities

## Planned activities

- Offer diversity of RFPs
- Consistent RFP timelines
- New proposal development tools
- Panel webinar for conceptualizing & designing collaborative science projects - 3:30pm ET on Oct 16
- Communications work to support connections and next steps

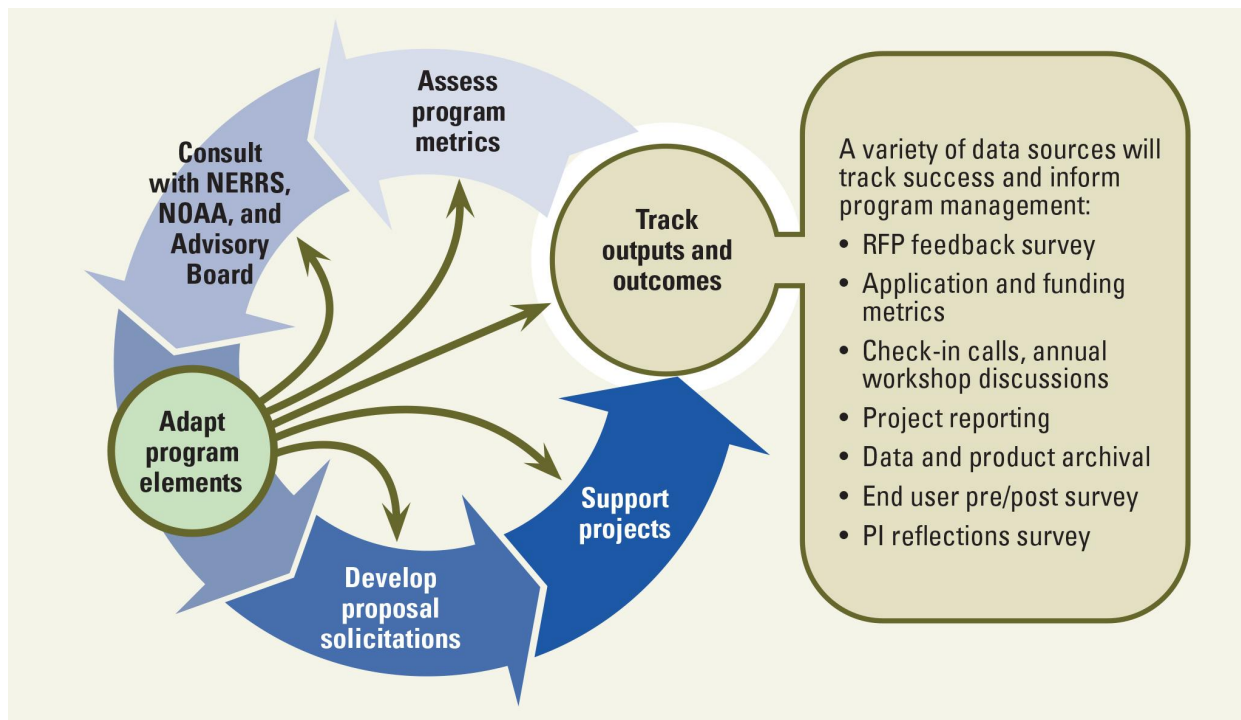
## Potential strategies

- Seed funding
- Training or other project development support
- Communities of practices
- Other ideas, informed by ongoing consultations





# Manage the program adaptively



# Upcoming funding opportunities 2019-2023

	Collaborative Research	Catalyst	Science Transfer
<b>Purpose</b>	Generating new science to inform decisions	Targeted investment for advancing collaborative research ideas	Promoting the use of science
<b>Grant period</b>	Up to 3 years	1 year	Up to 2 years
<b>Award size</b>	Up to \$200,000/yr	\$75,000 – \$200,000	\$45,000 - \$100,000
<b>RFP release *</b>	Oct 2019	Oct 2019	Jan 2020
<b>Project start</b>	Oct 2020	Oct 2020	Oct 2020
<b>RFP cycle</b>	Fall 2019, 2020, 2021	Fall 2019, 2022	Annually, years 1 - 4

*\* all RFPs will be released through reserves*

Month	Science Collaborative RFPs	Other Activities
<b>September 2019</b>	<ul style="list-style-type: none"> <li>Funding opportunity orientation webinar</li> </ul>	<ul style="list-style-type: none"> <li>Management needs requested for NSC RFP (Sept 30)</li> </ul>
<b>October</b>	<ul style="list-style-type: none"> <li><b>Release:</b> FY 2020 Catalyst <i>and</i> Research RFPs</li> </ul>	
<b>November</b>	<ul style="list-style-type: none"> <li>RFP Q&amp;A webinars</li> </ul>	<ul style="list-style-type: none"> <li>CERF</li> <li>Annual Meeting</li> </ul>
<b>December</b>	<ul style="list-style-type: none"> <li><b>Due:</b> Research pre-proposals (Dec 11) and manager assessments (Dec 18)</li> <li><b>Due:</b> Catalyst Letters of Intent (Dec 16)</li> </ul>	<ul style="list-style-type: none"> <li>Davidson Fellowship apps due (Dec 20)</li> </ul>
<b>January 2020</b>	<ul style="list-style-type: none"> <li><b>Release:</b> 2020 Science Transfer RFP</li> </ul>	
<b>February</b>	<ul style="list-style-type: none"> <li><b>Due:</b> Catalyst proposals (Feb 19) and manager assessments (Feb 24)</li> <li>Invitations for research full proposals (Feb 19)</li> </ul>	<ul style="list-style-type: none"> <li>Reserves given fellow apps to review (Feb 21)</li> </ul>
<b>March</b>	<ul style="list-style-type: none"> <li><b>Due:</b> Science Transfer proposals (Mar 23) and manager assessments due (Mar 30)</li> </ul>	<ul style="list-style-type: none"> <li>Reserves rank fellowship apps (by April 10)</li> <li>Manager meeting in DC</li> <li>Operations awards due</li> </ul>
<b>April</b>	<ul style="list-style-type: none"> <li><b>Due:</b> Research full proposals (April 6) and manager assessments (April 13)</li> </ul>	
<b>June - Aug</b>	<ul style="list-style-type: none"> <li>Award notifications</li> </ul>	
<b>October</b>	<ul style="list-style-type: none"> <li>Projects begin (Oct. 1)</li> <li><b>Release:</b> FY 2021 Research <i>and</i> Science Transfer RFPs</li> </ul>	

*All dates are tentative and will be finalized in individual requests for proposals*

# All proposals must

1. Directly involve at least one reserve and have the full support of the relevant reserve manager(s);

## Two mechanisms -

- Reserve management needs summary
  - *Reminder to submit needs to Dwight by Sept 30*
- Manager proposal assessment form

### Proposal Assessment Form

- ☐ Meets a reserve need
- ☐ Engaged staff sufficiently to date
- ☐ Proposed budget and role for reserve are appropriate.



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Reserve Management Needs, By Region	
Caribbean Region	
Jobos Bay Reserve, Puerto Rico	
<b>Climate Change</b> <ul style="list-style-type: none"><li>• Develop workshops for a climate change action plan.</li><li>• There is a need to assess local issues related to CC on both, ecosystem and human settlement. Resilience for both communities is to be affected by CC.</li><li>• Develop workshops for a climate change action plan.</li><li>• There is a need to assess local issues related to CC on both, ecosystem and human settlement. Resilience for both communities is to be affected by CC.</li></ul>	
<b>Shoreline Stabilization</b> <ul style="list-style-type: none"><li>• Workshops in community incentives for protecting watersheds and shorelines.</li><li>• Our reserve needs to attend and solve many cases of encroachments in the natural habitats terrains with the collaboration of the ONHR Legal Division and Law Enforcement Rangers.</li></ul>	
<b>Water Quality</b> <ul style="list-style-type: none"><li>• The impacts of recreational development as a land use in coastal watersheds and measures to address those impacts.</li><li>• The illegal constructions, man-made structures and rubble and debris deposited need to be removed from the mangroves and salt flats of the reserve.</li><li>• There is a need to identify how ULC are specifically affecting the estuary condition such groundwater supply and runoff that may be impairing our water quality.</li></ul>	
<b>Habitat Restoration</b> <ul style="list-style-type: none"><li>• Workshops on elements of conservation biology for estuaries.</li><li>• All the impacted areas need to be restored to the original state.</li></ul>	
<b>Monitoring Application</b> <ul style="list-style-type: none"><li>• Develop workshops to share SNMP data with coastal decision maker audiences.</li><li>• Science-based strategies are the focus of management actions at the Reserve. Long term data acquired need to be deprecated and use to develop products for decision makers and other stakeholders such community groups.</li></ul>	
Great Lakes Region	
Lake Superior Reserve, Wisconsin	
<b>Ecosystem Service Valuation</b> <ul style="list-style-type: none"><li>• Local partners point out a disconnect between citizens' stewardship actions and their desire to access the Rivers and Lake Superior. Understanding the critical services these systems provide and then successfully articulating their value to these citizens is a need for all Reserve Partners.</li></ul>	
<b>Climate Change</b> <ul style="list-style-type: none"><li>• Understanding climate change and changing land/water management in terms of climate change/resiliency; messaging for the public on these topics.</li></ul>	
<b>Ecosystem Service Valuation</b> <ul style="list-style-type: none"><li>• Understanding the use of ESV framework and principles in management decisions and relatedly, improving research strategies under this framework.</li></ul>	
Summary of Reserve Management Needs January 2017 Page 3	

# All proposals must

2. Clearly identify, engage, and be responsive to the interests and needs of intended users.

**End user** = a person or group in a position to apply the information or tools being produced in a way that is of direct consequence to the ecological, social, or economic integrity of a reserve(s) and/or surrounding watershed(s).



# COLLABORATIVE SCIENCE FOR ESTUARIES

WEBINAR SERIES



**Jen West**

*Narragansett Bay NERR*



**Alison Watts**

*University of New Hampshire*



**Nikki Dix**

*Guana Tolomato Matanzas  
NERR*



**Julia Wondolleck**

*NERRS Science Collaborative*

## Conceptualizing and Designing Collaborative Science Projects



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[Learn more here](#)

Date: **Wednesday, October 16, 2019**

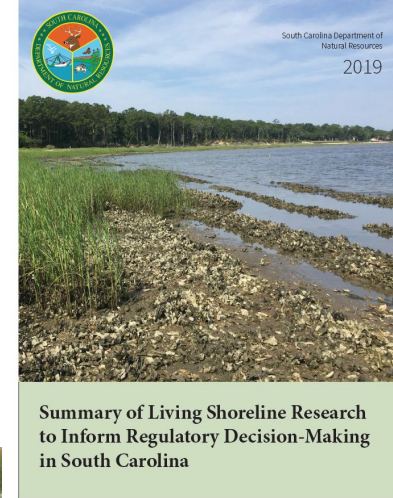
Time: **3.30 - 4.30 PM ET**



# Collaborative Research

*Generating new science to inform decisions*

- Up to 3 years, Up to \$600,000
- Pre-proposals due (tentative): Dec 11, 2019
- Full proposals due (tentative): April 6, 2020
- Two key attributes of projects
  - Compelling explanation of how research will inform decision making related to a reserve management need.
  - Thoughtful, targeted engagement of intended users of research



[Project link](#)



[Project link](#)

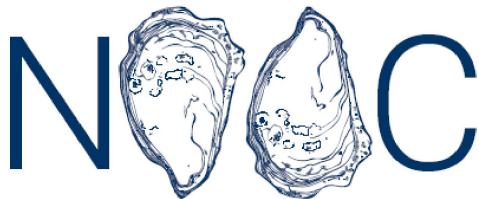


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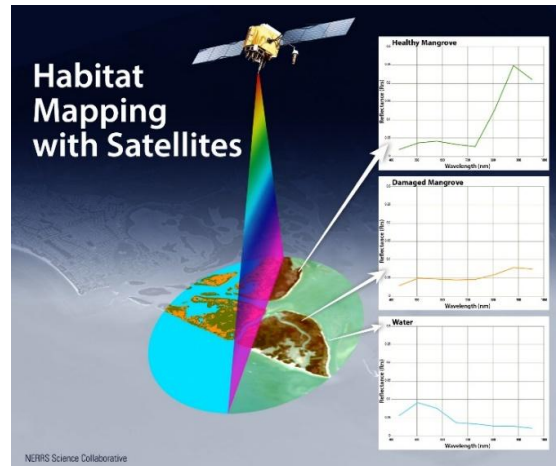
# Catalyst

*Targeted investment for advancing collaborative research ideas*

- 1 year, \$75,000 – \$200,000
- Letters of intent due (tentative): Dec 16, 2019
- Proposals due (tentative): Feb 17, 2020
- Projects must address one of these objectives:
  - **Facilitate the development of new collaborative science ideas**



Native Olympia Oyster Collaborative



[Project link](#)



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Science Collaborative

[Project link](#)

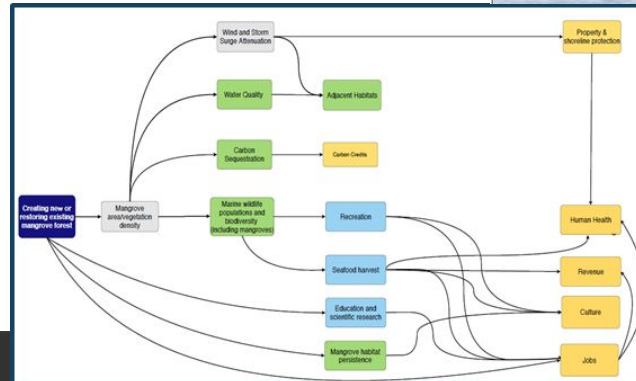
# Catalyst

## *Targeted investment for advancing collaborative research ideas*

- Projects must address one of these objectives:
  - Facilitate the development of new collaborative science ideas
  - **Amplify or enhance existing collaborative research efforts**



[Project link](#)



[Project link](#)

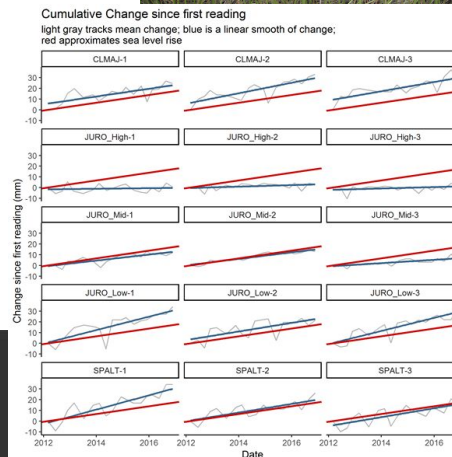


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# Catalyst

## *Targeted investment for advancing collaborative research ideas*

- Projects must address one of these objectives:
  - Facilitate the development of new collaborative science ideas
  - Amplify or enhance existing collaborative research efforts
  - **Conduct NERRS System Wide Monitoring Program (SWMP) syntheses for a regional and/or national application**



[Project link](#)



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# Science Transfer

*Promoting the use of science*

- Up to 2 years, \$45,000 - \$100,000
- Proposal due date (tentative): March 23, 2020
- Science transfer opportunities

Reserve ↔ Reserve  
Sector                  Sector

Reserve ↔ External  
Partners

Reserve ↔ Reserve



# Science Transfer

## *Promoting the use of science*

- Up to 2 years, \$45,000 - \$100,000
- Proposal due date (tentative): March 23, 2020
- **Example activities and outputs** [Link](#)



Outreach programming



Workshops and training modules



Data synthesis and decision support tools



K-12 initiatives and curriculum



# Looking ahead

- Research and Catalyst RFP released in mid October
- October 16 - Panel webinar on conceptualizing and designing collaborative research
- RFP webinars with Q&A
  - Collaborative Research: October 29, 3:30-4:30pm (EST)
  - Catalyst: November 12, 3:30-4:30pm (EST)
  - Transfer: January 16, 3:30-4:30pm (EST)
- Coastal and Estuarine Research Federation
- Annual Meeting, sessions with each reserve sector



# Thank you



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