



NERRS Science Collaborative
Catalyst RFP Q&A Webinar

November 12, 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. Please mute your line for the initial presentation
3. You may submit questions at any time through GoToWebinar

Webinar outline

1. Overview of Request for Proposals (RFP)
    - Timeline
    - Key requirements
    - Review criteria
    - Three example projects

2. Question and answer session

Current grant opportunities

	Catalyst	Collaborative Research
Purpose	Targeted investment for advancing collaborative science	Generating new science to inform decisions
Grant period	1 year	Up to 3 years
Award size	$75,000 – $200,000/yr	Up to $200,000/yr
RFP release	Oct 11 2019	Oct 11 2019
Deadlines	Letters of Intent due Dec 16	Pre-proposals due Dec. 11
Project start	Oct 2020	Oct 2020

Catalyst RFP timeline

Date	Activity
December 16, 2019 by 11:59pm EST	**Mandatory** letter of intent due
February 19, 2020 by 11:59pm EST	Proposals due
February 24, 2020	Manager proposal assessments due
June 2020	Funding notifications
October 1, 2020	Anticipated project start date

Catalyst proposals must….

Include at least one, or a combination of, the following **core activities:**

- Collecting and analyzing new data;
- Compiling and analyzing existing data; and/or
- Developing new or refining existing tools or products to maximize utility.

Address one of three primary **RFP objectives**

1) Facilitate the development of *new* collaborative science ideas
2) Amplify or enhance *existing* collaborative research efforts
3) Conduct NERRS System-wide Monitoring Program (SWMP) syntheses for a regional and/or national application

Collaboration & end user engagement

Projects must:

- Identify the primary end user(s) and their needs
- Describe how they helped to shape the project
- Provide at least one letter of support from an end user
- Describe the process that will allow for iterative engagement
- Identify a collaborative lead
- Demonstrate that sufficient time and resources are dedicated to support a collaborative, end user engagement process

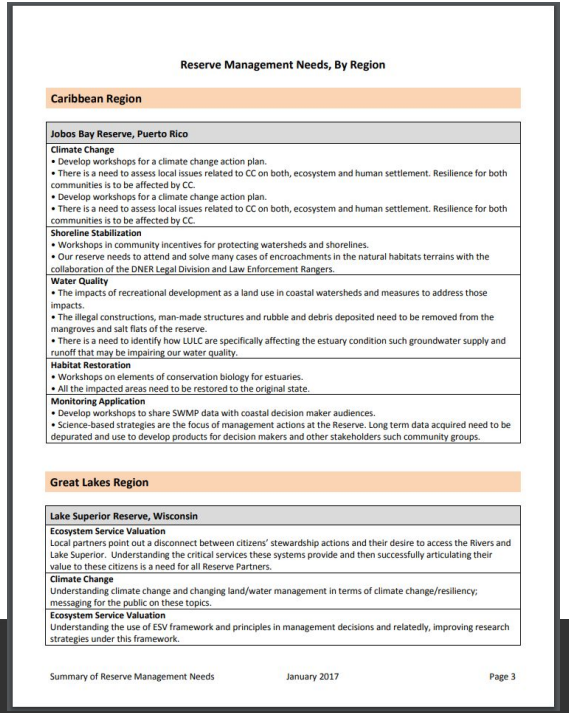
Reserve engagement

Projects must:

- Address at least one reserve management need
- Demonstrate how reserve staff will be engaged in a productive collaboration
- Have the full support of the relevant reserve managers

Proposal Assessment Form

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



Reserve Management Needs, By Region

Caribbean Region

Jobos Bay Reserve, Puerto Rico
Climate Change • Develop workshops for a climate change action plan. • 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. • Develop workshops for a climate change action plan. • 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.
Shoreline Stabilization • Workshops in community incentives for protecting watersheds and shorelines. • Our reserve needs to attend and solve many cases of encroachments in the natural habitats terrains with the collaboration of the DNER Legal Division and Law Enforcement Rangers.
Water Quality • The impacts of recreational development as a land use in coastal watersheds and measures to address those impacts. • The illegal constructions, man-made structures and rubble and debris deposited need to be removed from the mangroves and salt flats of the reserve. • There is a need to identify how LULC are specifically affecting the estuary condition such groundwater supply and runoff that may be impairing our water quality.
Habitat Restoration • Workshops on elements of conservation biology for estuaries. • All the impacted areas need to be restored to the original state.
Monitoring Application • Develop workshops to share SWMP data with coastal decision maker audiences. • Science-based strategies are the focus of management actions at the Reserve. Long term data acquired need to be depurated and use to develop products for decision makers and other stakeholders such community groups.

Great Lakes Region

Lake Superior Reserve, Wisconsin
Ecosystem Service Valuation 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.
Climate Change Understanding climate change and changing land/water management in terms of climate change/resiliency; messaging for the public on these topics.
Ecosystem Service Valuation Understanding the use of ESV framework and principles in management decisions and relatedly, improving research strategies under this framework.

Summary of Reserve Management Needs January 2017 Page 3

Data sharing expectations

Include a data sharing plan as an appendix, following our template:

- Methods and protocols for data collection
- Data quality control / quality assurance procedures
- Data access plan
- Data archival plan
- Metadata format

Data access portals used by teams

- NCBI GenBank
- Barcode of Life Database (BOLD)
- PANGAEA
- University partner
- CDMO
- Axiom

Proposal evaluation criteria

1. Priority Issue (2 Qs)
2. Collaboration and end use engagement (3 Qs)
3. Project Approach (3 Qs)
4. Feasibility (4 Qs)
5. Potential impact (1 Q)

Assessing the Effects of Storm Surge Barriers on the Hudson River Estuary

Objective 1: Facilitate the development of new collaborative science

Management need: Broadening research, input, and collaborations about storm surge barriers

End user: Hudson R. NERR, NY DEC, US Army Corps of Engineers

Collaborative approach:

- Project advisory committee
- Workshops - Information needs & Science workshop
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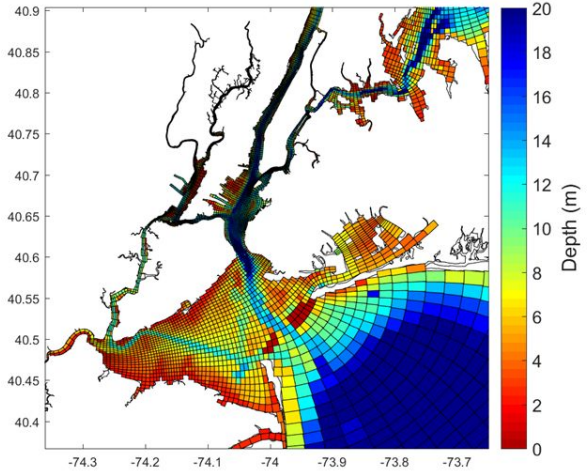

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Link to project page

Stakeholder-Driven Modeling to Understand Oyster Population Sustainability

Objective 2: Amplify or enhance existing collaborative research efforts

Management need: Improving management and harvest regulations for oysters

End user: GTM reserve and Oyster and Water Quality Task Force

Collaborative approach:

- Reserve staff serve as end user representative and facilitate quarterly meetings with task force

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Link to project page

Is marsh surface tracking sea level change? Developing tools and visualizations for NERRS Sentinel Site data

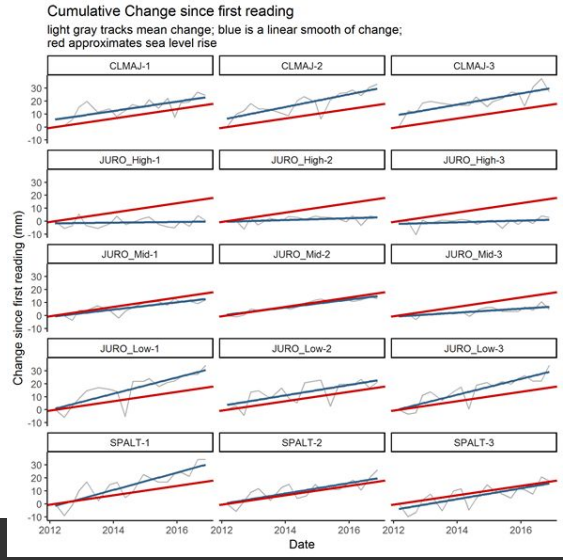
Objective type 3: Conduct NERRS System-wide Monitoring Program (SWMP) syntheses for a regional and/or national application

Management need: Expand the application of Surface Elevation Table (SET) data

End user: Reserve system

Collaborative approach:

- Technical team
- Outreach team
- All reserves invited to share data



A few additional proposal tips

Objective and end user need

- Be clear: What's the need and who are the primary end users?

Outputs and outcomes

- Clearly connect the dots: need ⇨ users ⇨ outputs ⇨ outcomes

Project approach

- Integrate collaborative and technical work & explain your choice of methods

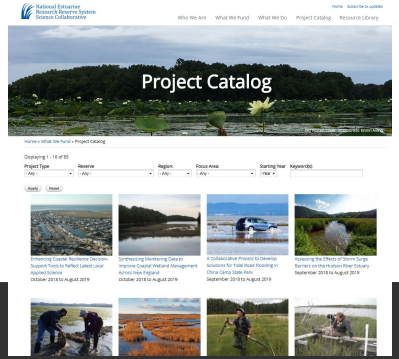
Team

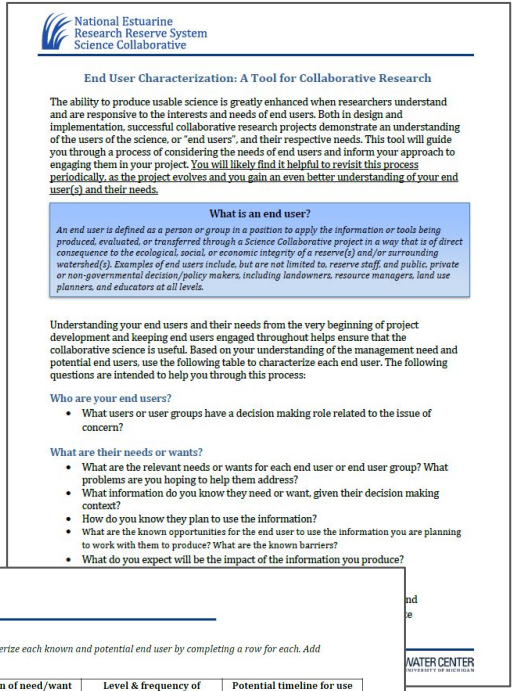
- Be specific about roles & customize CVs to demonstrate relevant expertise

Overall proposal presentation

Program resources & support

- Online applicant resources-- see http://nerrssciencecollaborative.org/catalyst
- Call or email us:
  - Lynn Vaccaro (734-763-0056)
  - Maeghan Brass (734-763-0727)
  - nerrs-info@umich.edu





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End User Characterization: A Tool for Collaborative Research

The ability to produce usable science is greatly enhanced when researchers understand and are responsive to the interests and needs of end users. Both in design and implementation, successful collaborative research projects demonstrate an understanding of the users of the science, or "end users", and their respective needs. This tool will guide you through a process of considering the needs of end users and inform your approach to engaging them in your project. You will likely find it helpful to revisit this process periodically, as the project evolves and you gain an even better understanding of your end user(s) and their needs.

What is an end user?

An end user is defined as a person or group in a position to apply the information or tools being produced, evaluated, or transferred through a Science Collaborative project in a way that is of direct consequence to the ecological, social, or economic integrity of a reserve(s) and/or surrounding watershed(s). Examples of end users include, but are not limited to, reserve staff, and public, private or non-governmental decision/policy makers, including landowners, resource managers, land use planners, and educators at all levels.

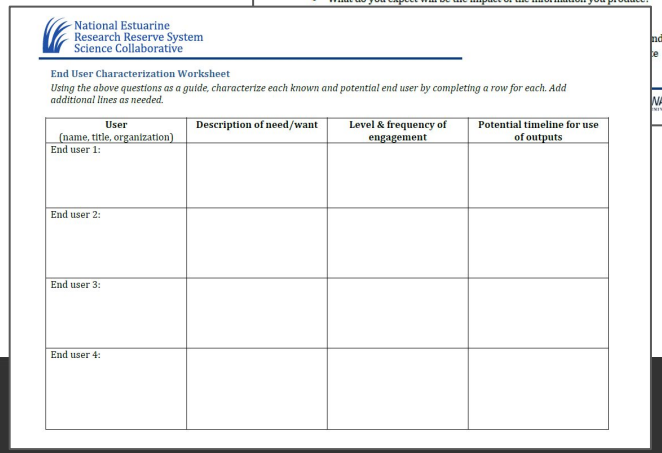
Understanding your end users and their needs from the very beginning of project development and keeping end users engaged throughout helps ensure that the collaborative science is useful. Based on your understanding of the management need and potential end users, use the following table to characterize each end user. The following questions are intended to help you through this process:

Who are your end users?

- What users or user groups have a decision making role related to the issue of concern?

What are their needs or wants?

- What are the relevant needs or wants for each end user or end user group? What problems are you hoping to help them address?
- What information do you know they need or want, given their decision making context?
- How do you know they plan to use the information?
- What are the known opportunities for the end user to use the information you are planning to work with them to produce? What are the known barriers?
- What do you expect will be the impact of the information you produce?



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End User Characterization Worksheet

Using the above questions as a guide, characterize each known and potential end user by completing a row for each. Add additional lines as needed.

User (name, title, organization)	Description of need/want	Level & frequency of engagement	Potential timeline for use of outputs
End user 1:			
End user 2:			
End user 3:			
End user 4:			

Question and answer time

Type in questions to the GoToMeeting console

“Raise your hand” in GoToMeeting

Or speak up, but don’t forget to **unmute** your phone line.





Thank you

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