NATIONAL ESTUARINE RESEARCH RESERVE SCIENCE COLLABORATIVE SPONSORED PROJECTS

About this Program

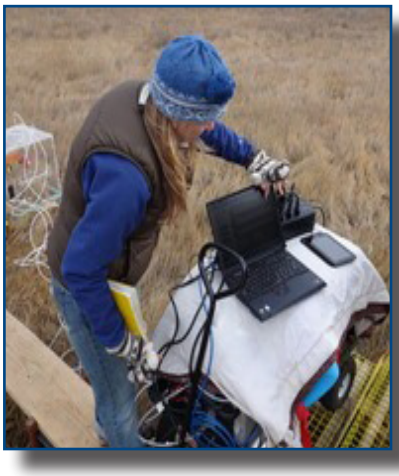
The NERRS Science Collaborative puts Reserve-based science to work for coastal communities coping with the impacts of land use change, stormwater, nonpoint source pollution, and habitat degradation all in the context of a changing climate. Our approach to connecting science to decision making includes:

- Using a competitive RFP, we fund projects that incorporate collaboration and applied science to address coastal management problems identified as priorities for Reserves and their communities.
- Transfer of knowledge: Through our transfer program, the science we fund is shared throughout the NERRS and the communities they serve.
- Graduate education: Through TIDES (Training for the Integration of Decision Making and Ecosystem Science), a non-thesis Master's degree program hosted by the University of New Hampshire, we train the next generation of professionals to link science to coastal decision making.

The program operates by a cooperative agreement between the University of New Hampshire (UNH) and the National Oceanic and Atmospheric Administration.

Learn more at....
nerrs.noaa.gov/ScienceCollaborative.aspx

Making Science Part of the Solution



The Science Collaborative has funded 31 collaborative research projects, involving 21 NERR sites in 19 coastal states: Alabama, Alaska, California, Florida, Maine, Maryland, Massachusetts, Mississippi, New Hampshire, New Jersey, New York, North Carolina, Ohio, Oregon, Rhode Island, South Carolina, Texas, Virginia, and Wisconsin.

These projects use the principles of participatory process to engage intended users of the science in the research—from problem definition and project design through implementation of the research and use of its results in coastal decision making.

Their focus areas include Low Impact Development, native oyster restoration, wetland restoration and conservation, freshwater resource allocation, management of nitrogen pollution, and economic valuation of the services provided by coastal environments. Information about these projects is, or will soon be available at www.nerrs.noaa.gov.

Northeast

- Planning integrated water management in coastal New Hampshire ($438,227) *(new project—web page in development)*
- Valuation of ecosystem services at Maine's Wells Reserve ($641,285) *nerrs.noaa.gov/NSCIndex.aspx?ID=649*
- Planning for climate change adaptation in New Hampshire's Great Bay ($683,472) *nerrs.noaa.gov/NSCIndex.aspx?ID=738*
- Building green infrastructure for sustainable New Hampshire communities ($589,838) *nerrs.noaa.gov/NSCIndex.aspx?ID=746*
- Tracking nitrogen sources in New Hampshire's Great Bay ($599,514) *nerrs.noaa.gov/NSCIndex.aspx?ID=650*
- Bringing coastal wetlands to carbon markets in Massachusetts ($1,716,038) *nerrs.noaa.gov/NSCIndex.aspx?ID=702*
- Using role-play to address climate change risks in New England ($637,023) *nerrs.noaa.gov/NSCIndex.aspx?ID=734*
- Analyzing shoreline resilience on New York's Hudson River ($229,183) *(new project—web page in development)*
- Promoting sustainable shorelines on the Hudson River ($814,155) *nerrs.noaa.gov/NSCIndex.aspx?ID=646*

Science Collaborative Transfer RFI

The National Estuarine Research Reserve System (NERRS) Science Collaborative 's Transfer Request for Ideas (TRFI) program engages all NERRS managers and staff to submit ideas to share information generated by Science Collaborative funded projects within the NERR System.

These ideas must focus on knowledge generated by Science Collaborative-sponsored research projects that is of genuine interest to Reserves beyond those identified in that project's grant.

This opportunity is open to all NERRS managers and staff, regardless of whether they are part of a current Science Collaborative sponsored collaborative research project.

Ideas for sharing information could include, but are not limited to, online or face to face trainings, webinars, workshops and conferences, consultancies, web sites, social media-based communities, manuals, guides, or case studies.

- Project budgets will range from $5,000 to a maximum of $15,000.
- One year maximum duration

For more information contact:

Dolores Leonard, 603.862.3685, or dolores.leonard@unh.edu.

Southeast

- Modeling tidal headwater runoff in South Carolina's ACE Basin ($276,624) *(new project—web page in development)*
- Mitigating coastal stormwater pollution in North Carolina ($349,518) *(new project—web page in development)*
- Assessing a tool for coastal habitat vulnerability in South Carolina ($142,286) *(new project—web page in development)*
- Developing an LID manual for stormwater in South Carolina ($329,943) *nerrs.noaa.gov/NSCIndex.aspx?ID=736*
- Assessing the impacts of stormwater swashes on Myrtle Beach ($872,732) *nerrs.noaa.gov/NSCIndex.aspx?ID=652*
- Promoting habitat restoration in ACE Basin, South Carolina ($585,622) *nerrs.noaa.gov/NSCIndex.aspx?ID=732*
- Planning for sea level rise in the Florida Mantanzas Basin ($618,377) *nerrs.noaa.gov/NSCIndex.aspx?ID=700*

Mid-Atlantic and Great Lakes

- Linking climate change and ecosystem management in New Jersey ($425,104) *(new project—web page in development)*
- Building socio-ecological community resilience in Deal Island, Maryland ($598,645) *nerrs.noaa.gov/NSCIndex.aspx?ID=744*
- Assessing wetland services in the Wisconsin Lake Superior watershed ($294,523) *(new project—web page in development)*
- Establishing credits and incentives for Ohio stormwater management ($821,000) *nerrs.noaa.gov/NSCIndex.aspx?ID=690*

Gulf of Mexico

- Balancing water allocation in Florida's Henderson Creek ($815,012) *nerrs.noaa.gov/NSCIndex.aspx?ID=713*
- Testing restored marshes as filters in Alabama's Weeks Bay ($371,099) *nerrs.noaa.gov/NSCIndex.aspx?ID=750*
- Studying the impacts of nitrogen loading on Mississippi's Grand Bay ($354,750) *nerrs.noaa.gov/NSCIndex.aspx?ID=647*
- Tracking freshwater inflows in Texas' Guadalupe-San Antonio Bay/Basin ($757,105) *nerrs.noaa.gov/NSCIndex.aspx?ID=692*

West Coast

- Modeling sea level rise for tidal marshes in San Francisco Bay ($379,795) *(new project—web page in development)*
- Using temporal perspectives to inform wetland restoration in California ($599,972) *nerrs.noaa.gov/NSCIndex.aspx?ID=742*
- Planning for sea level rise in the San Francisco Bay area ($889,530) *nerrs.noaa.gov/NSCIndex.aspx?ID=704*
- Restoring oysters in California's San Francisco Bay and Elkhorn Slough ($908,006) *nerrs.noaa.gov/NSCIndex.aspx?ID=687*
- Boosting native Olympia oyster recovery on Oregon's coast ($464,025) *nerrs.noaa.gov/NSCIndex.aspx?ID=651*
- Building partnerships for coastal watersheds in Oregon's Coos Estuary ($549,826) *nerrs.noaa.gov/NSCIndex.aspx?ID=748*
- Studying sea level rise and coastal uplift at Alaska's Kachemak Bay ($915,271) *nerrs.noaa.gov/NSCIndex.aspx?ID=648*