



**New York Sea Grant's  
Biennial Research Call for 2022-2023**

**INVITING PRE-PROPOSALS FOR RESEARCH**

**Specifically Addressing Portions of NYSG's Strategic Plan for 2022-2023**

***Pre-Proposal Deadline: 4:30 PM Eastern***

***Thursday, February 25, 2021***

Anticipated Funds: Approximately \$120,000 per year for 2 years

Supporting about 6-7 projects

The main goal of New York Sea Grant's (NYSG) research program is to generate and provide valid scientific information and tools that will further the sustainable development, use, protection, conservation, and management of our coastal resources. The research must be driven by stakeholder identified research needs and provide enhanced opportunities for NYSG to 'make a difference' and positively impact important coastal issues.

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## **I. BACKGROUND**

[New York Sea Grant](#) (NYSG) is part of a national Sea Grant network that constitutes NOAA's [National Sea Grant College Program](#). NYSG is a cooperative program of the State University of New York (SUNY) and Cornell University, with its main administrative offices located at Stony Brook University and Cornell University, and with extension offices [located throughout the state](#). Our vision is that *coastal decision-making in New York State and the Nation will be influenced by science-based information and educated stakeholders* and our mission is *Bringing Science to the Shore through high quality research, outreach, and extension*.

In a time of accelerating economic, environmental, and scientific developments, NYSG's programming serves New York's diverse coastal communities by ensuring they have the science-based information and resources to understand and respond to these developments.

The New York and National Sea Grant College Programs are committed to diversity, equity, and inclusion by recruiting, retaining and preparing a diverse workforce, and proactively engaging and serving the diverse populations of coastal communities. Sea Grant is committed to building inclusive research, extension, communication and education programs that serve people with unique and varied backgrounds, circumstances, needs, perspectives and ways of thinking.

For this competitive research opportunity, we encourage proposals that include diverse participants with regards to age, race, ethnicities, national origins, gender identities, sexual orientations, disabilities, cultures, religions, citizenship types, marital statuses, education levels, job classifications, veteran status types, income, and socioeconomic status. In addition, NYSG encourages applicants to clearly identify how the research will have broader societal impacts on the coastal community including for stakeholders from underrepresented or underserved communities.

## **II. NYSG RESEARCH AND TOPICS FOR THIS CALL**

Sea Grant projects address well-defined coastal, Great Lakes, or marine issues of relevance to coastal communities. Research projects supported by NYSG must address challenges or opportunities important to New York State, as defined in our 2022-2023 Strategic Plan. However, the results of these projects should also be relevant to regional or national needs and be consistent with the program priorities for the National Sea Grant College Program as contained in the National Network 2018-2023 Strategic Plan.

NYSG supports research on marine, Hudson River estuary, and Great Lakes (and Great Rivers—Niagara and St. Lawrence) topics and issues. Projects can consist of developmental work on new methods, models, tools, techniques, state-of-knowledge synthesis efforts, and hypothesis driven experimental work. The proposed research must show an understanding of what constitutes necessary and sufficient information for responsible decision-making or for applied use and will be expected to generate actionable results. A successful Sea Grant project would provide information or tools that will assist resource managers, communities, and other stakeholders to make decisions or plans regarding coastal resources and environments.

Additionally, a project must have sufficient intellectual content and scientific rigor to make it appropriate for university research. The need, significance, products, applicability, target audience (beyond other academics), and expected impact of the research must be clearly anticipated and described. *These will be key factors in the review process.*

Because Sea Grant's mission includes extension of research and other results to stakeholders, discussions with NYSG extension staff (see list in Section VI) may help hone the focus of proposed research towards particularly useful information. *Researchers are strongly encouraged to contact [NYSG Extension staff](#) with their ideas to improve their understanding of what information and products may be most useful to coastal stakeholders.* The organization or people who will apply the results for actionable use must be identified in the proposal. Contact with the Extension staff before, during, and after the project by the researchers is expected. **Within two months of an executed contract under this Call, the PI and NYSG staff must develop a project extension and outreach plan to be implemented throughout the duration of the project.**

NYSG encourages multi-disciplinary and multi-investigator research. **Research in and among all disciplines is encouraged—such as in the physical, natural and/or social sciences.** NYSG is also interested in helping to foster new research talent, and encourages submissions from early career investigators and others who have not previously received NYSG funding. The development of future scientists and decision-makers through student education is also important to NYSG. Investigators are encouraged to involve graduate and/or undergraduate students in the conduct of their projects. Investigators may want to investigate NYSG's Sea Grant Scholar Fellowship program (see III. K. on page 10) for their projects.

Efforts inappropriate for Sea Grant funding include those directed solely toward monitoring or surveys. Expansion of understanding solely for its own sake without regard to application or aiding decision making is also considered inappropriate for Sea Grant.

In this Call for Pre-proposals, NYSG invites projects that will address the specific topics described below. The selected topic must be addressed in the context of the Focus Area and Goal under which it appears which are based on [New York Sea Grant's Strategic Plan for 2022-2023](#).

**Your proposal concept must meet these criteria:**

- Address one or more specific topics under NYSG's goals, listed below; **AND**
- Assist NYSG in making progress towards fulfilling the Goal under which the topic appears.

### **Focus Area A. Healthy New York Coastal Ecosystems**

**NYSG Goal A1: Coastal and ocean habitats and ecosystems, and the services they provide, are protected, enhanced or restored.**

To help achieve this Goal, NYSG is specifically soliciting research:

1. That estimates the economic and/or ecological value of the ecosystem services of various coastal habitats and ecosystems such as wetlands, dunes, seagrasses and other living resources.
2. That measures and compares the level of community involvement in the success and long-term viability of habitat restoration projects.
3. That models or estimates both the positive and negative effects and the tradeoffs (ecological, social, and economic objectives) of the development of transmission lines related to offshore renewable energy on ecosystems, aquatic life and benthic habitat.

**NYSG Goal A2: Coastal and ocean waters, lands and living resources are managed by applying sound science, tools and planning to sustain ecosystem function and services to sustain ecosystems.**

To help achieve this Goal, NYSG is specifically soliciting research:

1. That measures the public perceptions, behaviors, and attitudes towards best management practices and policies that could be used to improve coastal and ocean habitats/ecosystems degraded by human-derived impacts such as introduced Aquatic Invasive Species, pathogens, bacteria, plastics, emerging contaminants, ocean acidification or other sources. This can include evaluating alternate options for effectively informing or communicating to stakeholders the variety of behaviors or actions that can be taken to improve conditions.
2. That assesses the ecological, social and/or economic effects of various management measures proposed to protect coastal habitats, ecosystems, coastal and ocean waters, lands and/or living resources (such as nature and nature-based shoreline practices, etc.) and the impacts on the ecosystem services these resources provide.
3. That develops models which predict changes in nearshore bathymetry and its subsequent influences on seiche, storm surge, nearshore coastal processes, coastal habitats, and/ or spawning areas and creates tools for communicating these phenomena to stakeholders.

**Focus Area B. Sustainable New York Fisheries, Aquaculture and Seafood Businesses**

**NYSG GOAL B1: Fisheries and aquaculture industries provide food, jobs and economic and cultural value to coastal communities and economies.**

To help achieve this Goal, NYSG is specifically soliciting research:

1. That produces an economic analysis of aquaculture operations, seafood processing, seafood marketing (emphasis on underutilized species), Fisheries, Aquaculture, and Seafood (FAS) supported industries, and/or FAS focused tourism operations.

2. That develops and provides market research/data, tools, and information that identify consumer and purchaser preferences for seafood species, product types/categories, and production methods throughout NY State and/or identify strategies for increasing the marketability of NY landed seafood products with emphasis on underutilized species.
3. That develops tools, technologies or approaches that promote increased sustainable catch/retention of NY seafood species and/or sustainable aquaculture appropriate for New York.
4. That develops or improves aquaculture and fisheries technologies that will sustain and facilitate sustainable growth of FAS industries throughout NY State (i.e. farming systems, fishing gear modification).
5. That develops tools, techniques and information that address seafood safety with emphasis on seaweed product safety and microplastics in seafood.
6. That develops processing methods and technologies to enhance safety practices and maintain quality during seafood processing.

**NYSG GOAL B2: Marine and freshwater fishery resources are conserved and sustained, supporting fishing communities and businesses, including commercial, aquaculture, recreational, and subsistence fisheries.**

To help achieve this Goal, NYSG is specifically soliciting research:

1. That identifies the motivations behind recreational fishing and fishing preferences.
2. That identifies the barriers to the sustainable growth and operation of fisheries, aquaculture and seafood small businesses and develops recommendations, tools, and/or technologies for overcoming these barriers.
3. That develops new methods, technologies and tools for reducing and controlling by-catch and the incidence of barotrauma and other sources of mortality from catch and release.

### **Focus Area C. Resilient New York Communities and Economies**

**NYSG GOAL C1: Vulnerable and at-risk coastal communities are aware of and can plan and prepare for changing conditions and risks and become resilient to extreme events, coastal hazards, economic disruptions, and/or other threats to community and individual well-being.**

To help achieve this Goal, NYSG is specifically soliciting research:

1. That models, communicates, and/or forecasts rip and other dangerous currents associated with industrial/developed shores (e.g. piers, boardwalks, vertical walls, groins, jetties and other shoreline structures).
2. That models the relationships between storms (hurricanes and nor'easters) and bluff, shoreline erosion as it relates to coastal property and infrastructure (may incorporate atmospheric research).

3. That improves modeling, visualization and communication of coastal flooding and hazards, especially by incorporating hyperlocal data.
4. That examines how different populations/communities understand, perceive and react to coastal vulnerabilities, risks and hazards and the effective communication of these vulnerabilities, hazards and risks to different populations.
5. That expands our understanding of the economics of resilience, including the economic benefits of recreational activities and improved resilience, and the economic impacts of high water/sea level rise on water-dependent businesses.
6. That expands our understanding of the various impacts of COVID-19 and/or high water and/or sea level rise, exposure, vulnerability, of flood insurance and other FEMA and State programs on the demographics of coastal landowners and workers, and the impacts on property values, homeowner/renter decision-making.

**NYSG GOAL C2: Communities utilize tools and methods to assist in planning and implementing adaptive management strategies in order to enhance community resilience and their ability to adapt to natural hazards and changing conditions.**

To help achieve this Goal, NYSG is specifically soliciting research:

1. That compares the advantages and disadvantages of management actions such as setbacks / retreat, elevate, buyout, and other resilience planning as options for improved coastal hazard resilience for coastal communities.
2. That evaluates green infrastructure/nature based features, smart growth principles, and other sustainable development strategies to increase community resilience and adaptation to extreme events.
3. That models the social or economic impacts of climate change on coastal communities.
4. That evaluates the best approaches to disaster resilience planning and post-disaster recovery.

**Focus Area D. Environmental Literacy & Workforce Development in New York**

**NYSG GOAL D1: An environmentally literate public that is informed by a continuum of lifelong formal and informal engagement opportunities that reflect the range of diversity of our communities.**

To help achieve this Goal, NYSG is specifically soliciting research:

1. That develops and tests methods that increase environmental literacy across diverse audiences.
2. That develops and tests methods that increase educator and students' efficacy to engage in a diverse range of stewardship and/or develops and tests robust and diverse models for stewardship engagement and sustainability.
3. That measures and assesses the impacts of the incorporation of environmental justice oriented lessons on student learning and understanding of GL and marine

science.

4. That develops and assesses methods that effectively engage K-12 educators in meaningful ways through real-world Great Lakes and Marine science applications.

**NYSG GOAL D2: A diverse and skilled workforce that is engaged and enabled to address critical local, regional, and national needs.**

To help achieve this Goal, NYSG is specifically soliciting research:

1. That develops or assesses policies or methods that increase coastal environmental education for historically underserved student populations.
2. That develops or assesses programs or policies that result in increased interest in and preparation for marine related careers including increased access to real-world experiences in a marine workforce position or major and training and job placement in the marine workforce.
3. That investigates the use of environmental justice considerations on the effectiveness of informal education programs that are designed to increase environmental literacy, engagement, and stewardship in diverse communities.

### III. GENERAL INFORMATION ABOUT PRE-PROPOSAL SUBMISSION

#### A. Who is Eligible to Submit:

Faculty at New York academic institutions are the main targets and recipients of NYSG's research funds. Nevertheless, proposals from other groups may be accepted and approved for funding. Eligible groups are listed below in order of preference for funding under this Call:

1. Researchers at universities and colleges.
2. Researchers at other not-for-profit research institutions.
3. Researchers who are personnel of state or local agencies, or of not-for-profit organizations.
4. Researchers at for-profit institutions or companies (with limits).

**Important Notes:** All proposals submitted under this Research Call for 2022-2023 must be led by an eligible researcher with his or her primary professional base in New York State. Federal employees may participate in projects as collaborators, but they may not be included in the budget. Federal employees and institutions are *not* eligible for compensation or budget items of any sort, and their contributions to the proposed research cannot be used as a source of cost-share. Graduate students cannot be included as PIs.

#### B. Duration of Proposed Work:

Funding made available under this Call will cover two years (2/1/2022 - 1/31/2024). While NYSG is accepting proposals for up to two years of work, only one year of support is awarded at a time. Continued support for the second year of a project will be contingent on demonstrated progress and annual Federal appropriations. Proposals for one-year projects are also welcome.

#### C. Budget Size (total of indirect plus direct costs):

The total budget request (direct + indirect costs) for a project may not exceed \$120,000 per year. Note that the budget estimates in pre-proposal submissions are expected to be realistic. A substantial budget increase (greater than 10%) in the full proposal compared to the pre-proposal will be viewed negatively and may result in either the proposal not being reviewed or budget cuts without changes in the scope of work. Awards under this Call are administered as a Cost Reimbursable Award (CRA) and successful applicants must submit invoices to NYSG for reimbursement.

#### D. Cost-Share Requirement:

Sea Grant requires non-federal cost-share (a.k.a. matching funds) support in the amount of at least 50 percent of the Sea Grant funds requested. For example, if \$100K is requested from Sea Grant, the proposal's budget page must demonstrate an additional \$50K of non-federal cost-share.

#### E. Limit on Salary Requests:

Principal and associate investigators with appointments providing nine (9) or more months of support annually are generally not allowed to receive more than two (2) months' total salary from NYSG per year. Other eligible principal and associate investigators will generally be allowed to receive up to six (6) months' salary from NYSG per year. These limits may be relaxed under exceptional circumstances, with prior approval from NYSG.



Under all circumstances, the amount of salary support requested or provided as cost-share must be warranted by the effort needed to conduct the project.

**F. Regional or Multi-state Proposals:**

All Sea Grant programs are on the same funding cycle, which facilitates collaborative projects between states. If you are interested in submitting a regional or multi-state proposal that is not part of a special Regional Call, you must contact NYSG’s Director and your co-PIs must contact their state Sea Grant director(s) or research coordinators prior to submission. It is critical that submitters be familiar with, and comply with, the due dates and processes as specified by their state’s Sea Grant program.

**G. Duplicate Submissions:**

NYSG should be immediately informed by the Principal Investigator if a proposal submitted under this Call will also be submitted elsewhere, e.g., in response to a call released by the National Sea Grant College Program, another state Sea Grant program, or any other funding agency or source. It is NYSG’s policy to consider only proposals submitted specifically in response to, and within the due dates for, this Call. Full proposals will not be considered unless they were in this Call's pool from the start as a pre-proposal.

**H. Data Management/Sharing Plan:**

NOAA regulations require that data and information collected and/or created under NOAA (including Sea Grant) grants must be made visible, accessible, and independently understandable to general users, free of charge or at minimal cost, in a timely manner (typically no later than two years after the data are collected or created), except where limited by law, regulation, policy or by security requirements.

The requirement has two basic parts: (1) environmental and socio-economic data generated by a grant project must be made available after a reasonable period of exclusive use, and (2) the grant proposal must describe the plan to make the data available.

To comply with this requirement, in NYSG’s full proposal stage, the principal investigator must include a data management plan that describes how the project’s data and metadata will be made available to others. Deposition of data in standard data archives (e.g., by discipline) or in available university archives is encouraged. This requirement for data archiving is in addition to the expected publication of research results in peer-reviewed journals. The proposed plan will be reviewed for compliance with NOAA requirements. If funds are needed for this task, they may be included in the project pre-proposal and full proposal budgets.

**I. Extension and Outreach Plan:**

All research proposals will be evaluated with regard to clear linkages between the objectives to be conducted and the public benefits that will result, in terms of improving the understanding, assessment, use, management, conservation, or restoration of marine and coastal resources. A demonstrated commitment to outreach (extension and/or communications) and/or education targeting appropriate audiences will be an important consideration during proposal evaluation. It is strongly suggested to identify target audiences and how they will be reached. If you need assistance with identifying appropriate target audiences, NYSG extension staff may be able to help. See the staff list in section VI.

Publication of results in academic journals alone is insufficient evidence of a successful outreach, education, or communication strategy.

Principal investigators of research projects funded under this award must develop, in collaboration with NYSG staff, an extension and outreach plan within two months of the start of the project. The extension and outreach plan is to be implemented throughout the duration of the project. The plan should be customized for the specific funded project and use tools and methods and target the audiences most appropriate to maximize the potential impact and use of the project results. Outreach plans can include a variety of tools and activities in any combination, including workshops, talks, social media, websites, articles, videos or other ideas developed in the plan. An extension and outreach plan template is provided with the instructions for full proposals sent to PIs encouraged to submit full proposals. Principal investigators of funded research projects will be contacted by NYSG staff after the start of their project to coordinate the development of the outreach plan. Please ensure inclusion of estimated expenses needed to support project related extension and outreach activities in both the project pre- and full proposal budgets. For help with estimating an amount to include in the budget estimate, NYSG extension staff may be able to help. See the staff list in section VI.

#### **J. Abbreviated Environmental Compliance Questionnaire:**

Principal investigators of research projects funded under this award must provide a filled out Abbreviated Environmental Compliance Questionnaire and copies of associated permits, and permission of access before data collection can begin. The questionnaire is a fillable pdf form that will be provided with the full proposal instructions along with guidance for filling out the form along with filled out examples.

#### **K. Sea Grant Scholar Fellowships:**

The Sea Grant Scholar Fellowship awards are a mechanism through which NYSG stimulates study and provides support, in the form of a stipend, to graduate students who carry out research relevant to projects funded through its program. In this case Sea Grant Scholars are fellows rather than employees which saves some costs to the project's budget.

Sea Grant Scholar Fellowship stipends are pre-determined by the principal investigator(s) of the project, and are based on the prevailing rates of the student's department at the time the project's budget was submitted to NYSG for funding consideration. When the project award is made, the investigator's account will not include funds proposed for Sea Grant Scholar Fellowship stipends. Those funds are "withheld" and Sea Grant Scholar payroll distribution is managed directly by NYSG. Any funds for Scholars are specified on the 90-4 budget form and on the project's Award Acceptance Form.

Full Sea Grant Scholar Fellowship details are sent with the full proposal instructions for PIs encouraged to submit full proposals. For questions, please contact New York Sea Grant's fiscal officer - JeanAnn Johnston at 631-632-6908 or [jean.johnston@stonybrook.edu](mailto:jean.johnston@stonybrook.edu). Project PIs are encouraged to include Sea Grant Scholars as part of their projects.

#### **L. What and When to Submit:**

NYSG uses a pre-proposal process. A complete, PC-readable Pre-proposal Submission Form (see Section VII) *must be received by the deadline of 4:30 pm EST on Thursday, February*

25, 2021 through NYSG’s electronic submission website: [www.NYSGProposal.org](http://www.NYSGProposal.org). Click on “New York Sea Grant’s Biennial Research Call for 2022-2023” under “Current Funding Opportunities” and follow all directions for electronic submission. *At the pre-proposal stage, signatures of principal investigators or campus officials are not required.*

Use all-around margins of at least 1” and a font size no less than #12 Times New Roman. Convert your document to pdf before submission. *Your project description, parts 6a – 6c is to be a maximum of two pages.*

Do *not* include information or materials supplemental to the Pre-proposal Submission Form (e.g., full budget, appendices, letters of support, etc.). Such materials will be discarded without review.

***Important notes about pre-proposal submission:***

Submissions that do not include the required information will not be considered (see Section VII for Instructions).

- Double-check your Pre-proposal Submission Form file before uploading it at the submission website to make sure it is PC-readable and that it is the final version. *The submission must be in the form of a single pdf file.* You will receive an auto-receipt from the website confirming your submission. If you do not receive an auto-receipt in your email after 10 minutes, check your spam folder and if not there then contact us.
- We recommend submission via a PC at your university office, with a current version of Edge, Firefox or Chrome web browser installed. If you are working from home due to COVID-19 restrictions at your place of work, you are responsible for making sure you have an adequate stable internet connection that will allow for your submission. Early submission will provide a buffer to deal with any unexpected connectivity issues.
- If you have trouble with submission through [www.NYSGProposal.org](http://www.NYSGProposal.org), call NYSG (631- 632-6906) to explain the problem. We will try to help, but cannot guarantee that we can solve your problem. In any case, unless the website becomes inoperable, it is *your* responsibility to plan accordingly and use equipment that will allow you to meet the deadline.
- A pre-proposal emailed after the deadline of 4:30 pm EST on February 25, 2021 will not be accepted and its lead investigator will be notified. Please be sure to watch the website’s clock (not your computer’s clock)! Even if you are on the website before the deadline, if your file is not submitted by 4:30 PM, it will be too late to be accepted. The official time stamp on the submission is provided by the website’s server.
- All pre-proposals submitted will be checked for compliance with the format, page limits and completeness of the pre-proposal sections. Any pre-proposals that fail the compliance check will be disqualified.

NYSG will not make exceptions to these conditions, so ***early submission is very strongly advised.***

## IV. THE REVIEW PROCESS

Pre-proposals submitted to NYSG in response to this Call will be reviewed by NYSG's senior program managers, extension specialists, and Program Advisory Council. The following criteria will be used in this evaluation:

- How well the project responds to one or more of the research priorities contained in Section II (0 to +5)
- Likelihood that the proposed approach will be successful (0 to +2)
- Expected actionable products and outcomes, anticipated societal benefits from the results (0 to +5)
- Other programmatic considerations such as geographic, institutional, and topic balance, may result in out of rank order selection

Only authors of the most highly-rated pre-proposals will be encouraged to submit full proposals. In this cycle, NYSG will invite about twice as many full proposals as it expects to be able to fund. Any PI who submits a preproposal is permitted to submit a full proposal. However, though non-encouraged proposal submissions are accepted they historically have had a low chance of success. During full proposal development, investigators will be expected to facilitate coordination with, or input from, industry, agency, or private groups as appropriate to ensure actionable research results and outcomes with a user-group. If you need assistance with identifying appropriate target audiences, NYSG extension staff may be able to help if PIs reach out proactively. See the staff list in section VI.

Full proposals will be subject to external peer review and a Technical Review Panel (TRP). Each full proposal will receive written peer reviews from three non-conflicted, external peer reviewers. Proposal PIs will be given masked copies of the written peer reviews and given the opportunity to write responses to the reviews. The TRP will consist of external academic peers. Peer reviewers and TRP members will be instructed to evaluate and score proposals based on the following criteria:

- 1) The fit and responsiveness to the NYSG goals and research topics listed in Section II of the *Biennial Research Call for 2022-2023* – how well the proposed work plan addresses the Goal and research topic of the *Call*;
- 2) the significance of the specific problem or opportunity – the degree to which the proposed research addresses an important issue, problem, or opportunity in development, use, or management of marine or coastal resources that will contribute significantly to achieving a Goal and Research Topic listed in the *Biennial Research Call for 2022-2023*;
- 3) the scientific or technical merit of the project – the degree to which the research activity uses appropriate hypotheses and methods; the degree to which it will advance the state of the science or discipline through development, use, or extension of state- of-the-art methods;
- 4) the expected actionable products, outcomes and anticipated societal benefits of the project results – significance and importance of the products (models, methods, and scientific information) and impacts (change in behavior/policies, economic and/ or

- social benefits, and environmental benefits) that are expected to result from this project; accessibility of the products and documentable impacts;
- 5) the appropriateness of the budget request and match – the degree to which the requested funding and matching costs levels are appropriate and reflect reasonable costs for the proposed research;
  - 6) the professional qualifications of investigators – the degree to which investigators are qualified by education, training, and/or experience to execute the proposed activity; record of achievement with previous funding.

Peer reviewers and TRP members are asked to provide comments under each criteria and provide an overall summary score as follows:

A = 4 = Excellent: Probably will fall among top 10% of proposals in the area of research; highest priority for support.

B = 3 = Very Good: Probably will fall among the top third of proposals in the area of research; should be supported.

C = 2 = Good: Probably will fall among the middle third of proposals in the area of research; worthy of support.

D = 1 = Fair: Probably will fall among the lowest third of proposals in the area of research.

F = 0 = Poor: Proposal has serious deficiencies; should not be supported.

Final proposal scores and ranking will be based on peer reviews and TRP scoring based on peer reviews, PI responses and Panel discussion. Final funding decisions are made by the NYSG senior leadership team and incorporate all peer and panel reviews and rankings, relevancy input from the New York Sea Grant Program Advisory Council, as well as availability of funding, prior award performance of applicants, and balance across the portfolio such as institutions, geography, focus areas, and applicant diversity, which may result in out of rank order proposals selected for funding. Selected applicants can expect notification in September 2021.

## V. CALL TIMELINE

January 6, 2021	Call for pre-proposals released
February 25, 4:30 pm	Deadline for pre-proposals (via the NYSG submission web site)
April 12	Pre-proposal Review Panel Meets*
April 15-19	NYSG notifies PIs of preproposal review panel results
June 14, 4:30 pm	Deadline for full proposals with all authorized signatures (via NYSG submission web site)
July 20-22	Full proposal PI's receive masked peer reviews for response
August 6	Deadline for PI responses to reviews
August 16	Technical Review Panel Meets*
August 20-21	NYSG notifies all investigators of funding decisions
September 20	Deadline for revisions, final budgets, NEPA questionnaire of successful proposals
February 1, 2022	Anticipated funding begins for new projects
By April 1, 2022	Outreach plan due

February 1, 2023

Anticipated funding continues for 2-year projects with satisfactory progress

\*Dates are approximate and tentative depending upon scheduling with panel members and NYSG's Program Officer at the National Sea Grant Office.

## VI. NEW YORK SEA GRANT STAFF

### **Research Administration** (at Stony Brook University)

**Rebecca L. Shuford**, Director (631-632-6905, [rebecca.shuford@stonybrook.edu](mailto:rebecca.shuford@stonybrook.edu))

**JeanAnn Johnston**, Fiscal Officer (631-632-6908, [jean.johnston@stonybrook.edu](mailto:jean.johnston@stonybrook.edu))

**Lane Smith**, Research Program Coordinator (631-632-9780, [lane.smith@stonybrook.edu](mailto:lane.smith@stonybrook.edu))

### **Extension Specialists** (locations throughout New York State)

**Katherine Bunting-Howarth**, Associate Director (607-255-2832 at Cornell University, [keb264@cornell.edu](mailto:keb264@cornell.edu)) – coastal policy and decision-making; public participation; human dimensions of coastal management.

**Mary Austerman** (315-314-3042 at Wayne County Cooperative Extension, [mp357@cornell.edu](mailto:mp357@cornell.edu)) – Great Lakes coastal communities; climate adaptation and resilience planning; aquatic invasive species.

**Michael Ciaramella** (631-632-8730 at Stony Brook University, [mc2544@cornell.edu](mailto:mc2544@cornell.edu)) – seafood safety; seafood production/processing; seafood utilization; seafood education.

**Antoinette Clemetson** (631-632-8730 at Stony Brook University, [aoc5@cornell.edu](mailto:aoc5@cornell.edu)) – marine recreational fisheries; lobsters; marine animal diseases.

**Emma Forbes** (914-285-4620 at Westchester County Cooperative Extension, [ef375@cornell.edu](mailto:ef375@cornell.edu)) - Aquaculture Specialist.

**Kathleen Fallon** (631-632-8730 at Stony Brook University, [kmf228@cornell.edu](mailto:kmf228@cornell.edu)) – marine facilities; coastal processes and erosion control; sea level rise and other coastal hazards.

**Stacy Furgal** - (315-312-3042 at SUNY Oswego, [S1f85@cornell.edu](mailto:S1f85@cornell.edu)) - Great Lakes fisheries and ecosystem health specialist.

**Katie Graziano** (718-951-5415 at Science and Resilience Institute at Jamaica Bay, Brooklyn College, [kag247@cornell.edu](mailto:kag247@cornell.edu)) - Coastal Resilience Specialist.

**Jessica Kuonen** (845-340-3983 at Kingston, NY, [jak546@cornell.edu](mailto:jak546@cornell.edu)) - Hudson Estuary Resilience Specialist.

**Jimena Perez-Viscasillas** (631-632-8730 at Stony Brook University, [jbp255@cornell.edu](mailto:jbp255@cornell.edu)) - Outreach Coordinator, Long Island Sound Study.

**David White** (315-312-3042 at SUNY College Oswego, [dgw9@cornell.edu](mailto:dgw9@cornell.edu)) – coastal recreational facility design, management, and operation; coastal recreation participation, uses, and impacts.

**Roy Widrig** (315-312-3042 at SUNY College Oswego, [rlw294@cornell.edu](mailto:rlw294@cornell.edu)) – Great Lakes coastal processes and hazards; aquatic invasive species.

**Vacant** (716-645-3610 at SUNY at Buffalo,) - Coastal Literacy Specialist; Associate Director, Great Lakes Program. During this interim vacancy please contact: **Katherine Bunting-Howarth**, Associate Director - [keb264@cornell.edu](mailto:keb264@cornell.edu)

**Communications Staff** (at Stony Brook University)

**Paul Focazio** (631-632-6910, [paul.focazio@stonybrook.edu](mailto:paul.focazio@stonybrook.edu)) – communications manager, web developer.

## VII. PRE-PROPOSAL SUBMISSION FORM INSTRUCTIONS

Be sure to use the format and provide the information as described below. **Every Section (1-9) and all of the information specified within it is required.** Submissions that do not include all of this information will NOT be reviewed or encouraged to submit a full a proposal. Any PI that submits a pre-proposal before the deadline can submit a full proposal. Though non-encouraged proposal submissions are accepted, they historically have had a low chance of success. Use all-around margins of 1” and a font size and type #12 Times New Roman. Convert your document to pdf before submission.

### Pre-proposal Submission to the NYSG Biennial Research Call for 2022-2023

Date: \_\_\_\_\_

**1. LAST NAMES OF PRINCIPAL INVESTIGATORS:** (e.g., Smith / Doe / Jones)

**2. BRIEF PROJECT TITLE:**

**3. INVESTIGATOR(S):** List **all** principal (PI), co-principal (co-PI), and associate (AI) investigators, including name, mailing address, telephone, and email for each. **Also** indicate eligibility category (#1, 2, 3, or 4) from the Call’s Section III.A for each. The primary institutional affiliation of the lead investigator must be an institution located in New York State. Students and NYSG staff cannot have PI, co-PI, or AI status.

**4. PROJECT DETAILS:**

**A. Addressing Which Research Topic:** Indicate or list the Research Goal, and Number, from Section II of this Call that will be addressed by this submission (e.g., *Goal A1, Number 2 Research that measures and compares the impact of habitat restoration when completed by community members versus volunteers or experts from outside of the local community*).

**B. Regional or multi-program submission?** Indicate yes or no, whether the pre-proposal is part of a regional or multi-program submission being considered by other state Sea Grant programs. If yes, indicate which Sea Grant programs. Proposals in response to Special Regional Sea Grant RFPs should not be submitted with this form. Yes \_\_\_ No \_\_\_

**C. Data Management Plan:** Indicate your acknowledgement that proposals recommended for funding must provide an acceptable data management/sharing plan to be added to the proposal and that compliance with the plan will be required, and that the preproposal’s budget estimate provides for this. Yes \_\_\_

**D. Extension and Outreach Plan:** Indicate your acknowledgement that an acceptable extension and outreach plan developed with NYSG extension staff will be required by two months after the start of a project if it is funded, and that the preproposal’s budget estimate provides for this. Yes \_\_\_

**E. Abbreviated Environmental Compliance Questionnaire:** Indicate your acknowledgement that an Abbreviated Environmental Compliance Questionnaire and copies of any required permits will be required for proposals recommended for funding and that data collection cannot begin before these items are reviewed and approved by the National Sea Grant Office and NOAA. Yes\_\_\_\_

**5. BUDGET: Total of direct plus indirect costs.**

**A. Estimated Request for Federal Funds from New York Sea Grant**

Year One \$ \_\_\_\_\_ Year Two \$ \_\_\_\_\_ Total Request \$ \_\_\_\_\_

**B. Estimated Non-Federal Cost-Share to be Provided to New York Sea Grant**

Year One \$ \_\_\_\_\_ Year Two \$ \_\_\_\_\_ Total Match \$ \_\_\_\_\_

**C. Expected Source(s) of Cost Share:**

Year One:

Year Two:

**6. BRIEF DESCRIPTION OF PROJECT:** Starting on a *new* page, **use no more than two pages** with the following a-c headings to describe your proposed project. Use all-around margins of at least 1” and a font size no less than #12.

- a) **STATEMENT OF THE ISSUE AND OBJECTIVES:** Explain how the research you propose will address the topic(s) you have chosen from Section II’s list. Present the overall objectives of your proposed study. Alternatively, if the proposal involves model and/or decision-making tool development, clearly state the intent and intended end-users.
- b) **APPROACH:** Very briefly describe the general approach to be used in accomplishing the objectives.
- c) **EXPECTED ACTIONABLE PRODUCTS, OUTCOMES AND ANTICIPATED SOCIETAL BENEFIT(S):** Explain what products (techniques, tools, models, and scientific information) are expected to result from this project, who will use them, how will they be engaged, and what the anticipated societal benefit(s) will be within New York and beyond. *This is one of the most important sections of your submission!*

**7. LITERATURE CITED:** Present the full citations for any work referenced in Section 6, where they may be labeled as (1), (2, 3), etc. The space required for Section 7 is not counted under the 2-page maximum for Section 6. If no references are used in Section 6, state “none”.

**8. CVs:** Provide a Curriculum Vita for each listed investigator (Principal Investigator, Co-Principal Investigator, Associate Investigator) with a 2-page maximum per person, using the format required by NSF. Contact NYSG if you need more information.

**9. POSSIBLE PEER REVIEWERS:** Starting on a new page, list the names and affiliations of four out-of-state individuals of national standing and pertinent expertise who we might ask to provide peer reviews of your submission. Do *not* include individuals with whom you have



worked or collaborated within the last 4 years or who would be considered to have a professional or personal conflict of interest. We may or may not use these individuals, so do not contact them yourself. You may also request that certain individuals not be asked to review your proposal.

The information for Section 9 is for internal NYSG use only. Like Sections 1 through 8, omitting this section will cause your submission to NOT be reviewed or encouraged to submit a full a proposal.