

## 2023 SEA GRANT COASTAL ADAPTATION AND RESILIENCE INSTITUTIONAL FUNDING

Sea Grant programs across the U.S. are scaling capacity to support additional hands-on, collaborative engagement to advance the sustainability of coastal and Great Lakes communities. Sea Grant awarded \$4 million in fiscal year 2023 funds to its grant-based programs nationwide to continue or expand ongoing work or address new opportunities related to coastal adaptation and resilience for the communities that Sea Grant serves.

### ALASKA SEA GRANT

Alaska Sea Grant will expand extension capacity to support rural coastal communities faced with erosion caused by thawing permafrost and coastal inundation requiring a retreat from the coast and increase the culturally relevant environmental literacy of eco-tour guides and tourists through the development of a natural history training module.

### CALIFORNIA SEA GRANT

California Sea Grant will strengthen coastal adaptation extension activities across the state by collaborating with coastal partner networks and conducting an offshore wind analysis with economic development, workforce capacity and inclusion of tribal and historically underrepresented students as central assessment elements to help communities balance development with sustainable futures.

### UNIVERSITY OF SOUTHERN CALIFORNIA SEA GRANT

University of Southern California Sea Grant will strengthen the ongoing AdaptLA program, operationalize results of the 2022-23 Coastal Practitioner Survey and help develop a PEMOCC (People on the Move in a Changing Climate) community of practice and research needs assessment.



**CONNECTICUT SEA GRANT**

Connecticut Sea Grant will support and expand the reach of current projects including the Climate Adaptation Academy, a forum for exchange of information between practitioners on climate resilience topics, and the UConn Climate Corps, an undergraduate learning opportunity to assist Connecticut communities in adapting to climate change.

**DELAWARE SEA GRANT**

Delaware Sea Grant will increase Advisory Service staff capacity in urban watersheds and coastal hazards, and they will expand the reach of the Coastal Resilience Design Studio to engage a greater diversity of coastal communities on resilience planning initiatives.

**FLORIDA SEA GRANT**

Florida Sea Grant will expand its resilience-related extension and education efforts, including developing a coastal resilience symposium and educational programming and resources to address coastal community needs like living shorelines and shoreline restoration.

**GEORGIA SEA GRANT**

Georgia Sea Grant will expand its outreach and community engagement activities that ensure that vulnerable and at-risk communities are resilient to extreme weather events and changing environmental and socioeconomic conditions.

**GUAM SEA GRANT**

Guam Sea Grant will support the continuation of extension activities related to the Guam Green Growth initiative and its Circular Economy Makerspace, the Guam Climate Change Resiliency Commission, and the Guam Coral Reef Resilience Strategy.

**HAWAI'I SEA GRANT**

Hawai'i Sea Grant will expand extension activities on the North Shore of O'ahu by supporting engagement, education, training, project implementation and partnership coordination related to community adaptation and resilience in response to climate change impacts.

**ILLINOIS-INDIANA SEA GRANT**

Illinois-Indiana Sea Grant will build resilience capacity in southern Lake Michigan by convening partners and co-producing materials that aid the translation of climate resilience information into action for coastal communities.

**LAKE CHAMPLAIN SEA GRANT**

Lake Champlain Sea Grant aims to increase environmental literacy as well as help build a workforce for addressing coastal resilience needs broadly focused on nature-based solutions by collaborating with low-income and new American cultural communities, and other communities traditionally underrepresented in watershed science programming.

**LOUISIANA SEA GRANT**

Louisiana Sea Grant will increase coastal resilience staff capacity with a focus on developing outreach materials and engagement events designed to address underrepresented communities' concerns surrounding wind and flood insurance issues within the state.

**MAINE SEA GRANT**

Maine Sea Grant aims to improve the social resilience of several coastal counties by providing research and extension capacity to strengthen connections within and between communities, the sectors involved in disaster response and recovery, and people and groups with heightened social vulnerability. This includes legal research to identify regulatory models for implementing resilience projects.

**MARYLAND SEA GRANT**

Maryland Sea Grant will support current and new initiatives including the Coastal Resilience Coordinator's large-scale conservation networks, community-based partnerships, workshop outcomes, science translation, and a liaison internship to advance coastal resilience priorities for Hispanic communities.



**MIT SEA GRANT (MASSACHUSETTS)**

MIT Sea Grant will build on a program that created artificial reefs by expanding design, testing, and scalable implementation in Massachusetts and the Northeast U.S. to protect the shore from storms, guide water flow, reduce beach erosion and provide substrate and shelter for marine life.

**WOODS HOLE OCEANOGRAPHIC INSTITUTION SEA GRANT (MASSACHUSETTS)**

Woods Hole Oceanographic Institution Sea Grant will organize a county-wide Cape Cod Coastal Resilience Week to engage communities and convey key messages about the vulnerability of Cape Cod to coastal storms, the importance of community resilience and the availability of resources for coastal hazards and storm preparedness.

**MICHIGAN SEA GRANT**

Michigan Sea Grant will link agencies and communities working on coastal resilience by developing a coastal managers' online resource hub, helping to create a state-wide coastal resilience network, and gathering coastal managers for a workshop designed to increase understanding of currently available data and resources.

**MINNESOTA SEA GRANT**

Minnesota Sea Grant will conduct an audit of the land-use codes and ordinances for two communities along Lake Superior to identify barriers to the use of green infrastructure and provide alternate language that removes these barriers and/or promotes the use of green infrastructure within these communities.

**MISSISSIPPI-ALABAMA SEA GRANT CONSORTIUM**

Mississippi-Alabama Sea Grant Consortium will develop a Coastal Adaptation and Resilience Leadership Program to provide coastal leaders in-depth climate, social and economic information and practical application solutions for informed community decision making.

**NATIONAL SEA GRANT LAW CENTER**

The National Sea Grant Law Center will expand a competitive funding opportunity for supporting projects that analyze coastal adaptation and resilience laws and policy issues, such as coastal urban adaptation, hazard mitigation plans, wetlands migration and wastewater system vulnerability.

**NEW HAMPSHIRE SEA GRANT**

New Hampshire Sea Grant will expand capacity to support New Hampshire communities as they face coastal resiliency and climate adaptation challenges and opportunities, including developing a 2-year work-plan through a collaborative needs and priority-setting exercise.

**NEW JERSEY SEA GRANT CONSORTIUM**

New Jersey Sea Grant Consortium will enhance coastal resilience extension activities, particularly in underserved communities, by expanding the New Jersey Coastal Resilience Collaborative and Green Infrastructure Champions program in underrepresented localities across the state's coast.

**NEW YORK SEA GRANT**

New York Sea Grant will use funds to address growing resilience needs in a responsive fashion by supporting additional extension and outreach programming in and along Great Lakes coastlines.

**NORTH CAROLINA SEA GRANT**

North Carolina Sea Grant will expand capacity in its resilience portfolio to assist communities in accessing scientific and technical information to address weather and climate related hazards through collaborative, science-based solutions.

**OHIO SEA GRANT**

Ohio Sea Grant will expand staff capacity in community resilience and environmental justice to help Lake Erie populations, especially under-resourced and disproportionately affected populations, prepare to live in the region as it changes due to environmental conditions.

**OREGON SEA GRANT**

Oregon Sea Grant will support two post-graduate fellows to assess, support, and engage with partners on resilience and adaptation priorities along Oregon's coast, such as tsunami preparedness or nearshore ecosystem management plans that support Tribal goals.



**RHODE ISLAND SEA GRANT**

Rhode Island Sea Grant will co-develop improved tools for municipal decision-making with respect to resilience and support the expansion of the Rhode Island Climate Resilience Learning Network.

**SOUTH CAROLINA SEA GRANT CONSORTIUM**

South Carolina Sea Grant Consortium will increase staff capacity to provide assistance to coastal communities, many underserved, as they enhance resilience and adaptation efforts and will organize a regional Sea Grant Resilience Workshop.

**TEXAS SEA GRANT**

Texas Sea Grant will increase awareness in technology that helps decision making around coastal energy transition, marine debris and sustainable consumption, natural and nature-based solutions, and early warning systems for coastal hazards.

**VIRGINIA SEA GRANT**

Virginia Sea Grant will expand staff capacity by supporting a research fellow who will work with municipal clients on resilience design and implementation activities and help build professional development for a climate-ready workforce by administering a research and development symposium.

**WASHINGTON SEA GRANT**

Washington Sea Grant will increase capacity and improve advisory services offered to coastal and fishing communities in Washington focused on improving resilience to coastal hazards and related economic, workforce development, environmental and cultural impacts.

**WISCONSIN SEA GRANT**

Wisconsin Sea Grant will collaboratively implement recommendations from a recent equity assessment, strategy and roadmap to help equitably address the needs of Wisconsin and Great Lakes communities.

