

January 2022

Latest "On My Coast" Explores Connection Between Art and Science



In this episode of On My Coast, Amara Davis and Hallee Meltzer are joined by Beth Lenz (Hawaii's Sea Grant), Keith Ellenbogen (MIT Sea Grant), and Syma Ebbin (Connecticut Sea Grant) for a roundtable-style conversation about art and science. Listen to the conversation, which covers some of the challenges and benefits of communicating science through art, and check out links to some of Sea Grant's work where art and science intersect.

[Listen to On My Coast](#)

Washington Sea Grant Shares Results of Invasive Green Crab Coastal Evaluation

Washington Sea Grant and the Washington Department of Fish and Wildlife coordinated a yearlong population assessment of the invasive European green crab in 2021, the first evaluation of its kind in two decades. The efforts by many partners to remove crabs and track the invasion confirmed that green crabs are more abundant and widespread in Washington's coastal estuaries than they are along inland shorelines, and will likely continue to increase. The results come as Washington's Governor, Jay Inslee, issued an emergency order to address the problem of invasive green crabs.

[See the results](#)



Connecticut Sea Grant Assists Designation of
NOAA's Newest National Estuarine Research



Reserve

NOAA announced the designation of the nation's 30th National Estuarine Research Reserve (NERR) in southeastern Connecticut. Connecticut Sea Grant worked closely with partner organizations to assist the designation process. The land areas of the resulting Connecticut NERR provide critical habitat for birds, fish, and other marine and coastal species of plants and animals in the region. The designation of these areas as a NERR will help provide valuable opportunities for these "living laboratories" to advance relevant efforts in environmental science, monitoring, education, and stewardship.

[Learn more from Connecticut Sea Grant](#)

Collaborative Network for Recirculating Aquaculture Moves Into Next Phase

Over the past three years, Wisconsin, Maine, and Maryland Sea Grant programs have been part of an innovative public/private network that is dedicated to building capacity for the U.S. recirculating aquaculture industry, the Recirculating Aquaculture Salmon Network (RAS-N). The National Sea Grant Office announced funding for RAS-N in 2019. While that three-year grant is now winding down, the collaborative network it helped build is not going away. Rather, it is entering an exciting new phase with \$10 million in funding from a U.S. Department Agriculture program designed to enhance sustainability in agriculture.

[Continue reading](#)



Congrats to Knauss 2021 Graduates, Welcome to Knauss 2022 Cohort!

On January 26, Sea Grant celebrated the 2021 Knauss Fellows and their successful completion of year-long fellowships in federal government offices. On February 1, Sea Grant will welcome the 2022 Knauss Fellows as they begin their fellowship placements.

[See office placements for Knauss Fellows](#)

American Lobster Initiative Project Examines Ocean Acidification Effects on Lobster Embryos

In this storymap from Virginia Sea Grant, learn about research being conducted at the Virginia Institute of Marine Science on how lobster embryos, one of the most vulnerable stages of a lobster's life, will be affected by ocean acidification. The project is part of the Sea Grant American Lobster Initiative, an effort to understand how the American Lobster will fare in a changing climate. For this project, two high school teachers worked alongside the researchers to create lesson plans that will bring the research experience to other teachers and students.

[View the storymap](#)



University of Guam Sea Grant Launches Legal Fellowship Program



The University of Guam Sea Grant is partnered with Blue Ocean Law to develop the UOG Sea Grant Legal Research Fellowship program. The new initiative aimed at law students and recent graduates with Guam roots provides legal training in environmental and human rights research, advocacy, and outreach. As part of the program, two new law students are working in the areas of environmental law and climate justice.

[Learn more from University of Guam Sea Grant](#)

Knauss Fellows Share Lessons Learned From Work in the Field, on the Hill

This month, Knauss Fellows Shellby Johnson, Michaela Margida, and Nicholas Anderson share reflections from their time at-sea, on Capitol Hill, and in the field during their 2021 fellowship positions. See their lessons learned about overcoming self-doubt, building confidence in a new position, and collaborating across organizations.

[Read the Knauss Blog](#)

[Check out Knauss Fellowship applicant resources](#)



Network Highlight: Woods Hole Sea Grant Boat Shrink Wrap Recycling Program

Since 2015, Woods Hole Sea Grant has conducted a seasonal free boat shrink wrap recycling program on Cape Cod. The 2021 program, conducted in partnership with Barnstable County, resulted in approximately 15,000-20,000 pounds of boat shrink wrap recycled. These efforts were recognized during local organization CARE for the Cape & Islands annual stewardship awards.

[Learn how to recycle boat shrink wrap](#)

Sea Grant Shares Recent Impacts and Highlights in Interactive Package

Sea Grant released a new summary packet with metrics and highlights on work completed between 2020-2021. The packet shares information on recent projects that support Sea Grant's diversity, equity, and inclusion initiatives and Sea Grant's four focus areas: healthy coastal ecosystems, resilient communities and economies, sustainable fisheries and aquaculture, and environmental literacy and workforce development. The packet features links to related interactive features, videos, and webpages to learn more.

[View the packet](#)

Valuing and actively supporting diversity, equity, and inclusion

The ways in which people interact with their communities and natural resources are a function of their beliefs, values, needs, and life experiences. By explicitly incorporating diverse perspectives and inclusively collaborating across stakeholder groups, Sea Grant can foster more equitable and sustainable natural resource management, and resilient communities and economies.

Georgia Sea Grant helps Promote Environmental Justice in Glynn County
From November 2020 through March 2021, Glynn County's Environmental Justice Advisory Board held its first ever Environmental Justice Advisory Workgroup with Georgia Sea Grant, preparing citizens to become change agents in their communities. A theme throughout the meeting was the importance of locally owned economic development as a path to resilience. The advisory produced new individuals who leads to involvement in future related projects in their communities.

Hawaii Sea Grant Trains Food Service Workers Impacted by Pandemic
Hawaii Sea Grant and partners led a seven-week course on restoring Indigenous food systems and associated food culture. For food security and to help bring jobs to Hawaii as a result of the COVID-19 pandemic, the diverse learning course focused on the Indigenous food of Hawaii, incorporating history, ecology, cultural practices, collection and harvesting techniques, and methods for growing and preserving. Graduates are able to work as formal educators for future food.

Illinois Indiana Sea Grant Educates on Water Affordability & Equity Issues
Hawaii Sea Grant collaborated with partners to better understand the concept of water affordability issues in westernmost Hawaii and other regions. Sea Grant Indiana Sea Grant identified key Chicago water issues, developed a report and strategies to address water affordability issues, and provided technical assistance to the City of Chicago in developing water affordability rate recommendations.

Sea Grant is working to actively advance diversity, equity, and inclusion throughout our work across four focus areas:

- healthy coastal ecosystems,
- resilient communities and economies,
- sustainable fisheries and aquaculture, and
- environmental literacy and workforce development.

More information at seagrant.noaa.gov/values

Funding and Career Opportunities

[Sea Grant Career Opportunities](#) Sea Grant has several job openings across the country, such as Director of Lake Champlain Sea Grant, Program and Event Coordinator with Alaska Sea Grant, Assistant/Associate Extension Agent with Louisiana Sea Grant, Science Writer and Digital Communications Specialist with North Carolina Sea Grant, Coastal Resilience Program Manager with Texas Sea Grant, and Communications Specialist with Washington Sea Grant

[John A. Knauss Marine Policy Fellowship Program](#) The Sea Grant Knauss Fellowship provides a unique educational and professional experience to graduate students who have an interest in ocean, coastal and Great Lakes resources and in the national policy decisions affecting those resources. Applicants are

strongly encouraged to reach out to the Sea Grant Program in their state one to two months prior to the state application deadline to receive application support and provide notification of an intent to apply. Applications must be submitted to the state Sea Grant program by **February 18, 2022**.

[Woods Hole Sea Grant Girls in Science Fellowship](#) Woods Hole Sea Grant is offering a week-long fellowship for current sophomore and junior women from Massachusetts high schools, to promote diversity in Science, Technology, Engineering, Art, and Math and expose young women to a variety of marine careers. Applications are due **March 23, 2022**.

Connections and Partner Updates

[Updated NOAA National Marine Ecosystem Status Website](#) NOAA is excited to launch the updated NOAA National Marine Ecosystem Status website. This website provides the interested public, educators, outreach specialists, and others a starting point to see how marine ecosystems across the U.S. are doing. It also provides access to all of NOAA's ecosystem resources and data in one place for audiences that want a deeper dive. Please explore the site and share your feedback with nmfs.eiwg@noaa.gov.

[Fifth National Climate Assessment Virtual Public Engagement Workshops](#) The U.S. Global Change Research Program and the authors of the Fifth National Climate Assessment are hosting a series of virtual public engagement workshops to inform the development of this federal climate report on how climate change affects people and places in the United States. These workshops are free and open to the public. To register for any of the events, taking place through February 2022, please [click here](#).

[NOAA B-WET Regional Programs and Competitions](#) NOAA's Bay Watershed Education and Training Program (B-WET) has five funding opportunities available across the country that are currently open. The competitive grants promote Meaningful Watershed Educational Experiences. Deadlines vary. More information [available here](#).

[Ocean Decade February Public Session](#) Join the U.S. National Committee for the Ocean Decade for a public session on **February 1, 2022**, from 4-5:30 pm ET. One year since the [Ocean Decade: U.S. Launch Meeting](#), attendees will hear an update on Ocean Decade U.S. efforts from the new cohort of the U.S. Youth Advisory Council for UN Ocean Decade and an introduction to the soon-to-be endorsed Decade Collaborative Center to support regional coordination in the NE Pacific. [Please register in advance here to attend](#).

[NFWF Emergency Coastal Resilience Fund 2021 Request for Proposals](#) The National Fish and Wildlife Foundation announced the release of the Emergency Coastal Resilience Fund 2021 Request for Proposals, to support projects that increase the resilience of wildlife habitat and coastal communities impacted by hurricanes and wildfires in 2020 and 2021. NFWF will award approximately \$24 million in grants through this RFP, and due to the emergency nature of these funds, a non-federal match is not required. Full proposals are due by **February 3, 2022**.

[NSF Design and Discovery Forum: Climate Science, Children, and the Media](#) The National Science Foundation's Directorate for Education and Human Resources invites you to participate in a forum to stimulate a national conversation on the topic of climate science education for children ages 5-11. This meeting will explore the potential for the media industry to collaborate with the scientific community to create content that is scientifically accurate and effectively engages children with climate science. [Register for the event](#), which will take place on **February 11, 2022**.

[Youth Dialogues on the National Climate Assessment](#) University and high school students are invited to a special event to discuss the Fifth National Climate Assessment (NCA5), a major U.S. Government report on how climate change affects people and places in the United States. Attendees will have the chance to hear from authors of the assessment and discuss together how the report can learn from and reflect the concerns of young people in the US. [Register for the event](#), which will take place on **February 15, 2022**.

[NOAA Digital Coast Training: Seven Best Practices for Risk Communication](#) Help your community prepare for and respond to weather and climate hazards in this interactive webinar on risk communication. Whether beginning a new effort or trying to keep people motivated to better prepare for future hazards, applying risk communication principles will lead to more effective results. [Register for the training](#), which will take place on **February 15, 2022**.

[NOAA Ocean Acidification Program Education Mini-Grant Opportunity](#) The Ocean Acidification Program education mini-grant initiative is a competitively based program that supports coastal and ocean acidification education programs that are responsive to the goals of the NOAA Ocean Acidification Education Implementation Plan and 2021-2040 NOAA Education Strategic Plan. Priority goals include engaging diverse audiences in ocean acidification education and outreach, matching ocean acidification communication needs with existing research, education and outreach activities, while developing innovative approaches for community involvement. Proposals are due 11:59 pm ET on **February 18, 2022**.

[NOAA IN FISH! Internship Program](#) The NOAA Fisheries Inclusive Fisheries InternSHIP (IN FISH!) program is now accepting applications for the summer 2022 program. Launched in 2021, IN FISH! is a

paid summer internship for diverse undergraduates interested in careers in fisheries, marine and environmental sciences, resource management, education, and outreach. Application deadline is 11:59 pm ET **February 18, 2022**.

[NOAA Coral Restoration Projects Funding Opportunity](#) NOAA announced the availability of approximately \$500,000 in Ruth Gates Coral Restoration Innovation Grant funding in 2022. Project proposals are sought from non-federal partners to advance scientific applications to help corals respond to threats, such as ocean warming or coral disease, and enhance the survival of sexually derived corals with the goal of increasing the range of traits within coral populations. The deadline for proposals is **February 23, 2022**.

[U.S. Department of Energy Inclusive Energy Innovation Prize](#) The U.S. Department of Energy has launched the new Inclusive Energy Innovation Prize that will award up to \$2.5 million in cash prizes to groups and organizations that support entrepreneurship and innovation in communities historically underserved in climate and energy technology funding. The prize is open for submissions for Phase One, and closes **February 25, 2022**.

[U.S. Department of Energy Energy Transitions Initiative Partnership Project](#) The U.S. Department of Energy's Energy Transitions Initiative Partnership Project works alongside remote, island, and islanded communities to transform their energy systems and increase energy resilience through strategic energy planning and the implementation of solutions that address their specific challenges. NREL is soliciting applications for the second year of technical assistance for remote, island, and islanded communities in the United States. Applications are due by **April 15, 2022**.

[2023 Call for Nominations for the NOAA Hydrographic Services Review Panel Federal Advisory Committee](#) The panel advises NOAA on operations and research issues related to navigation, hydrographic surveying, nautical charts, tides and currents, geodetic and geospatial data and measurements, Arctic priorities and coastal data and resilience. Applicants should have expertise in marine navigation, port administration, maritime shipping or other intermodal transportation industries, cartography and geographic information systems, geodesy, geospatial data, physical oceanography, coastal resource management, including coastal resilience and emergency response, or other science-related fields. Nominations are due via email no later than **April 15, 2022**.

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