



Maryland Sea Grant receives financial support from Congress through the National Sea Grant College Program within the National Oceanic and Atmospheric Administration, as well as support from the University System of Maryland and other external grants and contracts.

RESILIENT COASTAL COMMUNITIES: Supporting Maryland's Coastal Residents

Maryland Sea Grant has a long history of helping coastal communities become more resilient to weather and climate hazards. We partner with local organizations, businesses, governments, and community members to provide scientific research, education, and outreach that supports those most vulnerable to the impacts of climate change.



OUR WORK

Projects

Take a look at some of the projects we've funded and supported in 2022 and 2023:

In 2022, we hosted a workshop to develop **large-scale marsh restoration** project ideas with a focus on environmental justice. Participants developed 11 project ideas, and as a result, the EPA directed funding to the Chesapeake Bay Trust to address these issues.

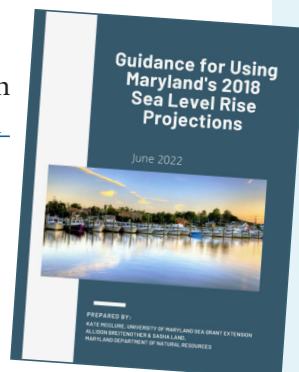


We partnered with the NGO ecoLatinos in 2023 to understand the **resilience priorities of Hispanic coastal and Chesapeake Bay communities**—how they interact with the water, how they've been impacted by climate change, and what resources they need.

To date, we've conducted three focus groups with 22 participants in Baltimore and Annapolis.



An Extension specialist worked with the Maryland Department of Natural Resources in 2022 on a **guide for interpreting sea level rise** data. The guide helps state agencies, local governments, and NGOs **include sea level rise projections in planning and regulatory projects**.



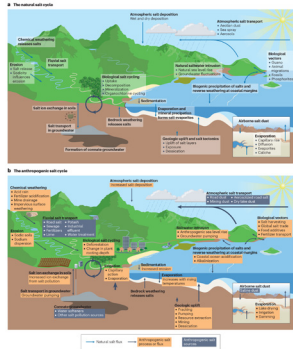
In 2022, our Extension team helped **train 33 people in sustainable landscape maintenance and stormwater management** to help the town of Easton meet clean water goals for the Chesapeake Bay.



OUR WORK

Projects

Maryland Sea Grant-supported researchers found that **excess salt in freshwater** can produce “chemical cocktails” harmful to wildlife, the environment, and human health. They presented their findings to about 1,000 practitioners and scientists and worked with the EPA to develop a fact sheet for the public.



In 2022 and 2023, an Extension specialist led [20 webinars on water quality](#), with topics including pond management, contaminants of emerging concern, and **well and septic system maintenance**. The specialist also worked with the state industry association to train professionals who work on well and septic systems.

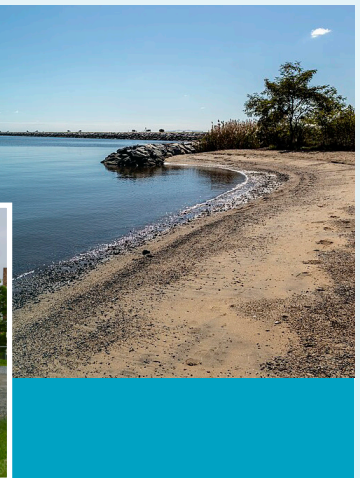


In 2023, we convened 74 participants to collaborate on building a **Maryland-based built environment design program to address climate resilience and adaptation** for our coastal communities.



WHY OUR WORK MATTERS

Maryland’s coastal region includes 16 counties and Baltimore City, where **more than 4 million people — 70 percent of the state’s population** — live, work and recreate. With rising sea levels, changing precipitation patterns and warming air and ocean temperatures, the region faces a variety of risks to human safety, property, and natural ecosystems.



Contact Maryland Sea Grant

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Maryland Sea Grant is a federal-state partnership program that is part of the University System of Maryland. We are administered by the University of Maryland Center for Environmental Science and located in College Park, Maryland. Sea Grant Extension faculty are administered by the University of Maryland, College Park, and located in offices around the state. The National Sea Grant College Program is a network of 34 university-based programs in coastal and Great Lakes states, Puerto Rico, and Guam.

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