

# Sea Grant

## MARYLAND

Maryland Sea Grant appreciates Congress' support for the National Sea Grant College Program within the National Oceanic and Atmospheric Administration. We seek continued support for our efforts in marine and coastal research, education, and outreach.

**Maryland Sea Grant (MDSG)** is a federal-state partnership organization of the University System of Maryland. MDSG funds research, supports students and educators, and reaches out to communities about the Chesapeake Bay, Maryland's Coastal Bays, and coastal issues.

## Our Focus Areas



**Environmental Literacy & Workforce Development**



**Healthy Coastal Ecosystems**



**Sustainable Fisheries & Aquaculture**



**Resilient Communities & Economies**

## Economic Impacts of Our Work

### Keeping Our Seafood Safe:

Our Extension specialist taught **seafood safety certification courses** in 2024, helping seafood producers, processors, and distributors prevent hazards in food production. These trainings supported 27 jobs for a value of \$947,000.



### Bringing Aquaculture Tech to Classrooms:

Our education team brought **aquaponic systems to classrooms** in Carroll County and Baltimore City schools. Students working with these systems learn **hands-on scientific skills**. Support for these aquaculture programs was valued at more than \$136,000 in 2024.



### Training Landscapers for Healthy Waterways:

The **Chesapeake Bay Landscape Professional Certification** program certifies landscaping professionals to design, install, and manage conservation landscaping that benefits our waterways. Our Extension specialists taught marketable skills to 594 professionals in 2024, with a total value of \$24 million in jobs supported.



### By the Numbers\*

# 5,271

people attended MDSG's 106 public and professional presentations.

# 116

undergraduate students gained critical skills to prepare for their careers.

# 38

graduate students gained research skills and contributed to the coastal and marine sciences.

# 1,610

K-12 students participated in education programs or learned from MDSG-trained educators.

\*2024

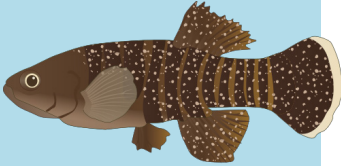
# Research in Action


Our watershed restoration team assisted with the implementation of more than **350 green infrastructure projects** and secured more than **\$1.5 million** in research and implementation funding to advance restoration projects in Maryland communities.



**13** research projects representing a variety of coastal and marine science disciplines were supported by MDSG funding in 2024.

[www.mdsg.umd.edu/research-projects](http://www.mdsg.umd.edu/research-projects)



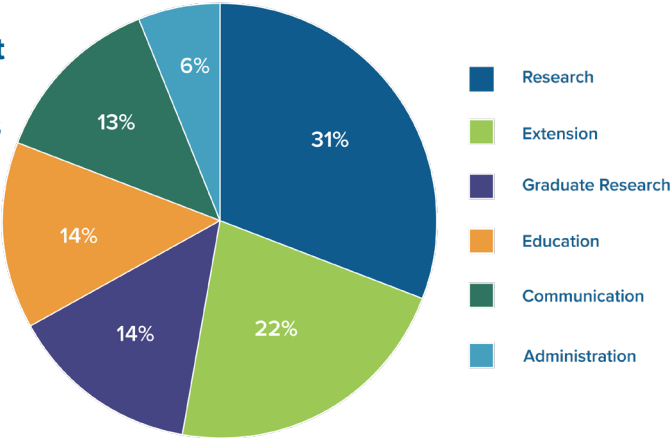


MDSG helps communities manage flooding and coastal erosion. In 2025, we co-led community engagement for a **design competition in which student teams proposed solutions to coastal issues** in Galesville, Maryland. Of five participating teams, a Maryland-based community college-graduate team won second place in the competition! Local community members attended the competition.

## Our Funding

Maryland Sea Grant builds upon its base funding from Congress with support from the state of Maryland, which provided \$2,602,611 to support MDSG efforts in research, education, and outreach in 2024. We secured \$3,342,973 in additional funding and helped others to secure \$5,622,931 to advance the priorities of our constituents.

How We Spent Our Core Federal Funds (\$1,867,149) in 2024



## Partnerships



**154** Partners

In 2024, MDSG partnered with a variety of organizations to advance research, education, and outreach programming that impact local communities and economies.

Maryland Sea Grant is 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.

Contact Maryland Sea Grant  
Fredrika Moser, Director: [moser@mdsg.umd.edu](mailto:moser@mdsg.umd.edu)

[mdsg.umd.edu](http://mdsg.umd.edu)

