

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

Training Landscapers for Healthy Waterways: The Chesapeake Bay Landscape Professional Certification program certifies young landscaping professionals to design, install, and manage conservation landscaping that benefits our waterways. Our Extension specialists **taught marketable skills to 379 professionals** in 2023, with a total value of \$15 million in jobs supported.

Enhancing K-12 education:

Our educational programming provides students with an array of STEM learning opportunities. In 2023, our education team **led professional development for 35 educators** and supported the operation of aquaculture systems in Carroll County classrooms—a total value of over \$129,000.



Growing shellfish aquaculture:

An Extension specialist who provides training for oyster farmers in applying for business loans helped growers to request and receive \$290,000 in loans, **helping four businesses succeed** in this expanding industry.



By the Numbers*

5,683

people attended MDSG's 125 public and professional presentations.

147

undergraduate students gained critical skills to prepare for their careers.

47

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

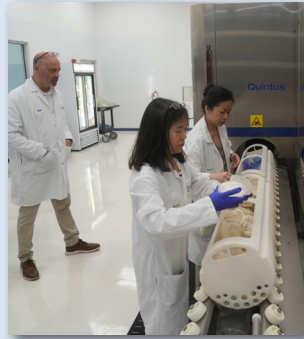
1,246

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

*2023

Research in Action

Our team of 14 Extension specialists works throughout Maryland to help industries and communities achieve economic health and environmental sustainability. In 2023, an Extension specialist used NOAA funding to develop a blue crabmeat processing protocol using a new technology that **extends shelf life of crabmeat by up to three weeks**. A watershed restoration specialist worked with three underresourced communities in the Chesapeake Bay to address flooding, presenting information to **149 stakeholders at community meetings** from 2021–2023 and helping to leverage \$514,000 in project funding.

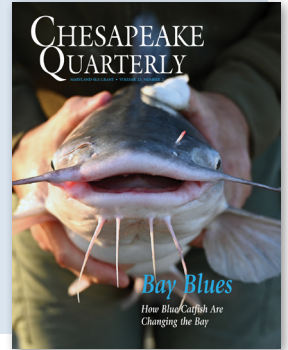


10

research projects representing a variety of coastal and marine science disciplines were supported by MDSG funding in 2023.

www.mdsg.umd.edu/research-projects

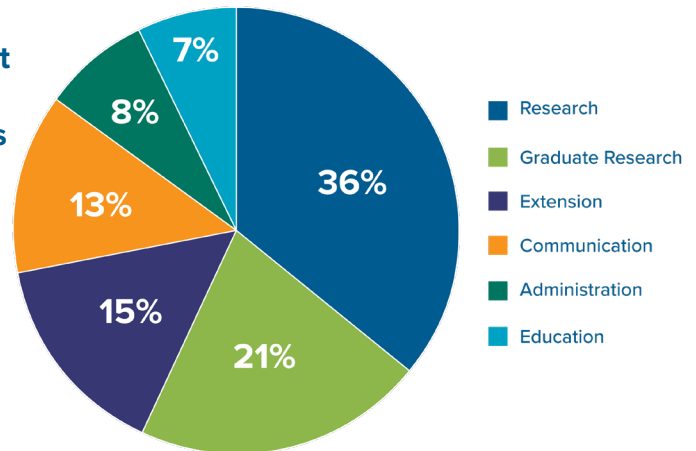
MDSG recently published two magazine issues informing the public about Chesapeake Bay seafood and aquaculture. A 2023 issue of *Chesapeake Quarterly* highlights **oyster aquaculture** and a 2024 issue takes on **blue catfish**, an invasive fish in the Bay.



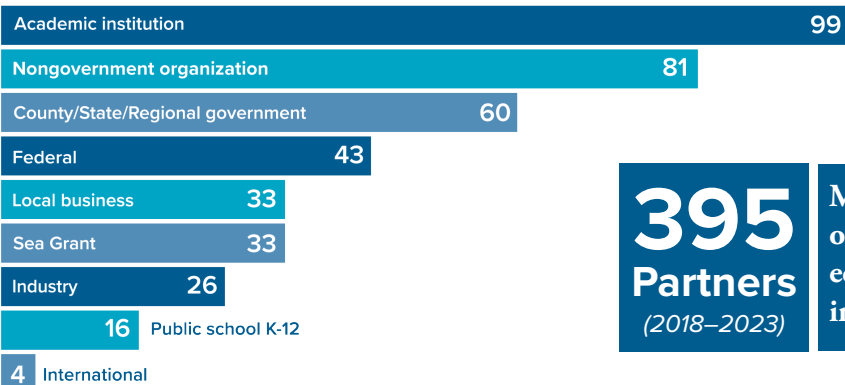
Our Funding

Maryland Sea Grant builds upon its base funding from Congress with support from the state of Maryland, which provided \$2,705,399 to support MDSG efforts in research, education, and outreach in 2023. We secured \$2,670,394 in additional funding and helped others to secure \$1,235,383 to advance the priorities of our constituents.

How We Spent Our Core Federal Funds (\$1,719,354) in 2023



Partnerships



395 Partners
(2018–2023)

MDSG partners 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

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