

# Maryland Sea Grant Extension's Community Value

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To file a program discrimination complaint, a complainant should complete a Form AD-3027, USDA Program Discrimination Complaint Form, which can be obtained online, at [www.usda.gov/sites/default/files/documents/usda-program-discrimination-complaint-form.pdf](http://www.usda.gov/sites/default/files/documents/usda-program-discrimination-complaint-form.pdf), from any USDA office, by calling (866) 632-8992, or by writing a letter addressed to USDA.

The letter must contain the complainant's name, address, telephone number, and a written description of the alleged discriminatory action in sufficient detail to inform the Assistant Secretary for Civil Rights (ASCR) about the nature and date of an alleged civil rights violation. The completed AD-3027 form or letter must be submitted to USDA by:

mail:  
U.S. Department of Agriculture  
Office of the Assistant Secretary for Civil Rights  
1400 Independence Avenue, SW  
Washington, D.C. 20250-9410; or

fax:  
(833) 256-1665 or (202) 690-7442;

email:  
[program.intake@usda.gov](mailto:program.intake@usda.gov).

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La información del programa puede estar disponible en otros idiomas además del inglés. Las personas con discapacidades que requieren medios de comunicación alternativos para obtener información sobre el programa (por ejemplo, Braille, letra agrandada, grabación de audio y lenguaje de señas americano) deben comunicarse con la agencia estatal o local responsable que administra el programa o con el TARGET Center del USDA al (202) 725-2600 (voz y TTY) o comunicarse con el USDA a través del Servicio Federal de Transmisión de Información al (800) 877-8339.

Para presentar una queja por discriminación en el programa, el reclamante debe completar un formulario AD-3027, Formulario de queja por discriminación del programa del USDA, que se puede obtener en línea, en

[www.usda.gov/sites/default/files/documents/usda-program-discrimination-complaint-form.pdf](http://www.usda.gov/sites/default/files/documents/usda-program-discrimination-complaint-form.pdf), en cualquier oficina del USDA, llamando al (866) 632-8992, o escribiendo una carta dirigida al USDA. La carta debe contener el nombre, la dirección y el número de teléfono del reclamante, y una descripción escrita de la supuesta acción discriminatoria con suficiente detalle para informar al Subsecretario de Derechos Civiles (ASCR, por sus siglas en inglés) sobre la naturaleza y la fecha de la presunta violación de los derechos civiles. La carta o el formulario AD-3027 completado debe enviarse al USDA por medio de:

correo postal:  
U.S. Department of Agriculture  
Office of the Assistant Secretary for Civil Rights  
1400 Independence Avenue, SW  
Washington, D.C. 20250-9410; o

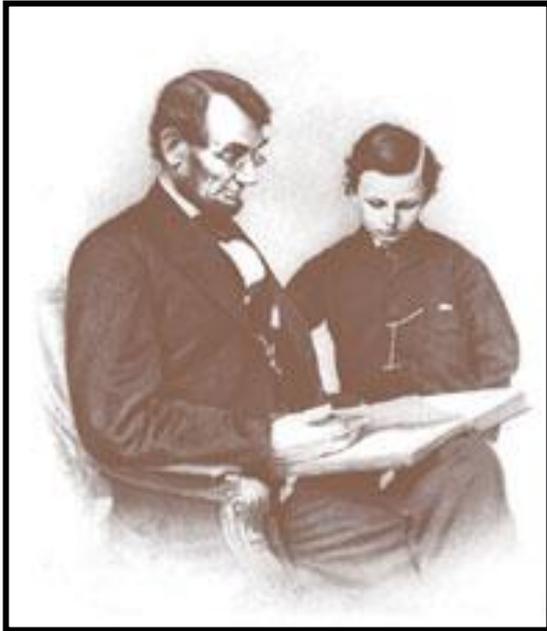
fax:  
(833) 256-1665 o (202) 690-7442;

correo electrónico:  
[program.intake@usda.gov](mailto:program.intake@usda.gov).

Esta institución ofrece igualdad de oportunidades.

# Extension roots, bringing science to the people...

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Morrill Act was signed by President Lincoln in 1862

## 1862

- Tract of federal land “granted” to each state, 30,000 acres
- Each state would have a public institution of higher learning
- Focus on improving agricultural practices, family, and home life
- Land Grant institutions with emphasis on teaching, research, and outreach to the community
- 1890 Second Morrill Act provided funding for black colleges and universities
- 1914 Smith Lever Act- Established Extension

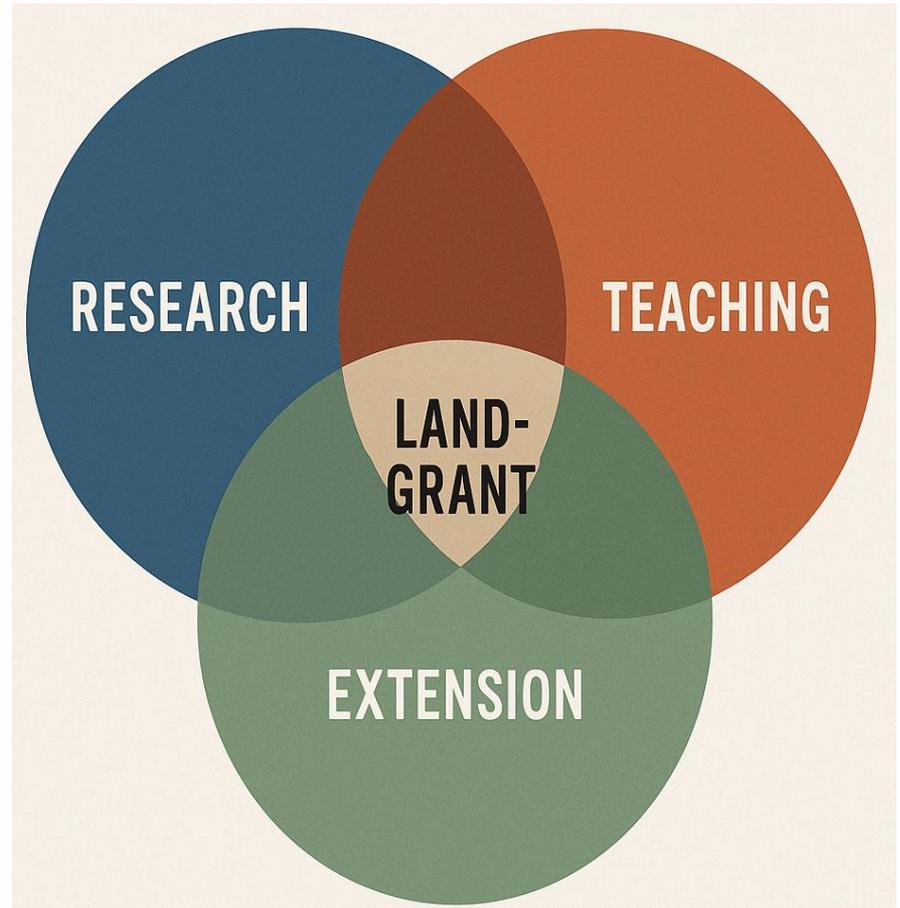
# Extension is....

One of the three arms of the Land-Grant University System

- Teaching
- Research
- Extension

World's largest out-of-school non-formal education system

- Over 16,000 faculty and staff in over 3,000 counties nationwide
- Thousands more volunteer educators



# Extension is...a system of partnerships

## Federal

- Program leadership
- National initiatives
- Funding
- External partners

## State

- Land Grant University
- Facilities & support
- Staff
- Educational materials
- Funding
- External partners

## Counties

- Office facilities and support
- Support staff, paraprofessionals
- Travel budget / Funding
- Equipment, supplies
- External partners



**PARTNERSHIPS**

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**FEARLESS IDEAS**

# Extension is.... an extension into the community

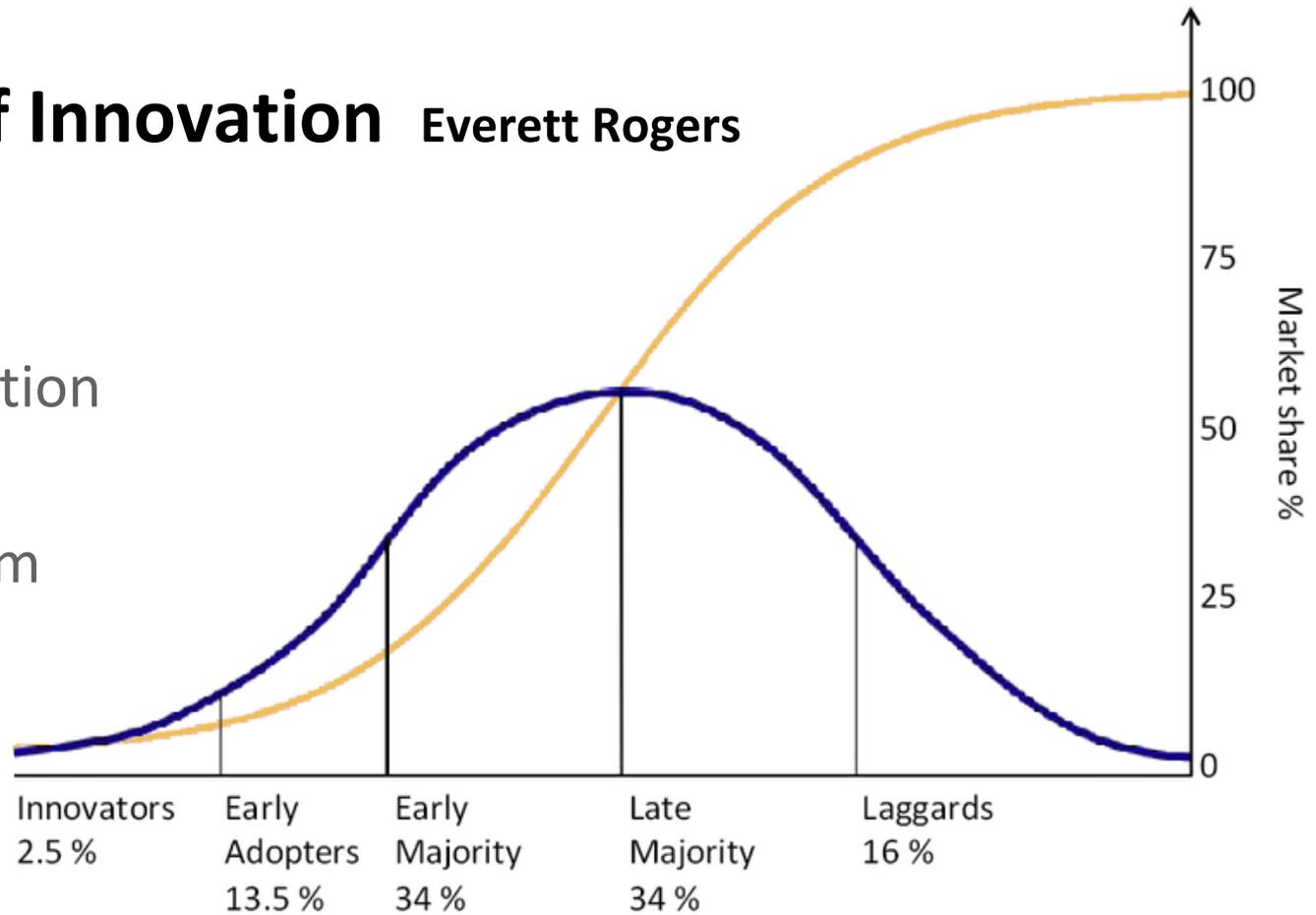
**The real world is our campus!**

- Provide unbiased research-based knowledge, information and education
- Education that is used to “Help People - Help Themselves”
- Links the education and research resources of the USDA, state, and county administrative units



# Diffusion of Innovation Everett Rogers

Innovation  
Communication  
Time  
Social System



# THE RESEARCH—EXTENSION—USER CONTINUUM

## **EXTENSION**

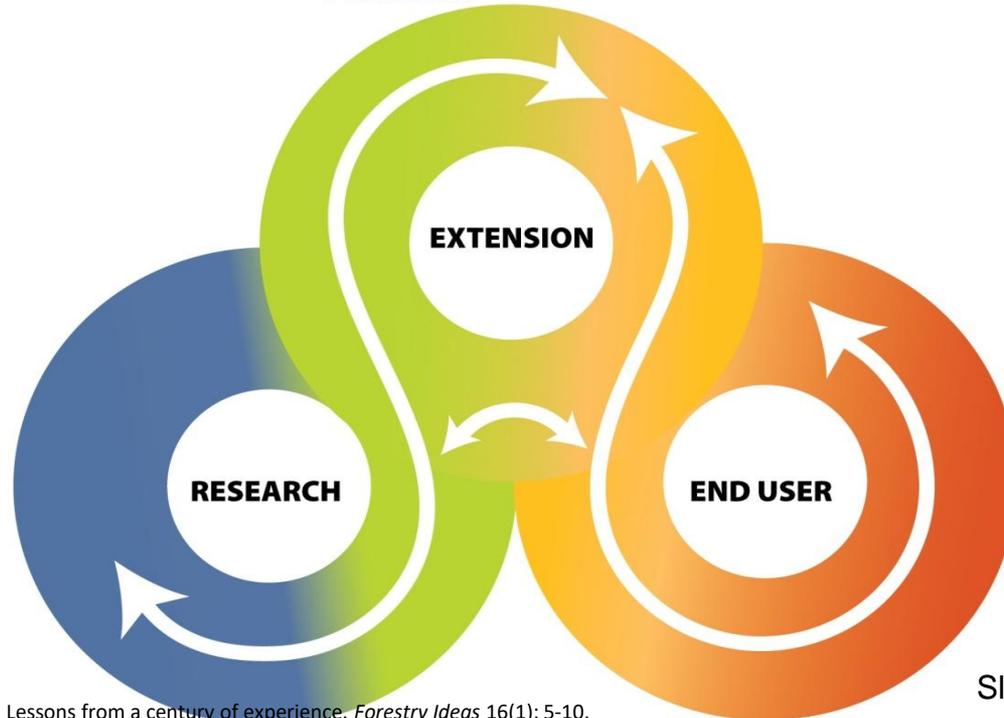
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Issue Identification  
Applied Inquiry  
Program Development/Delivery/Evaluation  
Publication

## **RESEARCHER**

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Issue Identification  
Basic and Applied Inquiry  
Discovery  
Data Analysis  
Publication  
Outreach  
Technology Transfer



## **END USER**

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Issue Identification  
Advising Panels  
Research/Extension Participant  
Volunteer  
Adopter

# Maryland Sea Grant – Mission and Institution

*Science serving Maryland's coasts, watersheds, and communities*

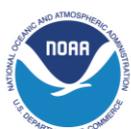
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## Mission

To conduct a locally responsive and nationally eminent program that advances the sustainable use and conservation of coastal, marine, and watershed resources in Maryland, in the Mid-Atlantic region, and in the nation.

## Institutional Setting

Maryland Sea Grant is a partnership among NOAA, the University System of Maryland, and many stakeholders.



UNIVERSITY SYSTEM  
*of* MARYLAND



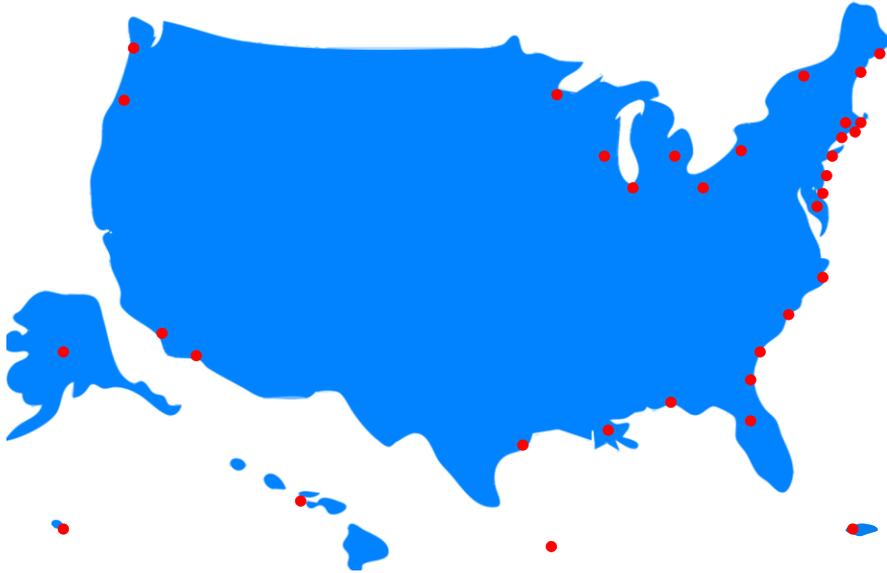
University of Maryland  
CENTER FOR ENVIRONMENTAL SCIENCE

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**FEARLESS IDEAS**

Slide courtesy of Fredrika Moser

# Sea Grant Network



- 1966 National Sea Grant College Program Act
- 34 Sea Grant Programs, a network of Universities
- Funded via NOAA (US Dept and Commerce) match from University (State of MD)

Maryland Sea Grant

# STRATEGIC PLAN

2024–2027



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- **Focus Area 1**

Environmental Literacy and Workforce Development

- **Focus Area 2**

Healthy Coastal Ecosystems

- **Focus Area 3**

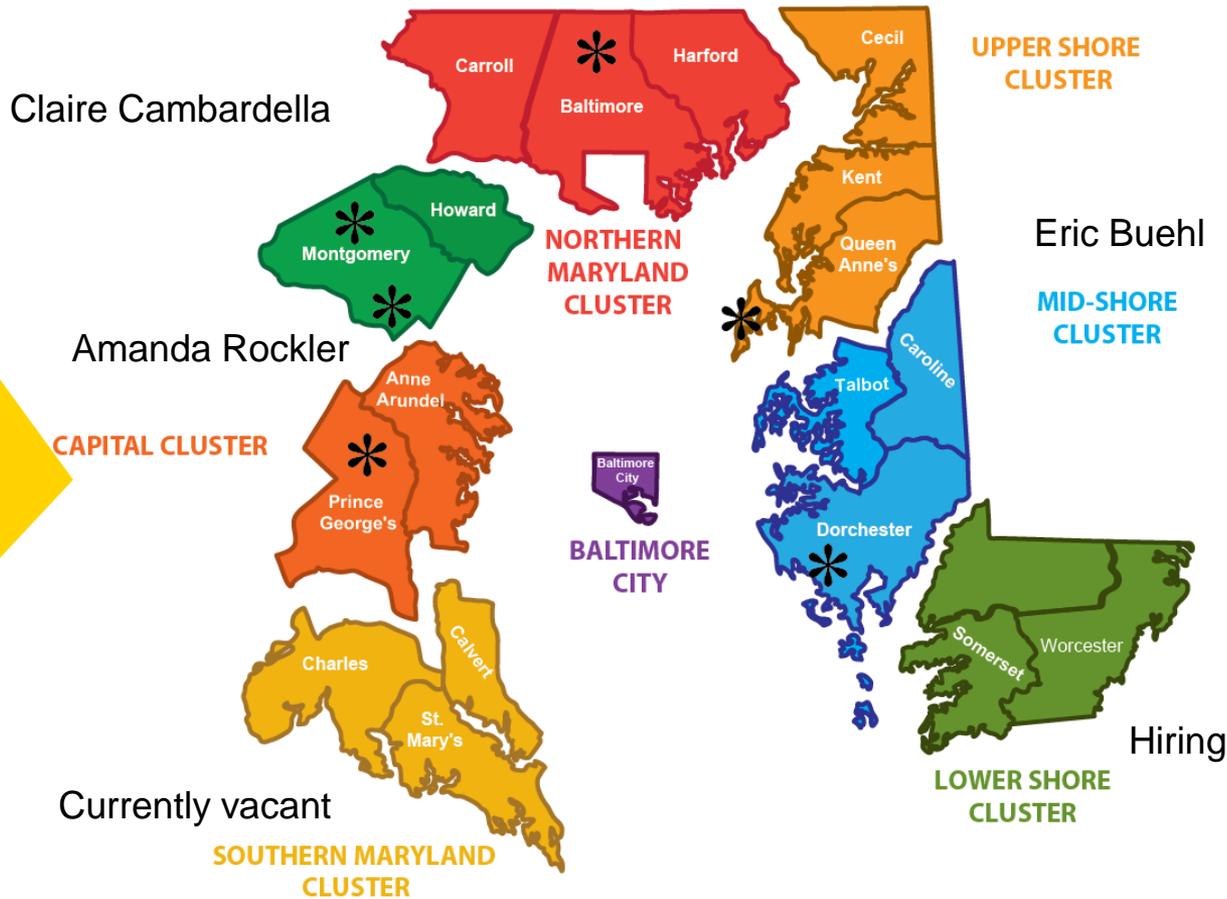
Sustainable Fisheries and Aquaculture

- **Focus Area 4**

Resilient Communities and Economies

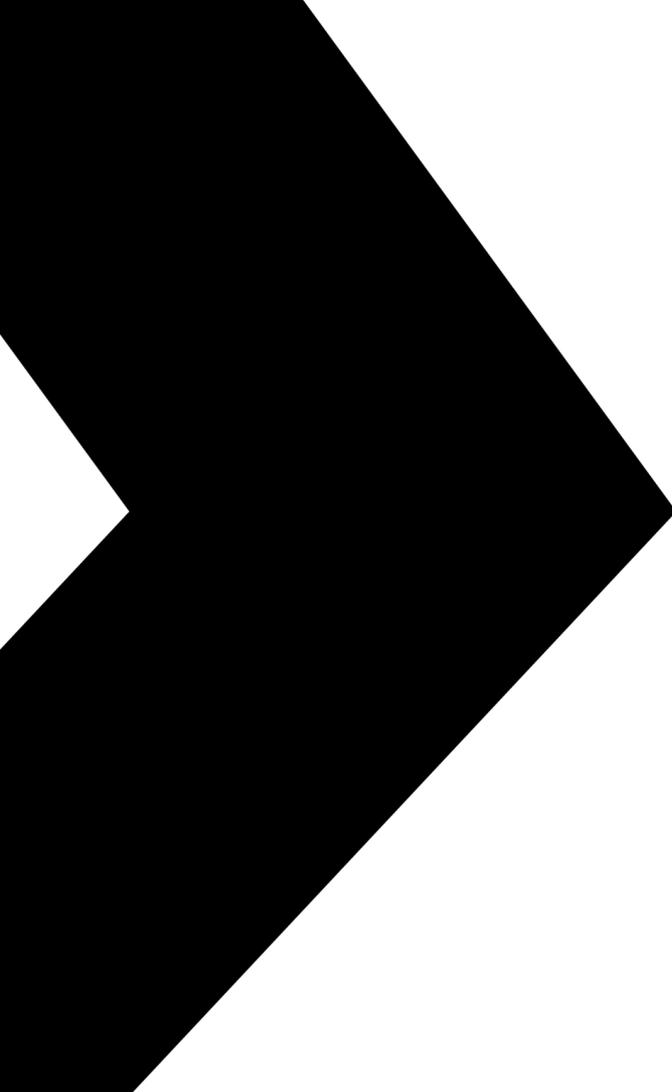
Land and  
Climate

Watershed  
Protection  
and  
Restoration  
Program



Kayle Krieg Statewide Specialist  
Andy Lazur Statewide Specialist

MDSG team  
Flooding Statewide Specialist (hiring)

- 
1. Assist in achieving measurable improvements in water quality\* and reducing water quantity.
  2. Build Environmentally Aware and Action-Oriented Communities

\*Helping meet the Bay 2025 (and beyond) TMDL goals

# WATERSHED ASSISTANCE COLLABORATIVE

PUTTING RESOURCES AT THE LEVEL WHERE THE WORK GETS DONE

Maryland Department of Natural Resources

Chesapeake Bay Trust

UMD Sea Grant Extension

Maryland Department of the Environment

Maryland Department of Planning

Environmental Finance Center



(WAC)



Planning and Design  
Technical Assistance  
Stormwater Financing and Outreach  
Training Opportunities



## CAPACITY BUILDING

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FEARLESS IDEAS

# Maryland Watershed Restoration Assistance Directory



Welcome to the Maryland Watershed Restoration Assistance Directory. This tool offers one-stop shopping; anyone interested in finding funds or technical assistance to implement projects that restore Maryland's streams, rivers, bays, and watersheds.

Included are programs offered by a wide range of entities, including federal, state, and local governments nonprofit organizations, and private foundations. Entries are in alphabetical order by topic. Each one is marked with symbols that indicate whether the assistance is funding (\$), technical (T), or both. Each listing includes description, due date, program web page link, and phone and email contacts.

This directory was created and launched by Maryland Sea Grant's watershed restoration specialists in 2011 with help from intern Virginia Vassolotti and in cooperation with many of the organizations displayed in this directory. If you have an idea for a project but are not sure where to start, contact a specialist. Find the agency here:

<http://www.mdsg.umd.edu/extension-directory>

If you see any information that is not correct, or have a suggestion for how we can improve this tool, please contact Jennifer Dindinger at [jdd@umd.edu](mailto:jdd@umd.edu).

[B](#) | [C](#) | [D](#) | [E](#) | [F](#) | [G-H](#) | [I](#) | [J-M](#) | [N](#) | [O-P](#) | [Q-R](#) | [S-Z](#)

Symbols: **\$** - Funding Assistance **T** - Technical Assistance

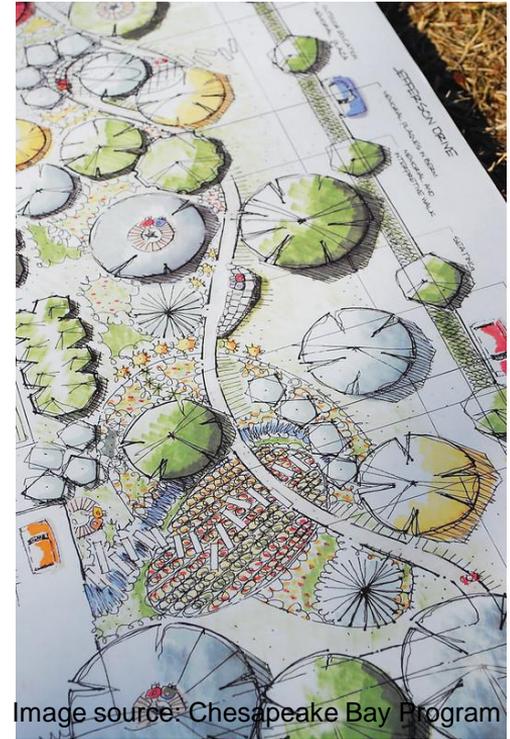


Image source: Chesapeake Bay Program

## GRANTS ASSISTANCE

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FEARLESS IDEAS



## PROJECT IMPLEMENTATION

# Knowledge and awareness alone do not lead to behavior change



Hugh Murphy

## EDUCATION AND OUTREACH

# Watershed Stewards Academy (WSA)



# Chesapeake Bay Landscape Professional certification (CBLP)



**CHEESAPEAKE BAY**  
Landscape Professional



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# CBLPro.org

# Coastal Resilience

Guidance for Using Maryland's Sea Level Rise Projections (collaboration with DNR)

Eastern Shore Climate Adaptation Partnership (ESCAP)



## Guidance for Using Maryland's 2018 Sea Level Rise Projections

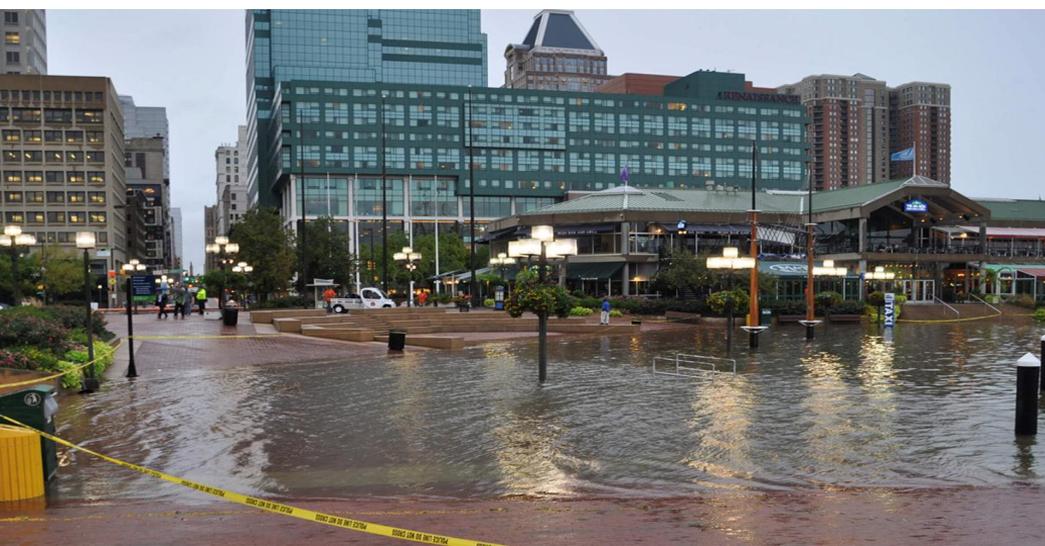
June 2022



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ALLISON BREITENOTHER & SASHA LAND,  
MARYLAND DEPARTMENT OF NATURAL RESOURCES



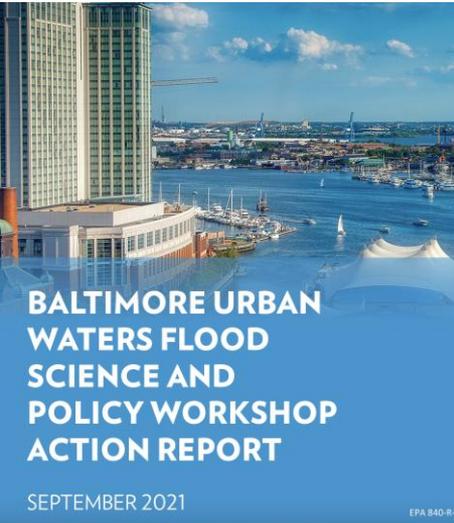


# Regional Collaborative Building Initiatives

Baltimore Urban Waters Partnership

Baltimore- Greater Regional Environment and Equity Network (B-GREEN)

Envision the Choptank



**BALTIMORE URBAN WATERS FLOOD SCIENCE AND POLICY WORKSHOP ACTION REPORT**

SEPTEMBER 2021



# Applied Transdisciplinary Research



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# Community Engagement – Education and Outreach



# Water and Climate Team Impacts 2025

## Education & Training:

- Delivered 79 classes, reaching 2,521 participants
- Achieved a 98% increase in participant knowledge (pre/post assessment)
- Certified over 300 professionals through the *Chesapeake Bay Landscape Professional (CBLP)* program
- Expanded workforce development partnerships for the *CBLP–Associate* program to 17 organizations across the Chesapeake Bay watershed

## Community Engagement & Technical Assistance:

- Engaged 1,416 volunteers and residents, contributing 1,750 service hours valued at \$62,178 (using Maryland's 2024 Independent Sector rate of \$35.53/hour)
- Completed 65 stormwater site assessments, 2 restoration projects, and 1 watershed assessment
- Applied for or pending award \$1.85 million in *Community Capacity Building Technical Assistance Grants*
- Assisted with the implementation of over 350 small-scale green infrastructure stormwater projects

## Research & Innovation:

- Secured over \$1.5 million in research and implementation grants supporting resilience and green infrastructure  
Key projects:
  - *Rainwater Harvesting Adoption Among Urban Farmers* – USDA–NIFA (\$300K)
  - *Inclusive Water Management* – USDA–NIFA (\$749K)
  - *STEW-MAPs* – (\$79K)
  - *Resilience Partnerships* – (\$280K)
  - *Hughes Rainwater Harvesting and Hughes Chesapeake Conservancy Award* – (\$138K)

## Equity & Partnerships:

- Provide network leadership for the *Baltimore Urban Waters Partnership (BUWP)*
- Lead the *Baltimore Greater Regional Environmental Equity Network (BGREEN)* to advance environmental justice
- Foster multi-county and municipal collaborations across Maryland
- Guide the Medicine Action Plan, strengthening intentional engagement with Tribal and Indigenous communities in Maryland



# Questions?

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<https://www.mdsg.umd.edu>

<https://extension.umd.edu/watershed>

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