



Water@UW-Madison

Cross-disciplinary water research for innovative & sustainable solutions.

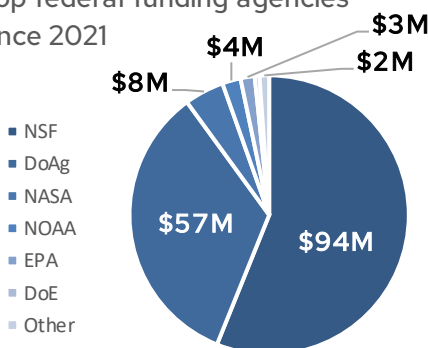
Water@UW-Madison supports a cross-disciplinary network of water researchers pursuing **community-driven & policy-relevant** research that serves the needs of the state, its people, and the environment.

Modern water challenges require un-siloed experts with knowledge integrated across disciplines. Water@UW-Madison works to connect creative interdisciplinary teams working on solutions for water health, sustainability, access, quantity and quality.

A productive network

In the last 5 years, our affiliates have written over 2,000 peer-reviewed articles and secured over \$206M in federal funding.

Top federal funding agencies since 2021



WISCONSIN IS WHERE YOU WORK ON WATER

UW-Madison has some of the most talented individual departments in the world but work that combines knowledge from multiple disciplines leads to **more holistic and innovative solutions**. Representing affiliates in over 50 administrative units, Water@UW-Madison works to leverage the talent, creativity and drive across our entire campus.

Programming to strengthen our network

Water@UW-Madison convenes twice annually at a fall research poster session and spring symposium. We hold think tanks and workshops to enhance collaboration & build partnerships. We lead a cross-site research training program, an art-science collaborative project called *Flow* and provide logistical support for community-based research.



Wisconsin Sea Grant Fisheries Outreach Specialist Dr. Titus Seilheimer samples fish in Peshtigo and Oconto Marsh with Dr. Amy Carrozzino-Lyon and summer scholars. Photo credit Wisconsin Sea Grant.

BY THE NUMBERS



190

Faculty & staff affiliates from 50 campus administrative units



\$168 M

Federal grants in the last 5 years



2K ARTICLES

Peer-reviewed, last 5 years



33K CITES

Citations in the last 5 years



Immersive mentored research experiences for undergraduates

Coordinated and organized by Water@UW-Madison, **Freshwater@UW is a unique cross-site and cross-discipline research training program for undergraduates.** The program provides critical information, knowledge and skills to early-career water researchers, especially those who have experienced barriers to obtaining these experiences in the past.



Students on an orientation-week cruise on the Research Vessel *Neeskay*.

Freshwater@UW



Orientation: We invest a lot into the first week of the students' experience. Our orientation program is designed to provide a soft-launch into research by introducing key concepts, field experiences, and social networking to build strong peer-to-peer relationships that will underpin the participants' summer.

Mentored Research & Professional Development: The core of our program is a 9-week experience in mentored research. Students are matched with a mentor and a project that interests them. Mentors engage and guide the students in an independent research project. The program encourages mentors and mentees to develop a shared understanding of goals and expectations, providing support to students as they navigate conducting research and the research environment. Simultaneously, we hold a weekly professional development seminar that complements and enhances research training. We focus on delivering relevant content that prepares students for post-graduate work.

BY THE NUMBERS

CONTINUED



105 STUDENTS

Mentees trained since 2022



101 MENTORS

including faculty members and graduate students



90%

reported a *Good to Excellent* experience as a participant in the program



75%

of participants increased their desire to work in Wisconsin water sectors



Freshwater@UW researchers showing off their plankton samples on Lake Mendota. Ellen Chadwick (L) and Eva Riveros (R). Photo credit Wisconsin Sea Grant.

Symposium: The summer culminates in a popular research symposium on the UW-Madison campus. Mentees give a 1-minute flash talk and participate in a cross-disciplinary poster session.

Students across the nation come to Wisconsin to participate in Freshwater@UW, where they gain the knowledge, experience and skills to launch their career. Since 2022, 105 students have pursued research at 12 different locations, where they learn about local issues and gaining valuable insight into Wisconsin water issues, uniquely preparing them for advanced work in water science.

Community-based research & the Wisconsin Idea

Water@UW-Madison aims to support research for and with our communities that makes a sustained positive impact on the world. We connect our affiliates by providing training, designing and convening structured networking events, and by creating opportunities positive collisions, relationships, and opportunities that lead to work that matters for Wisconsin communities.

Water@UW-Madison also leads an art-science collaborative program called the **Flow Project**, which pairs undergraduate artists with water professionals to create work inspired by water. At gallery showings statewide, the pieces spur transformative conversations about water research in our state. Over 100 works have been viewed by thousands, helping to spur positive change and aligned work for a better future.



Lisa Grueneberg from Friends of Lake Wingra and UW-Madison graduate student Lizzie Emch distribute yard signs at the Monroe St Farmer's Market. The team signed collectively with over 55 community members toward chloride reduction.

BY THE NUMBERS CONTINUED



1 MILLION

Acres of lake (that's 17% of the state)



84K MILES

Of rivers and streams



1.2

QUADRILLION

Gallons of groundwater



135

WORKS OF ART

Inspired by Water



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