



Office of Research, Innovation,
and Economic Impact

**INSTITUTE FOR A
SUSTAINABLE EARTH**
George Mason University®

Weekly Newsletter
January 21, 2025

[Announcements](#) | [In the News](#) | [Events](#) | [Funding Opportunities](#) | [Student Opportunities](#)

Announcements

Upcoming Deadline: Proposals for the NSF ART Seed Translational Research Project (STRP) Program: Submit your STRP proposal by January 31, 2025!

With support from the National Science Foundation's Accelerating Research Translation (ART) program, George Mason's Institute for a Sustainable Earth (ISE) and the Virginia Climate Center (VCC) – in collaboration with the Center for Climate Strategies and the University of Kentucky – are working to create university-wide programming that enables the rapid, low-cost translation of the science that local governments, community-based organizations, and local businesses need to support the development of sustainable, equitable, and climate-resilient communities. Drawing inspiration from the cooperative extension service, George Mason's ART project aims to leverage the unique resources of higher education to address the challenges of climate change at the community level.

[Click Here For More Information](#)

News

- [The Carter School named a United Nations Sustainable Development Goal Hub Chair](#)
- [Using AI to uncover human smuggling networks](#)
- [George Mason scientist Anamaria Berea leads team to design lunar cultural archive for the 'Pioneers of Tomorrow'](#)
- [Advancing sensor tech for foggy situation](#)
- [George Mason's recreation program is helping bring parks to the people](#)
- [George Mason scientist identifies 1,000-year-old seedling linked to biblical myrr](#)
- [George Mason and Virginia Tech collaborate to build science policy connections](#)

Events

New EU Guidelines for Rating Sustainable Data Centers

January 22, 2025 | Noon to 1 PM (EST)

Please join the Northern Virginia Regional Commission, George Mason University's Institute for Sustainable Earth and the University of Stuttgart on January 22, 2025, from 12:00pm to 1:00pm (EST), for a webinar that looks to present recent EU guidelines for rating sustainable data centers and then discuss the relevance to equivalent operations in Northern Virginia.

[Click Here to Register](#)

2025 Mason ORIEI NSF Career Cohort

Due January 27, 2025



2025 NSF CAREER Cohort

Goal: Enhance faculty competitiveness for NSF Faculty Early Career Development Program ([NSF-22-586](#)) through structured writing process, mentorship and grant writing resources.

Eligibility: Assistant Professors who meet NSF CAREER [Eligibility](#).

Program Duration: February to June, 2025

Time Commitment: 4 workshops (2 hours) monthly meeting with mentor (1 hour), weekly writing time (suggested 0.5-3 hours)

Program Elements

Grant Writing Timeline

Three Writing Deadlines: March 17-Summary (1 page); April 18 Project Draft (page limit open); May 16 Project Description (15 pages)

Mentorship & Feedback

Each participant assigned senior George Mason faculty mentor. All complete Project Descriptions receive external review from two faculty members outside of George Mason.

Workshops & Resources

February 12 12 pm to 2 pm: Program Kickoff (In person and virtual)

February 26 1 pm to 3 pm: ATG NSF CAREER Awards Part 1 (virtual)

March 5 3 pm to 5 pm: ATG NSF CAREER Awards Part 2 (virtual)

Samples of NSF CAREER Awards, Grant Writing Handbooks, Workshop recordings*

*ATG workshops cannot be recorded

[Click Here to Register](#)

[Higher Education Climate Leadership Summit 2025](#)

February 2 - 4, 2025 | Washington, DC



Higher Education Climate Leadership Summit 2025

Tuesday Feb 4, 2025 / 09:30AM - 11:00AM

“

Overcoming Barriers to Transdisciplinary Research

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Powered by Whova



Leah Nichols
+ 4 other speakers

[Click Here to Register](#)

Funding Opportunities

Heather's Highlights: Each week we will highlight current funding opportunities, alternating between the six ISE Research Themes.

Research Theme 1: Human Health, Well-Being, and Capabilities

The Department of Health and Human Services has listed a funding opportunity for Using Innovative Digital Healthcare Solutions to Improve Quality at the Point of Care (R21/R33)

The purpose of this funding opportunity is to invite applications that propose research projects that test promising digital healthcare interventions used at the point of care and aimed at improving the quality of healthcare services delivery. Research should be designed to test promising digital healthcare solutions that enable or facilitate technology-driven, point of care process solutions that use advanced analytics, patient-centered clinician and patient facing digital healthcare technologies, or clinical decision support systems to improve quality and health outcomes at the point of care.

Application Due Dates: February 16, 2025; June 16, 2025

Funding Amount: varies

Research Theme 2: Sustainable and Resilient Communities and Ecosystems

NOAA's Regional Resiliency & Vulnerability Assessments for Ocean and Coastal Acidification grants notice has extended

The NOAA Ocean Acidification Program is requesting proposals for collaborative projects that synthesize ocean and coastal acidification information at a regional scale. This announcement specifically addresses priorities for how ocean and coastal acidification – in the context of changing ocean conditions – affects dependent human communities (the human dimensional of ocean and

coastal acidification).

Application Due Date: March 5, 2025

Funding Amount: \$400,000

Research Theme 3: Harnessing the Digital Revolution for Sustainability and Education for All

The National Science Foundation (NSF) has released a program solicitation for the Smart and Connected Communities (S&CC)

The purpose of the NSF Smart and Connected Communities (S&CC) program solicitation is to accelerate the creation of novel intelligent technologies and concepts through high-risk/high-reward research that addresses major challenges and issues faces by communities across the US. Proposals should be designed to advance one or more of the following communities' priorities: economic opportunity and growth; safety and security; human and environmental health and wellness; accessibility of critical services and resources; and the overall quality of life for those who live, work, learn or travel within the community.

Application Due Date: February 20, 2025

Funding Amount: \$23,260,000

Student Opportunities

RaMP-UP Fellows Program

Get a stipend of \$32,000 for a full year of participation. A roundtrip ticket to Panamá and lodging while at Smithsonian Tropical Research Institute facilities is included. Come away with a robust research experience, scientific products, an international professional network, a peer network, and strong mentors to advocate for your career. Applications for the 2025-2026 program will open on January 15, 2025 and close March 16, 2025.

RaMP-UP Fellows spend a year engaged in BioDiversity studies with Smithsonian Tropical Research Institute (STRI) scientists. You will be embedded in the tropical landscapes of Panamá, practicing cutting-edge and rigorous methodologies to make a lasting impact on Tropical BioDiversity.

[Click Here to Apply](#)

VentureWell's E-Team Program

The E-Team Program, part of the VentureWell Accelerator, supports student ventures as you embark down the path you're likely to take as an innovator and entrepreneur. We help you advance your invention through a powerful mix of up to \$25,000 in grant funding, entrepreneurship training, mentorship by dedicated staff, national recognition, and networking with peers and industry experts.

Do you have an idea that can change the world? Every year, we award over \$800,000 in non-dilutive

E-Team grants to early-stage innovator teams that develop scalable innovations which aim to solve a large social, health, or environmental challenge.

[Click Here to Apply](#)

The Institute for a Sustainable Earth (ISE) aims to connect members of the Mason community with others across the Mason community—and with other communities, policy-makers, businesses and organizations—so that, together, we can more effectively address the world’s pressing sustainability and resilience challenges.

The ISE Newsletter provides up-to-date information on conferences, funding opportunities, and research pertaining to environmental science and sustainability. The biweekly newsletter aims to facilitate information sharing among researchers, practitioners, and relevant local, national, and international organization.



ise.gmu.edu

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