

## Announcements

### ISE Network Catalyst Grants 2024-2025: Call for Applications

#### *- Supporting transdisciplinary research that addresses urgent challenges -*

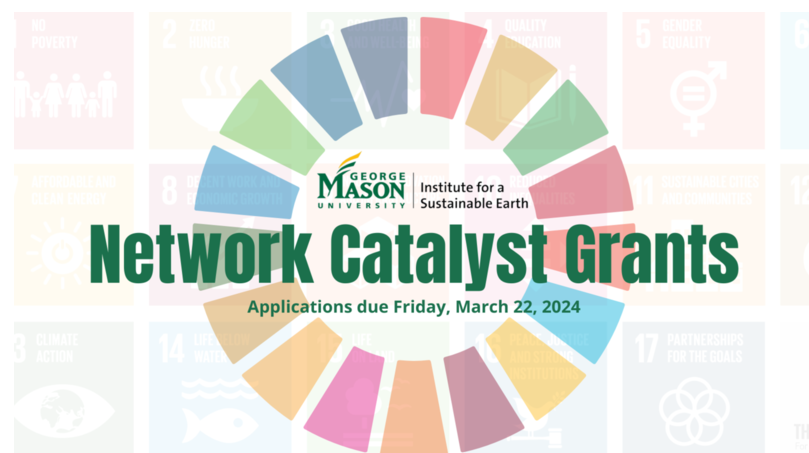
With the [Network Catalyst Grants](#), the Institute for a Sustainable Earth will support the development of transdisciplinary faculty teams in applied research aligned with UN Sustainable Development Goals. Supported teams will catalyze a network of collaborators within and beyond George Mason University and aim to secure additional sources of funding. The ISE is growing a broad network of partners, and Network Catalyst teams will work with the Institute to forge new and sustained engagements with community-based organizations, NGOs, governments, the private sector, or other strategic partners. Up to four funded teams will receive:

- ISE mentorship and assistance in engaging external partners
- \$5,000 to support network-building activities (workshops, basic research)
- Grant proposal development support
- A fully-funded graduate research fellowship stipend in Summer 2025

Learn more about this innovative program, including how to prepare an application, at the [ISE's Network Catalyst Program webpage](#). **Applications are due Friday, March 22, 2024.**

*Network Catalyst Grants Informational Webinars:* Mon., Feb 26 at 4 pm and Thurs., March 7 at 9 am. Please contact Dr. Jeremy Campbell at [jcampb30@gmu.edu](mailto:jcampb30@gmu.edu) for more information.

[Click Here to Learn More](#)



[Click Here to Learn More](#)

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### **When will the cherry trees bloom in 2024?**

Mason's Department of Statistics and their partners invite contestants to submit their predictions for Washington, D.C. (USA), Kyoto (Japan), Liestal-Weideli (Switzerland), Vancouver, BC (Canada) and New York City (USA), along with a compelling narrative and reproducible analysis containing any data and code used. Complete entries will be eligible to win cash and prizes—based on multiple categories, including best prediction and best narrative—and will be featured on [Real World Data Science](#). See the [complete competition rules](#) for details.

[Click Here to Learn More](#)

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## **News**

- [Mason selected for participation in Department of Commerce consortium dedicated to AI safety.](#)
- [This Mason public health student wants you to know about National Black HIV/AIDS Awareness Day.](#)
- [At Fuse topping out ceremony, student researcher uses satellites to better predict storm surges.](#)

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## **Events**



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The **Annual STAR-TIDES Capabilities Demonstration** showcases products and activities of the STAR-TIDES (Sharing To Accelerate Research – Transformative Innovation for Development and Emergency Support) global knowledge-sharing network. The network includes several thousand members engaged in building sustainable resilience, promoting human security, and creating life-changing social and economic activities. STAR-TIDES is coordinated through George Mason University's Center for Resilient and Sustainable Communities (C-RASC).

April 15-16, 2024 | Mason Square Van Metre Hall | Click [here](#) to register

## 17th Annual Capabilities Demo: Adapting to Climate Change

April 15-16, 2024

Mason Square Van Metre Hall  
Arlington, VA



This event brings together world-class discussions of Adaptation to Climate Change along with exhibitors from a global knowledge-sharing network with a focus on building sustainable resilience, promoting human security, and improving emergency response.

### Benefits of Attendance

- Engaging speakers and panels on topics related to adapting to climate change.
- Engagement with companies that hire students interested in resilience and sustainability, and
- Opportunity to participate in a raffle for gift cards.



REGISTRATION

Resiliency – Adaptation – Sustainability

@STAR\_TIDES  
 @GMU\_CRASC

## Accelerate Smart Cities Challenge

March 26 - May 16, 2024

The Accelerate Smart Cities Innovation Challenge will:

- Introduce solutions for **broadband, housing, transportation, health, water, food systems, education, infrastructure, energy, and public safety**
- Facilitate diverse cross-functional teams of talent with a shared purpose and passion to serve our community with tangible and innovative smart cities solutions
- Recruit those interested in smart cities innovation, particularly targeting underrepresented talent in technology and entrepreneurship
- Encourage the student teams to take their ideas to market
- Promote collaborators to local talent, including judging and mentoring opportunities
- Elevate and support nonprofit collaborators
- Enable thought leadership collaboration among organizers, collaborators, and teams
- Strengthen our regional technology ecosystem, while offering a scalable national event model

[Click Here to Learn More](#)

## 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 National Science Foundation (NSF) along with the National Institutes of Health (NIH) are soliciting proposals for the **Smart Health and Biomedical Research in the Era of Artificial Intelligence and Advanced Data Science** interagency program.*

The purpose of this interagency program solicitation is to support the development of transformative high-risk, high-reward advances in computer and information science, engineering, mathematics, statistics, behavioral and/or cognitive research to address pressing questions in the biomedical and public health communities. Transformations hinge on scientific and engineering innovations by interdisciplinary teams that develop novel methods to intuitively and intelligently collect sense, connect, analyze and interpret data from individuals, devices and systems to enable discover and optimize health.

Application Due Dates: October 3, 2024

Funding Amount: \$300,000 per year for up to four years

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### **Research Theme 2: Sustainable and Resilient Communities and Ecosystems**

*The U.S. Fish & Wildlife Service/Department of the Interior has announced their **Coastal Program for FY24**.*

The Coastal Program staff coordinates with partners, stakeholders and other Service programs to identify geographic focus areas and develop habitat conservation goals and priorities within these focus areas. Geographic focus areas are where the Coastal Program directs resources to conserve habitat for Federal trust species.

Application Due Date: May 30, 2024

Funding Amount: \$500,000

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

*The National Science Foundation has a call out for the **Civic Innovation Challenge (CIVIC)**.*

The Civic Innovation Challenge (CIVIC) is a research and action competition that accelerates the transition to practice of foundational research and emerging technologies into communities through civic-engaged research. By addressing priorities at the local scale that are relevant across the US> CIVIC is laying the foundation for a broader and more fluid exchange of research and technology capabilities and civic priorities through joint partnerships involving civic partner and the research community.

Application Due Date: May 1, 2024

Funding Amount: Budgets for Stage 1 are up to \$75,000 and Stage 2 Full Awards are up to \$1,000,000.

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## **Student Opportunities**

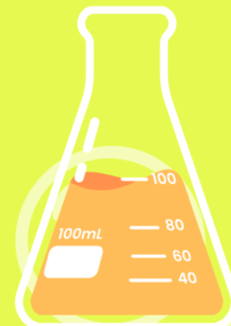
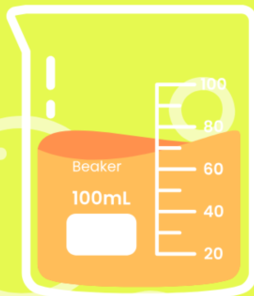
OFFICE OF FELLOWSHIPS

# STEM FELLOWSHIPS DAY

MARCH 15, 2024, 10AM-2PM  
JOHNSON CENTER AND ONLINE

Learn about fellowships for STEM  
research/grad school and how to  
apply!

GO TO MASON360 TO SIGN UP TODAY!  
QUESTIONS? EMAIL [PGFS@GMU.EDU](mailto:PGFS@GMU.EDU)



## ICICLE Educational Fellows Program

The National Science Foundation-funded AI Institute for Intelligent Cyberinfrastructure with Computational Learning in the Environment (**ICICLE**) is now accepting applications for its **2024 Educational Fellows Program**. Graduate students, postdoctoral fellows, and early-career educators and researchers from all domains and disciplines actively enrolled in, or formally affiliated with, a US-based institution, are eligible to apply. Those from populations and institutions traditionally underrepresented in research computing, as well as those interested in developing skills and/or posing research questions using AI-enabled cyberinfrastructure and knowledge systems to support increased resiliency of food systems, are strongly encouraged to apply.

Click [here](#) to learn more.

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### **RaMP-UP Fellows Program**

Get a stipend of \$32,000 for a full year of participation. RT ticket to Panamá and lodging while at Smithsonian Tropical Research Institute facilities. Come away with a robust research experience, scientific products, an international professional network, a peer network, and strong mentors to advocate for their careers. Check back soon for 2024/2025 application openings.

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

Click [here](#) to learn more.

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### **National Geographic: Internships at the Society**

Every year, the National Geographic Society provides a number of students with a paid opportunity to spend the summer exploring and learning with us. We offer a diverse range of dynamic internships that are designed to offer a well-rounded experience. Our goal is to provide engaging, educational, and work-related opportunities for both undergraduate and graduate students.

Click [here](#) to learn more.

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**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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