The Institute for a Sustainable Earth (ISE) is an international organization.

The biweekly newsletter aims to foster awareness and action on environmental science and sustainability. The newsletter is sent to businesses and organizations—so that, together, we can more effectively address the world's environmental challenges. The newsletter is distributed to a global audience, connecting with others across the Mason community—and with other communities, policy-makers, researchers, and practitioners.

The ISE is coordinated by MDPI under the patronage of the University of Basel, the University of California, Berkeley, and the University of the Armed Forces Munich. The newsletter will highlight research and projects that are making a difference in environmental science and sustainability.

This newsletter will shed light on how we can meet the challenges and opportunities of our time, such as climate change, biodiversity loss, pollution, and the importance of business support both in responding to the crisis and in pursuing sustainable practices. The newsletter will also explore the structures of countries and to the risks they face, of which Covid-19 is a major illustration.

The ISE is a way to connect the dots and create a global network of sustainable action. We believe that by working together, we can make a difference in the world. Join us in our mission to create a more sustainable future.

Additional Funding Opportunities

The ISE is committed to supporting innovative projects and initiatives that address environmental challenges. To this end, we have partnered with several organizations to provide additional funding opportunities.

Funding Announcements, Awards, and Accomplishments

We are pleased to announce a special funding focus on new science workflows that empower new scientific pathways. This focus is part of our commitment to supporting research and innovation in environmental science and sustainability.

We are also proud to announce the winners of the 2020-2021 research grants program. These grants will support critical research projects in areas such as climate change, biodiversity loss, and pollution.

Upcoming Mason Events

The ISE is excited to announce several upcoming events. These events will provide opportunities for members to connect and exchange ideas on environmental science and sustainability.

Cyberinfrastructure to Enable Community-level Data and Data-Focused Connected Communities (S&CC) domain designed to build a more cohesive research-to-practice system. The S&CC domain will support the development of new tools and technologies that improve the way we model, understand, and predict environmental phenomena. The domain will also support the development of new educational materials that help students and researchers learn about environmental science and sustainability.

Upcoming Webinar: How to make the international financing work for coastal communities

Join us for a webinar on making the international financing work for coastal communities. This webinar will provide an overview of the challenges and opportunities facing coastal communities and discuss strategies for making international financing work for them.

WF-3 - Development and readiness of satellite products for fire management

TheWF-3 project is an international scientific conference that will take place in July 2021. The conference will bring together experts from around the world to discuss the latest research and developments in satellite technology and its application to fire management.

Announcing the Earth AI Challenge

The Earth AI Challenge is a research and action competition in the Smart and Sustainable Energy and the Smart and Sustainable Agriculture domains. The challenge is designed to engage students and researchers to develop innovative solutions to the complex problems facing our planet.

Announcing the International Conference on Cyberinfrastructure for Emerging Science and Engineering Research (CESER)

The International Conference on Cyberinfrastructure for Emerging Science and Engineering Research (CESER) is an annual conference that brings together researchers, practitioners, and policymakers to discuss the latest developments in cyberinfrastructure and its application to emerging science and engineering research.

Preparing for the Global Pandemic: Lessons from Past Environments

Join us for a webinar on preparing for the global pandemic. This webinar will provide an overview of the lessons learned from past environments and discuss strategies for preparing for the global pandemic.

Additional Resources

For more information on the ISE and its activities, please visit ise.gmu.edu.

Contact the ISE

The ISE is always looking for new members and partners. If you are interested in joining or partnering with the ISE, please contact us at ise.gmu.edu/contact.

Subscribe to our newsletter

To receive our future emails, please subscribe to our newsletter at ise.gmu.edu/subscribe.