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 integrate over levels of biological organization or across multiple spatial and temporal scales. Proposals should be submitted to the core clusters (Ecosystem Sciences, Evolutionary Biology, Biogeochemical Reactivity of Pollutants, and Nuclear Physics). Research on environmental science and sustainability requires the application of scientific and engineering principles.

Through a solicitation managed by the Office of Science (Office of Advanced Scientific Computing Research, Basic Energy Sciences, Office of Marine and Environmental Research, and Nuclear Physics), projects can be submitted with a focus on advanced scientific computing, basic energy research, marine and environmental research, and nuclear physics. Each solicitation provides opportunities for collaboration and integration of knowledge to design new processes, materials, and devices from a systems-level perspective.

A key objective of the solicitation is to encourage conversations and robust collaborations among policy makers, food producers, scientists, practitioners, and other stakeholders on solutions to protect soil biodiversity and increase its sustainable use and management.

The symposium on soil biodiversity will be co-hosted by the Global Symposium on Soil Biodiversity, themed: From Science to Action, to be held in Rome, Italy, on March 10-12, 2020. The event will integrate multiple perspectives and stakeholders into a range of discourses. The program will include a pre-conference workshop for secondary school students, a public symposium, and three parallel sessions. Details on submitting an abstract can be found at the Global Symposium on Soil Biodiversity website.

The Environmental Engineering Program at George Mason University focuses on solving environmental problems through research, education, and service. The program offers undergraduate and graduate degrees in environmental engineering. The program is committed to incorporating sustainability into the curriculum and providing students with opportunities to engage in research and community service projects. Potential research areas include water quality and quantity, air quality, and waste management.

The Virginia Department of Education & U.S. Department of Education, in partnership with the Virginia Department of Environmental Quality, will offer the Solid Waste Management Grant Program to organizations that receive SWM grant funds to reduce or eliminate pollution of water resources through free technical assistance and/or training. The fellowship provides an immersion experience working with Smithsonian researchers and the opportunity to build real-world knowledge to design new processes, materials, and devices from a systems-level perspective.

The American Councils for International Education and Department of State, Russia-US Teachers (R-UST) for STEM Education: Building Women with Autism (US), and TO 811 expect to offer approximately 18 awards with ~ 6 awards being made in each of the following program areas: Advanced Scientific Computing Research, Basic Energy Sciences, Office of Marine and Environmental Research, and Nuclear Physics.