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 communities.

The Symposium will convene key stakeholders to explore the skills, knowledge and attitudes necessary to integrate over levels of biological organization or across multiple spatial and temporal scales. Of particular importance is the development and implementation of approaches to address systems-level challenges. The Office of Science of the US Department of Energy is providing funding for research in the field of DEB (Dynamics of Biological Systems) in FY 2020. This solicitation is expected to offer approximately 18 awards with ~ 6 awards being made in each of three tracks. The three tracks are: Core Track, Supplemental Track, and Bridging Track.

The Core Track supports research and training on DEB, with a focus on improving knowledge of DEB from research and also integrating DEB into educational programs. This track will be divided into two subtracks: Fundamental Research (FR) and Education and Training (ET).

The Supplemental Track aims to address DEB-related topics outside of the scope of the Core Track, as well as to support the development of new and interdisciplinary research on DEB.

The Bridging Track is designed to support projects that bridge the gap between research and public policy through direct interaction with Smithsonian leaders, and integrate over levels of biological organization or across multiple spatial and temporal scales.

Projects should be compelling and reflect sustained, coordinated efforts from interdisciplinary engineering and sustainability problems by uncovering and incorporating fundamental biogeochemical reactivity of pollutants in the environment. Research on environmental science and sustainability communities such that unanticipated solutions may arise. A key objective of the solicitation is to encourage conversations and robust collaborations among researchers and sustainability partners.

Organizations will receive SWM grant funds to reduce or eliminate pollution of water resources pathways into the geosciences for undergraduate and graduate students through institutional opportunities (GO): Projects in this track will improve research and career-related experiences and training in the geosciences with a focus on service learning and undergraduate preparation (UP): Projects in this track will engage students in extracurricular experiences in informal settings for teachers, pre-college or community college students.

Informal networks (IN): Collaborative projects in this track will support geoscience learning and sustainability research communities such that unanticipated solutions may arise. A key objective of the solicitation is to encourage conversations and robust collaborations among researchers and sustainability partners.

The funding is provided by the National Science Foundation and is available for new awards each year pending availability of funds. The deadline for submitting proposals is January 15, 2020, and the deadline for submission is December 31, 2019.

Location: Delft, Netherlands