Solutions to Climate Change

NSF Critical Aspects of Sustainability (CAS): Innovative Implementations

The FY23 research areas are

ODRD projects strengthen and expand the scientific and technical capabilities of both parties.

The Directed Research and Development (ODRD) program

Program Call for Proposals

DCL will count towards the proposal limits imposed in the CISE Core program

The program solicitation (CISE Core 50 Years) invites transformative, cross-disciplinary and potentially clean slate approaches to enabling sustainability across all levels of the entire computing stack from hardware to networking to software applications. Proposals should consider diverse notions of sustainability and propose suitable metrics for quantifying impact. Traditional energy efficiency and power savings methods are suitable approaches but should be considered alongside other metrics such as material use, data center footprints, computing energy consumption, and supply chain practices. Technologies enabling data center sustainability are welcome as are approaches addressing sustainability in all levels of the computing stack.

This DCL neither constitutes a new competition nor a new program. Rather, interested

Proposals must be submitted as a group, or "Research Consortium" to be deemed eligible for Sustainability in Computing along multiple dimensions that go beyond energy efficiency.

For more details, see the "NSF-Disaster Resilience Research Grants" announcement.

With this joint solicitation,

No, this is not a new call for proposals but a "Dear Colleague Letter (DCL)" that is an internal communication to the research community from the NSF and the U.S. Department of Commerce (DOC) National Oceanic and Atmospheric Administration (NOAA) to encourage the science and engineering communities to lay the foundation for disciplinary and interdisciplinary research and to answer fundamental questions related to novel approaches and solutions to climate change.

Funding Opportunities

DFG-NSF Joint Research Conferences on Social Sciences

The biweekly newsletter aims to facilitate information sharing among researchers, students, practitioners, and relevant local, national, and international organizations.

The newsletter includes announcements of new funding opportunities, special events, publications, and other activities.

In the News

Meet B4BW Impact Fellow: Ji Eun Kim

Ji Eun Kim is the first B4BW Impact Fellow at the Institute for a Sustainable Earth (ISE) at George Mason University. She is working on a research project that focuses on the development of a new methodology for assessing the impact of urban green spaces on human health outcomes.

In the News

C-RASC Biannual Membership Meeting

C-RASC, the Center for Resilient and Sustainable Cities, is a collaborative research network that brings together experts from fields such as engineering (all types!), computing, geospatial information systems, geography, sociology, and public administration, to name a few.

C-RASC invites students, faculty, and practitioners to attend its biannual membership meeting, where they will discuss the latest research and trends in resilient and sustainable cities.

In the News

ARIE Seed Funding Initiative

The AntiRacism and Inclusive Excellence (ARIE) Task Force is excited to announce the first annual ARIE Seed Funding Initiative. This initiative aims to support research and educational projects that focus on anti-racism and inclusive excellence.

The ARIE Seed Funding Initiative provides funding for projects that address issues on the theme of anti-racism and inclusive excellence. Projects may be either highly scholarly or highly practical/applicable. The full Call for Proposal can be found on the Research Office页面.

In the News

ARIE Task Force discusses ARIE Seed Funding Initiative: Online ARIE Task Force meeting June 2, 2022 at 2 PM EDT

The ARIE Task Force is an interdisciplinary group of faculty, students, scholars, and practitioners who are dedicated to advancing anti-racism and inclusive excellence in higher education.

In the News

25Live Guide – Feature Your Sustainability Events

The 25Live Guide is a tool for you to find others with complementing expertise and for coordinating through George Mason University’s Center for Resilient and Sustainable Communities.

The 25Live Guide includes a feature where you can find others with complementing expertise.

In the News

Global Tactics, and Chair of the STAR-TIDES Advisory Board, will moderate the conversation

The conversation will focus on the role of technology and innovation in addressing climate change and the importance of collaboration and interdisciplinary approaches to solving complex problems.

In the News

Global Tactics, and Chair of the STAR-TIDES Advisory Board, will moderate the conversation

The conversation will focus on the role of technology and innovation in addressing climate change and the importance of collaboration and interdisciplinary approaches to solving complex problems.

In the News

25Live Guide – Feature Your Sustainability Events

The 25Live Guide is a tool for you to find others with complementing expertise and for coordinating through George Mason University’s Center for Resilient and Sustainable Communities.

The 25Live Guide includes a feature where you can find others with complementing expertise.

In the News

Global Tactics, and Chair of the STAR-TIDES Advisory Board, will moderate the conversation

The conversation will focus on the role of technology and innovation in addressing climate change and the importance of collaboration and interdisciplinary approaches to solving complex problems.

In the News

Global Tactics, and Chair of the STAR-TIDES Advisory Board, will moderate the conversation

The conversation will focus on the role of technology and innovation in addressing climate change and the importance of collaboration and interdisciplinary approaches to solving complex problems.

In the News

Global Tactics, and Chair of the STAR-TIDES Advisory Board, will moderate the conversation

The conversation will focus on the role of technology and innovation in addressing climate change and the importance of collaboration and interdisciplinary approaches to solving complex problems.

In the News

Global Tactics, and Chair of the STAR-TIDES Advisory Board, will moderate the conversation

The conversation will focus on the role of technology and innovation in addressing climate change and the importance of collaboration and interdisciplinary approaches to solving complex problems.

In the News

Global Tactics, and Chair of the STAR-TIDES Advisory Board, will moderate the conversation

The conversation will focus on the role of technology and innovation in addressing climate change and the importance of collaboration and interdisciplinary approaches to solving complex problems.

In the News

Global Tactics, and Chair of the STAR-TIDES Advisory Board, will moderate the conversation

The conversation will focus on the role of technology and innovation in addressing climate change and the importance of collaboration and interdisciplinary approaches to solving complex problems.

In the News

Global Tactics, and Chair of the STAR-TIDES Advisory Board, will moderate the conversation

The conversation will focus on the role of technology and innovation in addressing climate change and the importance of collaboration and interdisciplinary approaches to solving complex problems.

In the News

Global Tactics, and Chair of the STAR-TIDES Advisory Board, will moderate the conversation

The conversation will focus on the role of technology and innovation in addressing climate change and the importance of collaboration and interdisciplinary approaches to solving complex problems.

In the News

Global Tactics, and Chair of the STAR-TIDES Advisory Board, will moderate the conversation

The conversation will focus on the role of technology and innovation in addressing climate change and the importance of collaboration and interdisciplinary approaches to solving complex problems.

In the News

Global Tactics, and Chair of the STAR-TIDES Advisory Board, will moderate the conversation

The conversation will focus on the role of technology and innovation in addressing climate change and the importance of collaboration and interdisciplinary approaches to solving complex problems.

In the News