NSF Funding Opportunities

CNI Fall 2023

December 12, 2023

NSF Overview

- Unique in the U.S. federal research space because it funds all areas of science and engineering
- Typically funds more than 11K proposals per year, at more than 1,800 institutions located throughout the states of the US
- The NSF budget is now almost ten billion dollars annually ($9.8), with the recent increase of roughly $1B for the new TIP (Technology, Innovation, and Partnerships) Directorate

Check the NSF Website Frequently

- NSF is always developing new solicitations of various kinds
- Unfortunately, we cannot announce them before they are officially released
- Be sure to understand the structure of the agencies directorates and divisions which make it up – these are the programmatic groups that develop and release solicitations
- There may be programs in parts of the agency that you're unfamiliar with, but which may be interested in funding research in your area, or in areas of your institution with which you regularly collaborate

Example: Open Science

- Many areas of NSF are now supporting research conducted in ways that seek to foster or advance Open Science principles
- Many of these programs are aimed at particular disciplinary communities, but they may very well represent opportunities for collaboration with your institution's library or IT center
- The following are some representative examples from the GEO directorate, which is extremely supportive of Open Science practices and principles

Dear Colleague Letter

Supporting Open Polar Research Software

February 8, 2023

https://new.nsf.gov/funding/opportunities/supporting-open-polar-research-software

Invites the sustainable development and use of open source software, tools, libraries and frameworks that are critical for polar scientific objectives.

Dear Colleagues:

Federal agencies are celebrating 2023 as a Year of Open Science. Open software tools, libraries, frameworks, and data are playing increasingly prominent and impactful roles in activities supported by the Office of Polar Programs (OPP) in the Directorate for Geosciences (GEO), as they are across federally funded research. OPP published an updated Data, Code, and Sample Management Policy stating that "research software/code is identified as a research object and outcome that can also help make data more interoperable and reusable." Documenting, sharing, and supporting open software/code are important parts of the polar research process which require both time and expertise, and support to achieve these goals should be included in NSF award budgets.

Complementing the disciplinary, interdisciplinary, and cyberinfrastructure goals articulated in the current Antarctic and Arctic solicitations, this Dear Colleague Letter (DCL) is designed to encourage the sustainable development and use of open source software, tools, libraries, and frameworks that

Dear Colleague Letter

Innovations in Open Science (IOS) Planning Workshops

August 25, 2023

https://new.nsf.gov/funding/opportunities/innovations-open-science-ios-planning-workshops

Invites workshop proposals focused on identifying critical needs for innovations in open science for data infrastructure that have the potential to significantly advance research in atmospheric and geospace sciences.

Dear Colleague:

The recent memo titled "Ensuring Free, Immediate, and Equitable Access to Federally Funded Research," also referred to as the Nelson Memo[1], issued by the Office of Science and Technology Policy (OSTP), has provided policy guidance to federal agencies on public access requirements for federally funded research. The need for a better, innovative data and research infrastructure that embraces open science principles to serve the interconnected scientific communities has never been as urgent.

Through this Dear Colleague Letter (DCL), the Division of Atmospheric and Geospace Sciences (AGS) in the Directorate for Geosciences (GEO) is calling for workshop proposals[2] focused on identifying critical needs for innovations in open science for data infrastructure that can serve the research community at a national-needs level, and have the potential to significantly advance research in atmospheric and geospace sciences, ensuring their research outputs, broadly defined, in compliance

For More Information

- Don’t hesitate to contact the listed program officials associated with each programmatic listing, that’s what they’re there for
- NSF Program Officers can explain what the focus of new solicitations are and how to apply
- Thank you, and give us a call!