

Cultural Transformation in the Geoscience Community (CTGC)

Program Solicitation NSF 22-562

National Science Foundation



Topics

NSF CTGC Solicitation (NSF 22-562)

Proposal Preparation and Submission

Useful Resources

Q & A Session



CTGC Framework

Cultural Transformation & Geosciences Research that integrates a diverse **research community** with learning ecosystems that draw on authentic community partnerships and other ways of knowing

CTGC Aim

Engage with community members and foster a just, equitable, and **inclusive geoscience research community**

Develop a workforce that is prepared and capable of understanding how Earth can continue to **sustain society** through innovative approaches

CTGC Approach

Welcome, support, and fully include people who have previously been excluded from places where research, and related activities, are conducted

Create, maintain, and invest in authentic and equitable partnerships with communities, who will take an active role in co-creating knowledge and offering solutions

Apply a systems approach to address societal challenges through community centered research and shared knowledge production solutions

Cultural Transformation in the Geoscience Community (CTGC)

Society's sustainability and prosperity require a transdisciplinary geoscience workforce that reflects the nation's diversity and has the capacity to develop innovative solutions necessary to meet future environmental and societal challenges.

This new program offers a novel approach to simultaneously address two major challenges that require immediate action:

- (1) foster a just, equitable and inclusive geoscience research community that reflects the diversity of the United States and
- (2) develop a workforce with the skills required to understand how the Earth system can continue to sustain society.



What is different about CTGC (Continued)?



The new program will draw on **learning ecosystems to tackle multidimensional and transdisciplinary questions** that require different perspectives.

To achieve this, academia and research institutions need to

- welcome, support, and fully include individuals from groups that have been historically excluded in laboratories, research facilities, or any other place where research and related activities take place; and
- have authentic community partnerships to co-create knowledge and find solutions to society's most pressing challenges.



Award information

Anticipated Type of Award: Standard Grant or Continuing Grant

Estimated Number of Awards: NSF expects to make up to 11 awards through this competition, with up to 6 awards made for implementation grants and the remaining awards made for planning grants.

Anticipated Funding Amount: \$10 million, pending availability of funds.

Planning Grants

Planning grants are intended to build capacity in the geoscience community to undertake the activities necessary to establish future CTGC programs.

Planning Grants can be used to:

support team formation activities

develop and nurture relationships
with potential partners

access specialized frameworks or
resources needed to better develop
an implementation project proposal

organize catalytic activities
(including, but not limited to,
workshops and conferences).



Planning Grants should be for 24 to 30 months. Having a Planning grant awarded is not a guarantee of subsequent funding for an implementation proposal. A Planning Grant is not a prerequisite for future CTGC competitions.

Implementation Projects

Institutions are welcome to submit an implementation proposal that have shown:

- To be supportive of Black, Indigenous, People of Color (BIPOC), persons with disabilities, LGBTQIA+, and other individuals from marginalized/minoritized groups to help promote career advancement, and/or
- Expertise in training the next generation of geoscientists in community-based research, participatory research, or place-based research.

Proposals should demonstrate:

- established inclusive and safe research environments
- established authentic, mutually beneficial partnerships with local communities or other collaborators.

Proposals should specify the cohorts that will be entrained, planned professional development opportunities, and ways communities are engaged in authentic and equitable partnerships to address environmental challenges.

Minority Serving Institutions are encouraged to submit implementation projects.

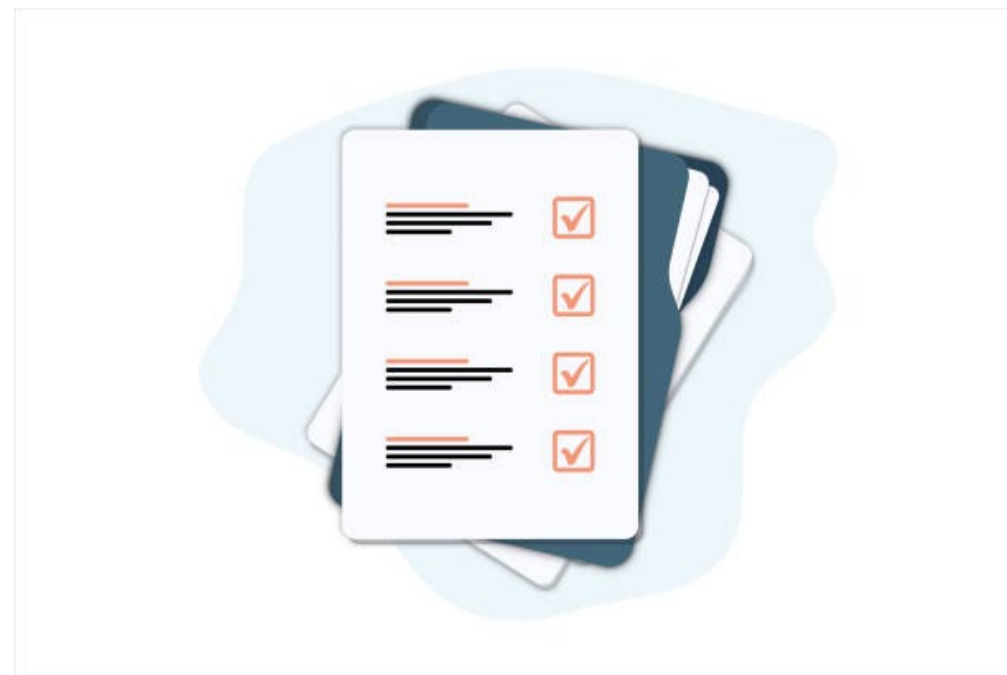
Implementation proposals can be for up to 60 months.



Applicable To All Proposals

Competitive planning grants and implementation project proposals will be:

- based on inclusive research and training principles and prioritize strategic partnerships.
- rooted in mentorship, allyship, equity, anti-racist and anti-harassment practices, and increasing accessibility.
- led by PIs who show their commitment to foster research and learning environments with a strong sense of belonging and safety for all.



Proposal Preparation



Letters of Intent are required for Implementation Project Track



20 pages limit for Implementation Project proposals



8 pages limit for Planning Grant proposals



All other proposal preparations should be consistent with the NSF Proposal and Award Policies and Procedures Guide (PAPPG)

Documents Required for Implementation Projects

To be included in the 20-page project description:

Participant Recruitment and Selection and Mentoring Plan

Community Partnership Plan

Commitment to Justice, Equity, Diversity, and Inclusion

To be uploaded as a separate document:

Safety Plan



Special Review Criteria for Planning Grants and Implementation Grants

Community Partnerships:

Does the proposed project have existing authentic community partnerships or a clear plan on how these will be established in an equitable and respectful manner?

Project Evaluation and Reporting:

Will the evaluation and monitoring plan provide sufficient documentation that project goals and outcomes have been realized?

Connection to Geoscience Education Research and Community-Driven Research:

How well informed are the vision and execution plan by the literature and prior attempts, if applicable, to implement change.

Further Criteria for Implementation Grants

Participant Recruitment, Selection and Mentoring:

Is the recruitment and selection process described with sufficient detail?

Is the recruitment plan likely to attract a diverse population of participants that would benefit from the proposed activities?

Is there a mentoring plan in place for participants? The plan should emphasize strategies to ensure inclusive environments, programming, and experiences (including but not limited to sufficient training for mentors).

Justice, Equity, Diversity, and Inclusion:

Is the organizational commitment to Justice, Equity, Diversity, and Inclusion outlined well in the proposal, supported with the appropriate documentation?

Eligibility

Proposal may only be submitted by the following:

- Institutions of Higher Education (IHEs) - Two- and four-year IHEs (including community colleges) accredited in, and having a campus located in the US, acting on behalf of their faculty members.
- Non-profit, non-academic organizations: Independent museums, observatories, research labs, professional societies and similar organizations in the U.S. associated with educational or research activities.

Who May Serve as PI: There are no restrictions or limits.





Eligibility Continued

Limit on Number of Proposals per Organization:

- only one submission per organization per competition as the lead
- may serve as the non-lead organization of a collaborative project more than once per competition.

Limit on the Number of Proposals per PI or Co-PI:

- May serve in the role of PI or Co-PI on only one proposal per competition if they are at the sole-submitting organization or the lead organization of a collaborative project.
- May serve as the Co-PI for a non-lead organization of a collaborative project more than once per competition.

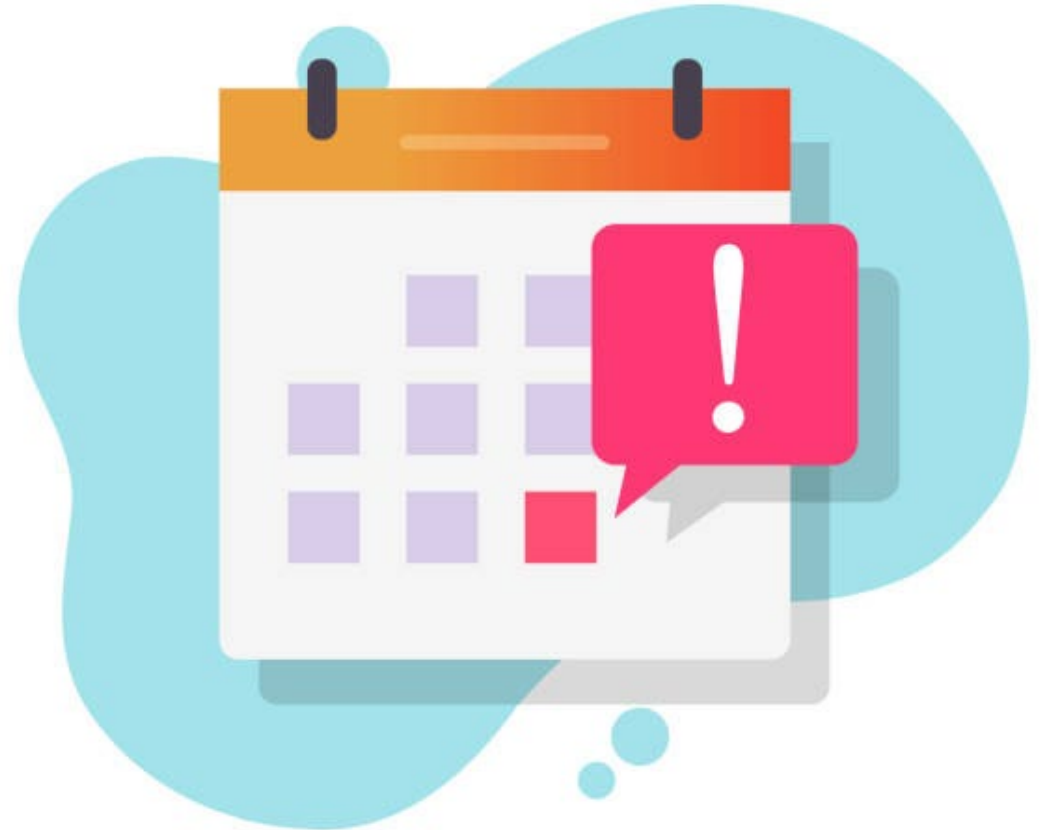
Due Dates

Proposals for planning grants

- no letters of intent required
- Full proposals by May 02, 2022

Proposals for implementation grants

- Letter of Intent (*required*) by March 14, 2022
- Full proposals by May 02, 2022



Useful Resources

Cultural Transformation in the Geoscience Community (CTGC) Solicitation

NSF 22-1 PAPPG

For additional questions, email to geogold@nsf.gov or contact one of the following program officers:

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