Cultural Transformation in the Geoscience Community (CTGC)

Program Solicitation NSF 23-539

National Science Foundation
Topics

- NSF CTGC Solicitation (NSF 23-539)
- 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?

• Participants will address societal issues related to global change using a systems approach, with individuals and local community engagement at the center of the endeavor.

• This program aims to dismantle and reverse colonizing approaches and will foster authentic and equitable collaborations between scientists and community members with the goal of addressing issues that contribute to the sustainability of the community.

• This new program builds on tenets of NSF programs like GOLD, ADVANCE and NSF INCLUDES, that lead to environments that foster inclusion and belonging.
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.
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

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<th>Participant Recruitment, Selection and Mentoring:</th>
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<td>Is the recruitment and selection process described with sufficient detail?</td>
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<td>Is the recruitment plan likely to attract a diverse population of participants that would benefit from the proposed activities?</td>
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<th>Justice, Equity, Diversity, and Inclusion:</th>
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<td>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).</td>
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| Is the organizational commitment to Justice, Equity, Diversity, and Inclusion outlined well in the proposal, supported with the appropriate documentation? |
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.
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 April 3, 2023

Proposals for implementation grants
• Letter of Intent *(required)* by February 1, 2023
• Full proposals by April 3, 2023
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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