

NSF's Efforts to Support Institutional Diversity

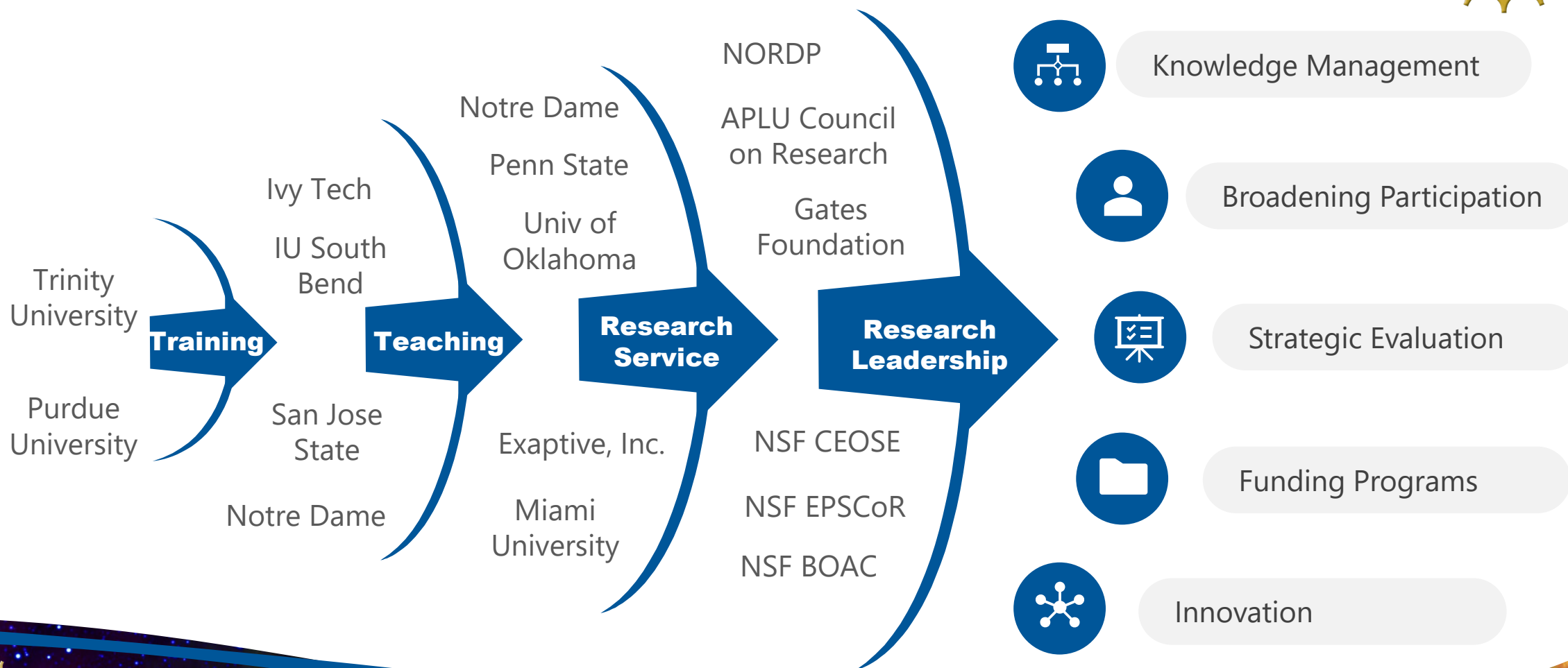
Council on Government Relations Meeting – June 9, 2022



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Head, Office of
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An eclectic (and continuing) journey



Office of Integrative Activities

NSF is organized much like a research university

- Directorates : Colleges
- Divisions : Departments/Schools
- Programs : Research Programs/Projects
- Office of the Director : University leadership
- NSF Offices : University Offices

OIA is part of the Office of the Director
Cross-Cutting, directorate-like and operations-like
Hub in Director's Office for Broadening Participation at NSF

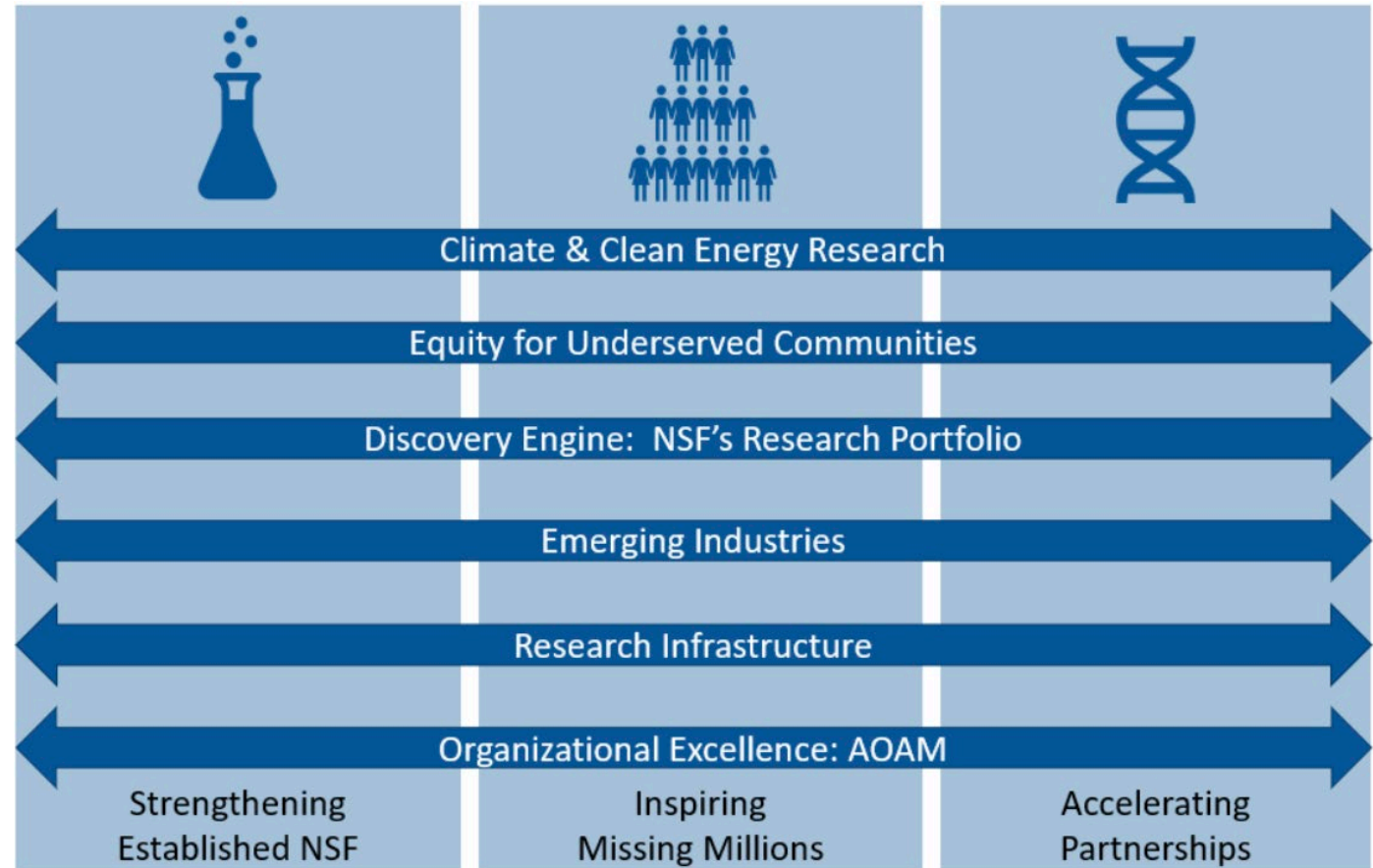
Visible Programs:

- EPSCoR
- HBCU Excellence in Research (HBCU EiR)
- Major Research Instrumentation (MRI)
- Mid-Scale Research Infrastructure Track 1
- Growing Convergence Research (GCR)
- Science and Technology Centers (STC)

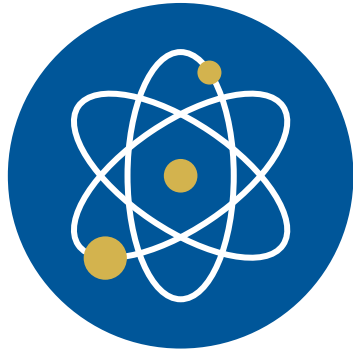


NSF's Three Pillars

- Strengthening Established NSF
- Bringing the “Missing Millions” into the STEM Workforce
- Accelerating Partnerships



Aligned Visions and Goals



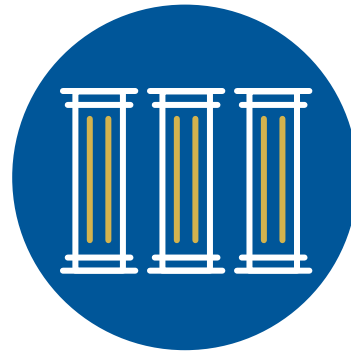
NSB Vision 2030

Research benefits

STEM talent

Geography of innovation

Global S&E community



NSF Vision

Advancing research

**Accessibility and
inclusivity**

Global leadership

Translation, Innovation,
Partnerships (TIP)



Administration Pillars

Pandemic response

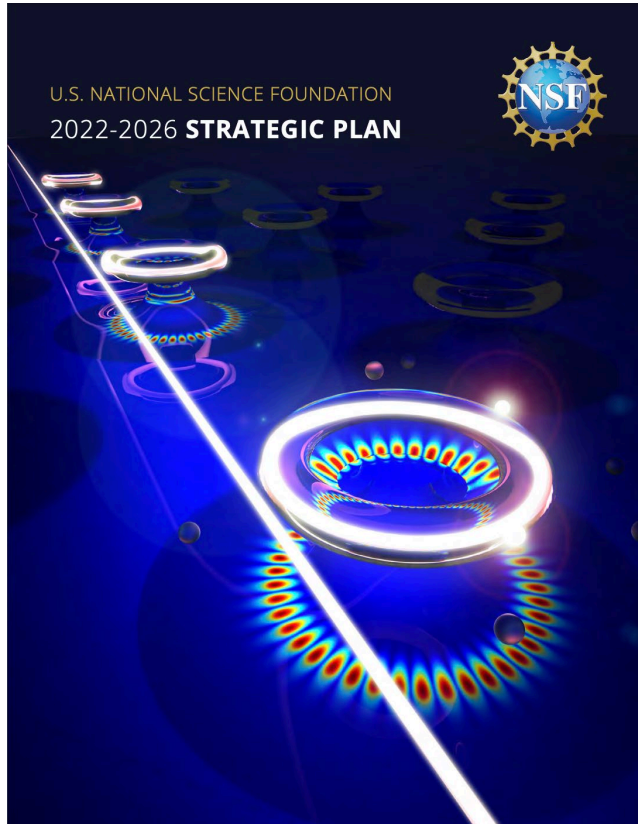
Economic recovery

Racial equity

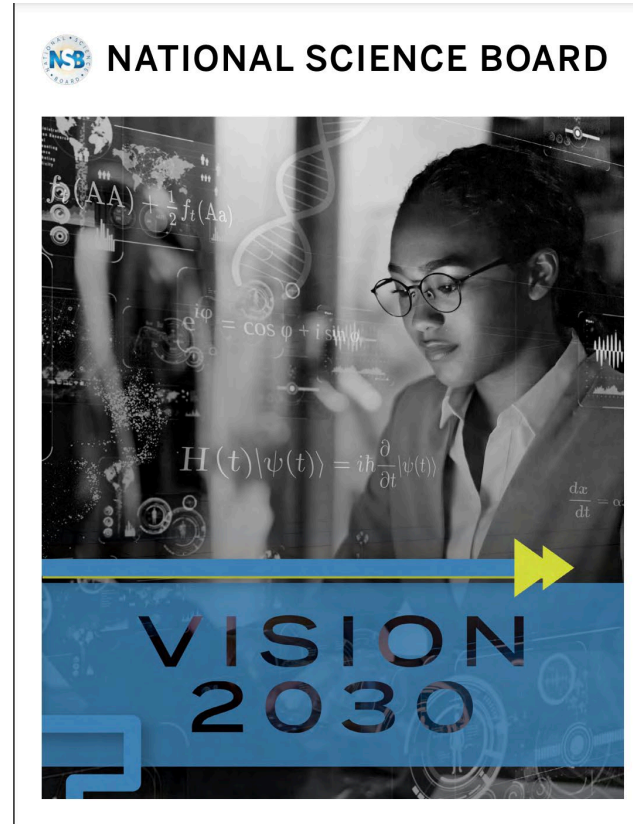
Climate change

NSF Guiding Documents

NSF Strategic Plan, 2022-2026



NSB Vision 2030



NSF FY23 Budget Request



[Major Initiatives](#) /

Broadening Participation in STEM

 [View image credit](#)

Broadening Participation in STEM

[Program Portfolio](#)

[Investments](#)

[Resources](#)

[Events, Outreach and Webinar Videos](#)

[Reports, Studies and Analyses](#)

[Acronym Glossary](#)

[Supporting Women and Girls in STEM](#)

[Introducing: GRANTED](#)

Share



Organization(s)

[Office of the Director \(OD\)](#)

[Office of Integrative Activities \(OD/OIA\)](#)

A diverse and capable workforce is vital to maintaining the nation's standard of excellence in STEM: science, technology, engineering and mathematics.

The U.S. National Science Foundation is committed to expanding the opportunities in STEM to people of all racial, ethnic, geographic and socioeconomic backgrounds, sexual orientations, gender identities and to persons with disabilities.

We value diversity and inclusion, demonstrate integrity and excellence in our devotion to public service and prioritize innovation and collaboration in our support of the work of the scientific community and of each other.

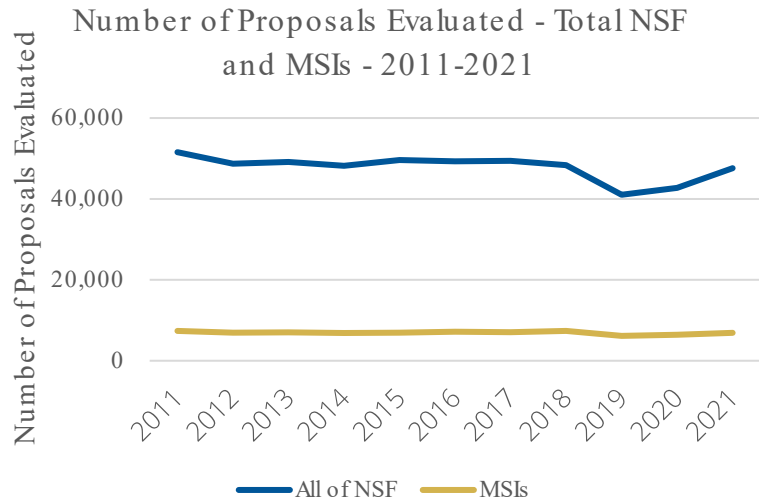
While broadening participation in STEM is included in NSF's merit review criteria, some programs go beyond the standard review criteria. These investments — which make up NSF's *Broadening Participation in STEM Portfolio* — use different approaches to build STEM education and research capacity, catalyze new areas of STEM research, and develop strategic partnerships and alliances.

[Find broadening participation funding](#)

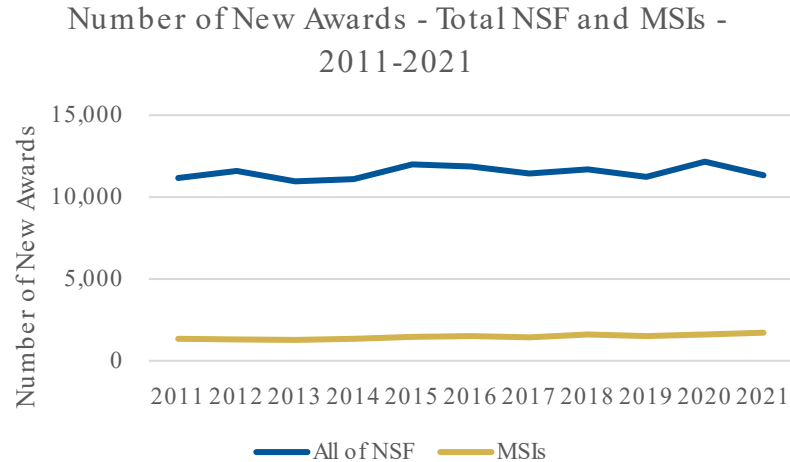
<https://beta.nsf.gov/funding/initiatives/broadening-participation>

NSF by the Numbers

With an annual budget of \$8.5 billion (FY2021), we are the funding source for approximately 25 percent of all federally supported basic research conducted by America's colleges and universities.



Recently, all proposal submissions and evaluations have dropped. MSIs account for approximately 15% of proposals evaluated by NSF



Number of new awards – ups and downs for total NSF and increasing slightly for MSIs, which represent 15% of new awards in 2021

Funding rates for all of NSF (26%) and MSIs (25%) are not significantly differently

Approximately 13% of NSF funded institutions are MSIs

Award obligations to MSIs represent approximately 12% of NSF award portfolio

<https://beta.nsf.gov/about/about-nsf-by-the-numbers>

Check out the new app for IOS/Android



NATIONAL SCIENCE FOUNDATION

NSF has an annual performance goal (APG) to increase the number of proposals from underrepresented investigators and underserved institutions by 10% by the end of September of 2023

<https://www.performance.gov/agencies/NSF/apg/goal-1/>

Improve representation in the scientific enterprise

GOAL LEADERS



Alicia Knoedler

Office Head

Office of Integrative Activities (NSF)



Sylvia Butterfield

Assistant Director (Acting)

Directorate for Education and Human Resources (NSF)

TO ACHIEVE

Improve representation in the scientific enterprise by making changes that will lead to an increase in proposal submissions from underrepresented and underserved applicants and communities.

By September 30, 2023, NSF will increase both the number and proportion of proposals received from underrepresented and underserved 1) investigators and 2) institutions by 10 percent over the FY 2020 baselines.

PROGRESS UPDATES

 [May 2022](#)

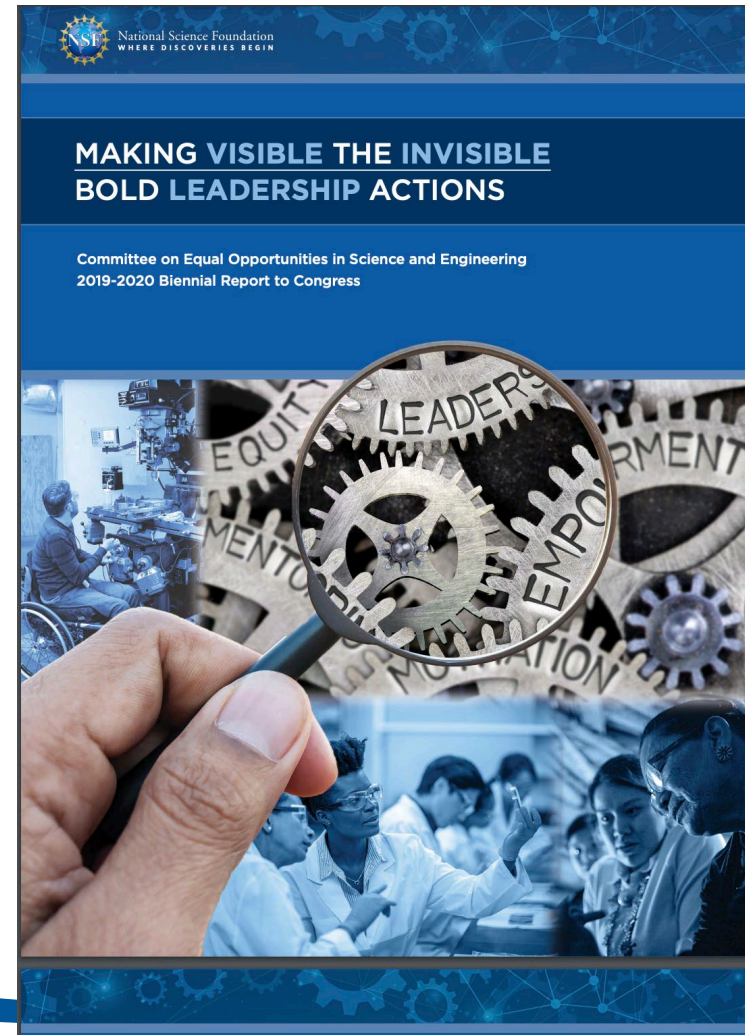


Committee on Equal Opportunities in Science and Engineering (CEOSE)

CEOSE Report suggestion: Transform BP/DEI across institutions/organizations as opposed to one-off activity or project based

Examples:

- Fund development of institutional BP infrastructure (infrastructure improvement) to make institutions competitive for programs like Sea Change;
- Establish funding programs that focus on the development of institutional broader impacts;
- Learn from the unique cultures of Minority Serving Institutions (MSIs) and use them as models to create equitable and inclusive spaces at all institutions/organizations.



Directorate Support for Underserved and Underresourced Institutions

- 1 BIO - Building Research Capacity of New Faculty in Biology (BRC-BIO)
- 2 CISE - Research Expansion Program (CISE-MSI)
- 3 EHR/EDU - Improving Undergraduate STEM Education: Hispanic-Serving Institutions (HSI Program)
- 4 ENG - Engineering Research Initiation (ERI)
- 5 GEO - Pathways into the Earth, Ocean, Polar and Atmospheric & Geospace Sciences (GEOPathS)
- 6 MPS - Expanding Capacity in Quantum Information Science and Engineering (ExpandQISE)
- 7 SBE – Build and Broaden 3.0
- 8 TIP – opportunities coming soon!

Many of these programs are multi-directorate



Growing Research Access for Nationally Transformative Equity and Diversity

(GRANTED)

- Strengthens the Nation's research enterprise
- Mitigates the barriers to competitiveness and enhances research capacity at emerging and underserved research institutions
- Focuses FY2023 funding to support minority-serving institutions
- **Supported Activities**
 - Enhance research administrative support and infrastructure
 - Support research administration leadership
 - Partner with national and regional professional societies



Growing Research Access for Nationally Transformative Equity and Diversity

(GRANTED)

Potential solicitation ideas:

- Idea Labs for GRANTED, enabling ideation within research communities
- RCNs/Research Administration Coordination Networks (RACNs)
- Funds to hire Research Enterprise Staff within institutions/organizations/entities
- Virtual Sponsored Research Offices
- Evaluation and implementation projects
- Alignment of GRANTED funds to priority projects in directorates
- EAGERs
- Other Ideas??



Questions and Comments

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<https://beta.nsf.gov/od/oia>

