ASTC Federal Agency Engagement Webinar

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National Science Foundation

• An independent federal agency created by Congress in 1950 "to promote the progress of science; to advance the national health, prosperity, and welfare; to secure the national defense..."

• Vital because we support basic research and people to create knowledge that transforms the future.
NSF BY THE NUMBERS

93%
Funds research, education and related activities

$8.8B
FY 2022 Enacted

43,600
Proposals evaluated

2,000
NSF-funded institutions

11,300
Number of awards NSF funds each year

318K
People NSF supported

$1.5B
STEM education

$181M*
To seed public/private partnerships

253
NSF-funded Nobel Prize winners

Data represents FY 2021 Actuals unless otherwise indicated.
*Corresponds to NSF investments initiated in FY 2021 and spanning multiple years.
Examples of Significant NSF Investments
NSF’S MISSION

To promote the progress of science; to advance the national health, prosperity, and welfare; and to secure the national defense.

Director’s Vision

- Advance the frontiers of research into the future
- Ensure accessibility and inclusivity
- Secure global leadership

We can accomplish this vision with:

SPEED AND SCALE

- PEOPLE
- PARTNERSHIPS
- TRANSATION

We are in a DEFINING MOMENT

- Intensity of global competition
- Urgent need for domestic talent
- Broad support for science as path for solving global grand challenges
TIP: Accelerating Research Toward Impact

TIP integrates with NSF’s existing directorates and fosters partnerships—with government, industry, nonprofits, civil society and communities of practice—to leverage, energize and rapidly bring to society use-inspired research and innovation.

Collaborates with other TIP and NSF units to seed new programs that accelerate advances in key technologies areas.

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<th>Fostering Innovation and Technology Ecosystems</th>
<th>Establishing Translation Pathways</th>
<th>Partnering to Engage the Nation’s Diverse Talent</th>
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<td>Nurtures regional and national innovation and technology ecosystems to support researchers and innovators to converge, develop and accelerate use-inspired research for societal impact.</td>
<td>Supports startups through a lab-to-market platform and establishes new pathways for translating research results for society.</td>
<td>Advances and deepens high-impact, public and private partnerships across all areas of science, engineering and education to cultivate innovation ecosystems, create technology solutions, and support future STEM leaders.</td>
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TIP harnesses the nation's vast and diverse talent pool to advance critical and emerging technologies, address pressing societal and economic challenges, and accelerate the translation of research results from lab to market and society. TIP improves U.S. competitiveness, growing the U.S. economy and training a diverse workforce for future, high-wage jobs.

www.beta.nsf.gov/tip/latest
NSF’s Commitment to Public Engagement

Strategic Objective 1.2 – Unleash STEM talent for America (continued)

Grow a diverse STEM workforce to advance the progress of science and technology.

Informal Education
Informal education is another powerful means to diffuse knowledge, provide learning and instill interest in STEM topics in everyone throughout their lives.

Citizen-engaged science, for example, fosters informal education and involves citizens in a meaningful, gratifying way as it advances science at the same time. NSF invests in research on informal education that is intended to develop more effective approaches to engaging the public and to help citizens develop a better understanding of science and the scientific process.

Indicators of progress towards this objective could include increases in the number and diversity of students, teachers and members of the public who participate in NSF formal and informal education activities.
Thank You!

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