



An Overview of NSF's Organizational Structure and Funding Mechanisms: Focused on ENG, SBE, and CAREERS



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The following are observations and insights gained while a Program Officer at NSF and from working with and being funded by NSF. Any opinions, findings, and conclusions or recommendations expressed are my own and do not necessarily reflect the views of the National Science Foundation. I have tried to be accurate in the information presented, but there are bound to be mistakes because NSF, its programs, its solicitations, and funding mechanisms change constantly and are always time dependent. Presentation: UCF Enabling Workshop, May 21, 2026.



Contents

- **A little on the organizational structure of NSF.**
 - Directorates, Divisions, and Programs
 - Deeper dives into:
 - Engineering, Civil, Mechanical and Manufacturing Innovation (CMMI), and its Programs
 - Social, Behavioral and Economic Sciences, its Divisions and Programs
- **How does NSF fund research?**
 - Unsolicited grant opportunities from core programs
 - Special Solicitations and Initiatives: CAREERs and Others
 - Supplements

Where do things stand?

(Science is against the wall with a blindfold over its eyes.)

○ NSF has been decimated

- Severe reduction in personnel
 - Permanent and IPAs/rotators/experts/staff
- Massive re-organization and disorganization
- Loss of Headquarters and physical infrastructure

○ Change in emphasis areas and pull back in awards

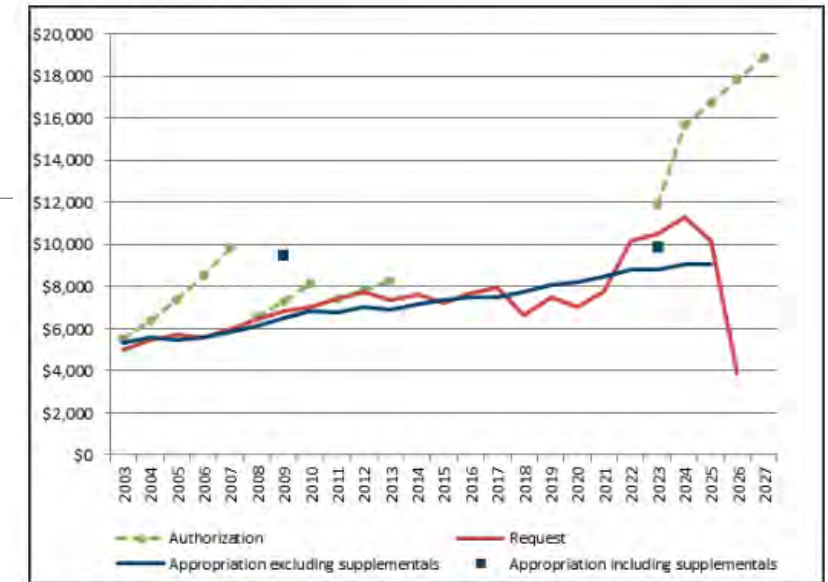
○ Funding is under assault

- 2026 Proposed \$3.9 billion (-75% ENG, -67.6% SBE, -55.3% NSF), Allocated \$9.06 billion (essentially level). But there are additional issues with OMB approval.
- 2027 Proposed \$3.96 billion (-74.9% ENG, -100% SBE; -55.1% NSF). Allocation. TBA.

Sources: 1) <https://www.nsf.gov/about/budget/all> 2) figures: https://www.congress.gov/crs-product/R48783#_Ref205362489

Figure 2. Current Dollar NSF Authorizations, Budget Requests, and Appropriations, FY2003 to FY2027

(in millions of current dollars)

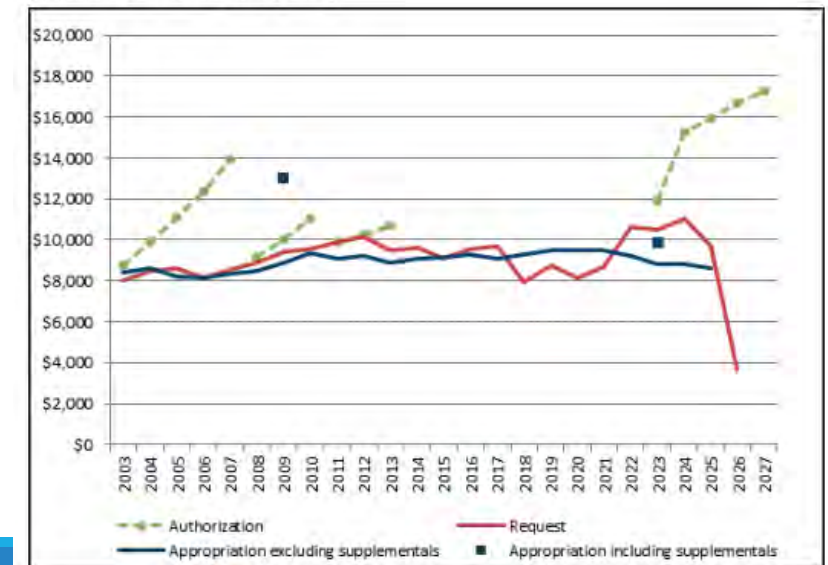


Sources: See Table A-1.

Note: NSF = National Science Foundation.

Figure 3. Constant Dollar NSF Authorizations, Budget Requests, and Appropriations, FY2003 to FY2027

(in millions of constant 2023 dollars)



Sources: See Table A-1.

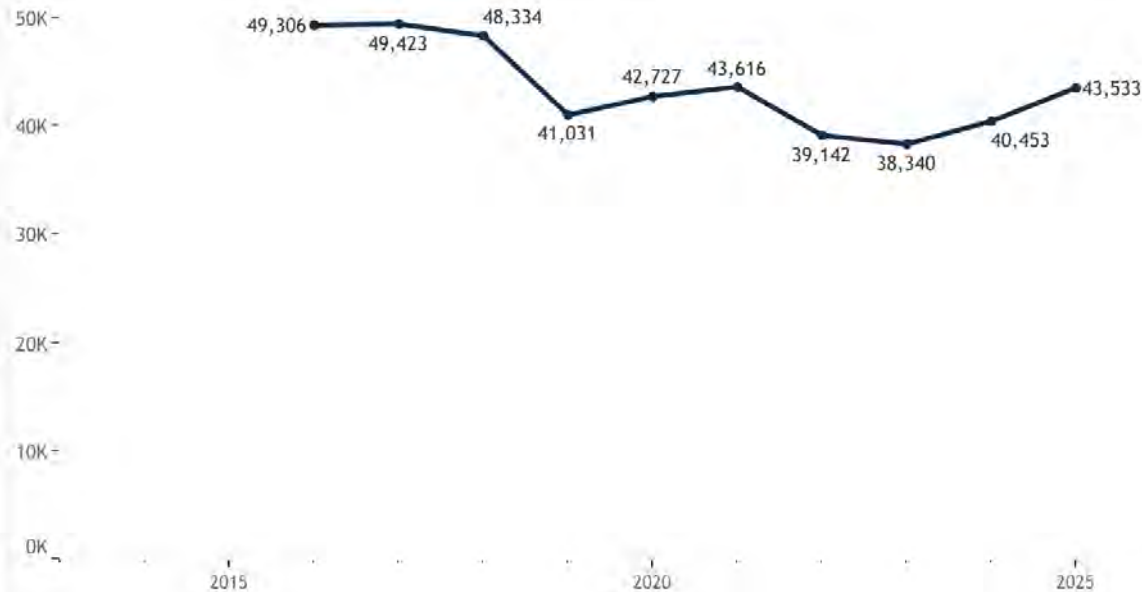
Where things stand for NSF as a whole.

(Are we standing or on our knees?)

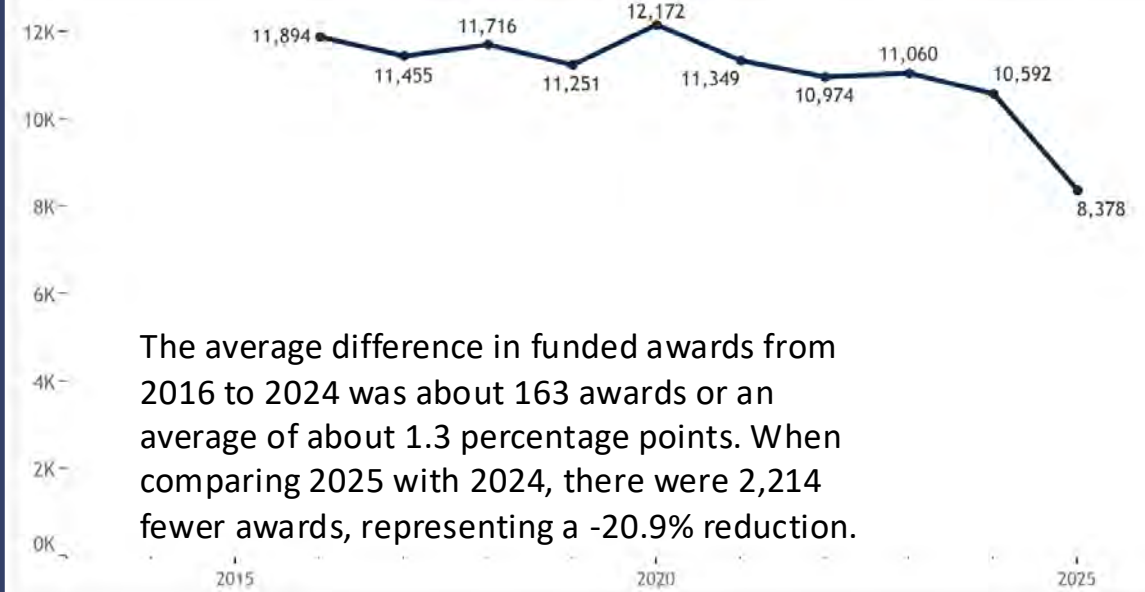


NSF by the Numbers	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Proposals Evaluated	49,306	49,423	48,334	41,031	42,727	43,616	39,142	38,340	40,453	43,533
New Awards Funded	11,894	11,455	11,716	11,251	12,172	11,349	10,974	11,060	10,592	8,378
Funding Rate	24.1%	23.2%	24.2%	27.4%	28.5%	26.0%	28.0%	28.8%	26.2%	19.2%

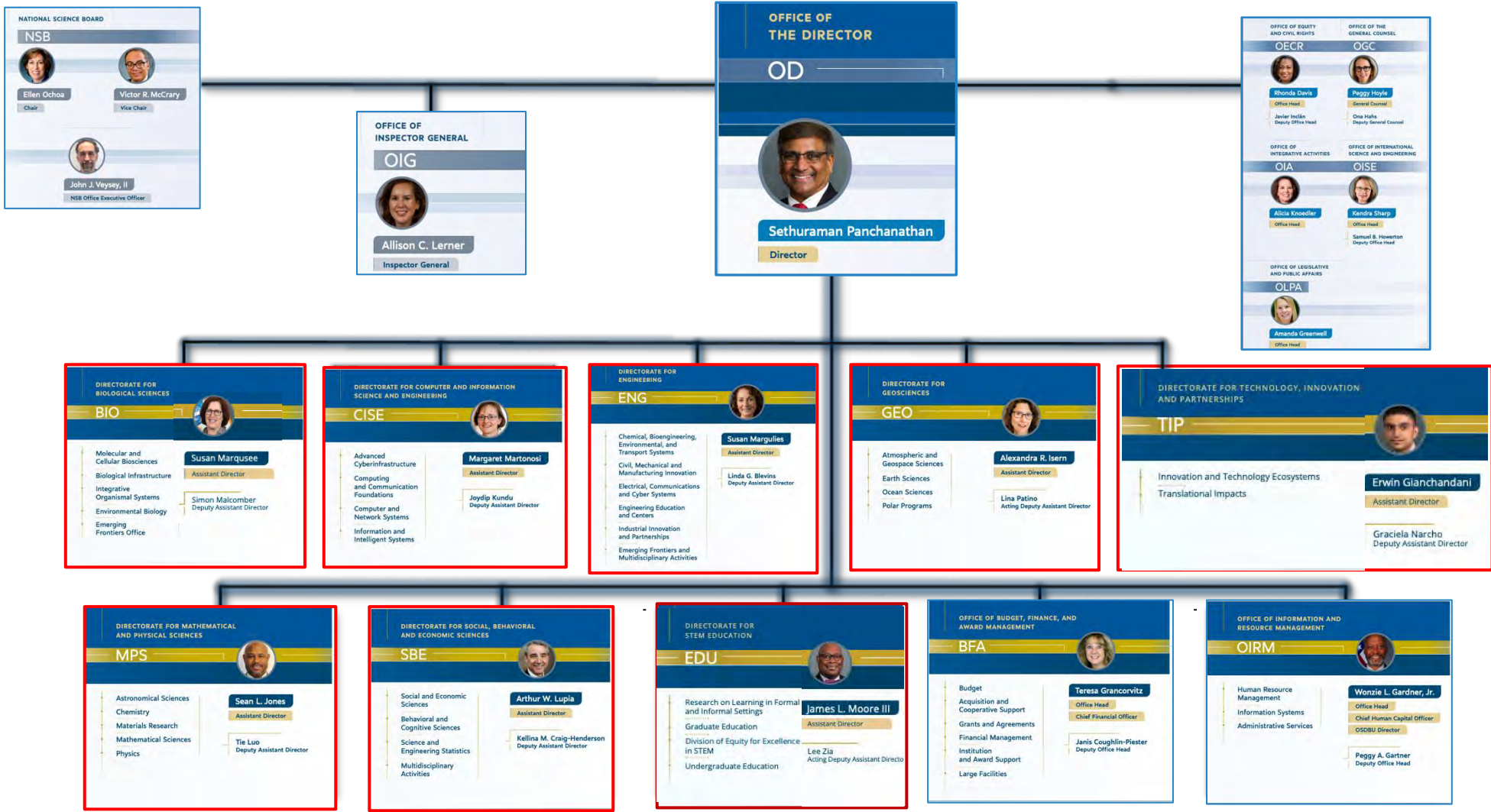
Proposals Evaluated



New Awards Funded



National Science Foundation: An Out-of-date Organization Chart





National Science Foundation: Org. Chart

Our Directorates and Offices

NSF announces organizational realignment

To keep America at the forefront of science, engineering and technology, the U.S. National Science Foundation has made some changes in how the agency is structured to increase our efficiency and effectiveness. This new structure empowers our staff and the scientific and research community to be more responsive in a rapidly evolving science and technology environment. These changes reduce the number of layers in the organization, which allows the agency to more effectively interface with our staff, while achieving faster response times for review and making awards.

NSF plays a critical role in America's innovation ecosystem, which is built on a unique partnership among government, academia, industry and nonprofit research institutions. We are committed to focusing our research investments to catalyze this ecosystem to make deep and meaningful impacts to the lives of the American people.

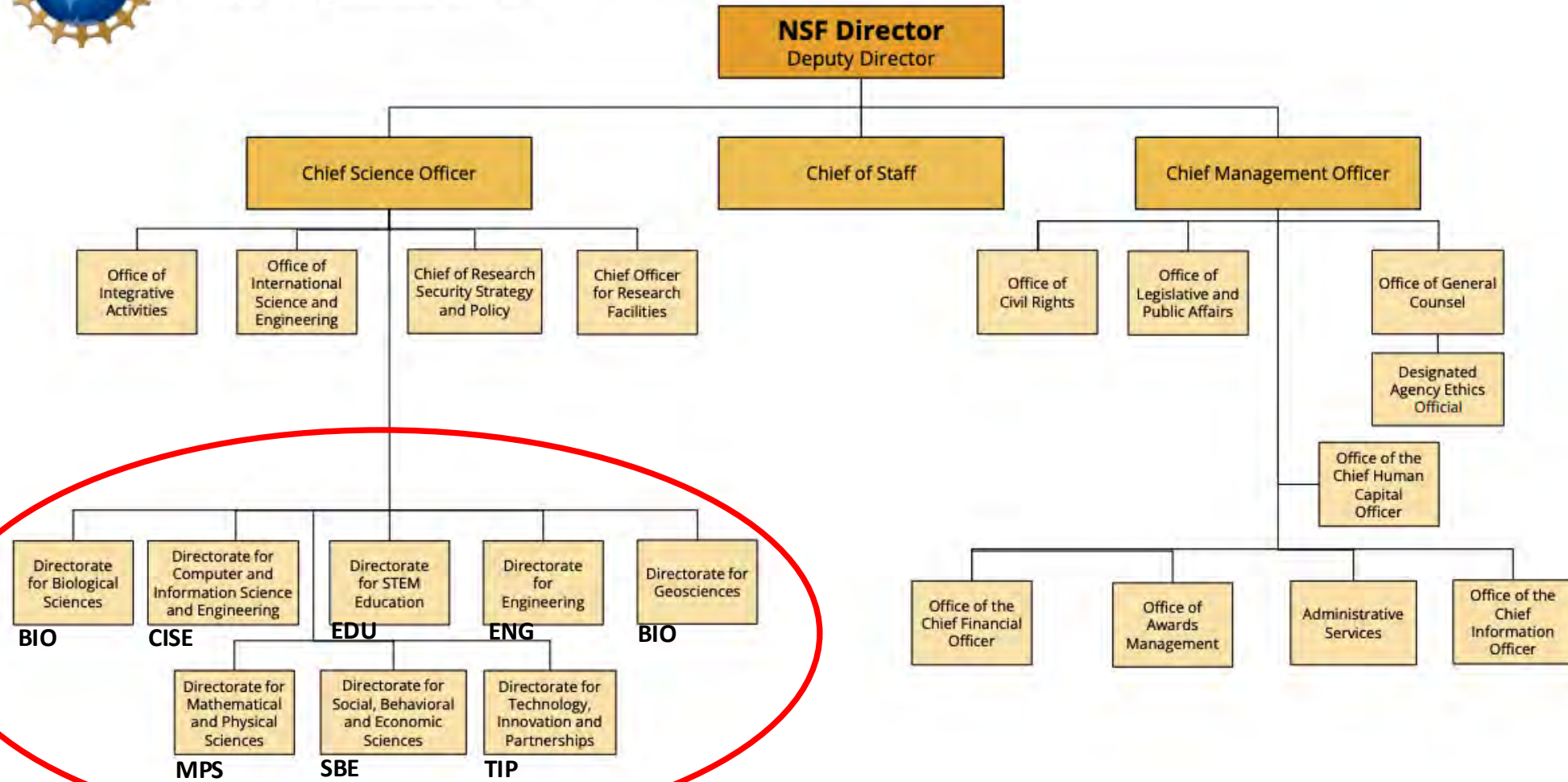
[View the NSF organizational chart \(PDF, 68.1 KB\).](#)

National Science Foundation: Org. Chart



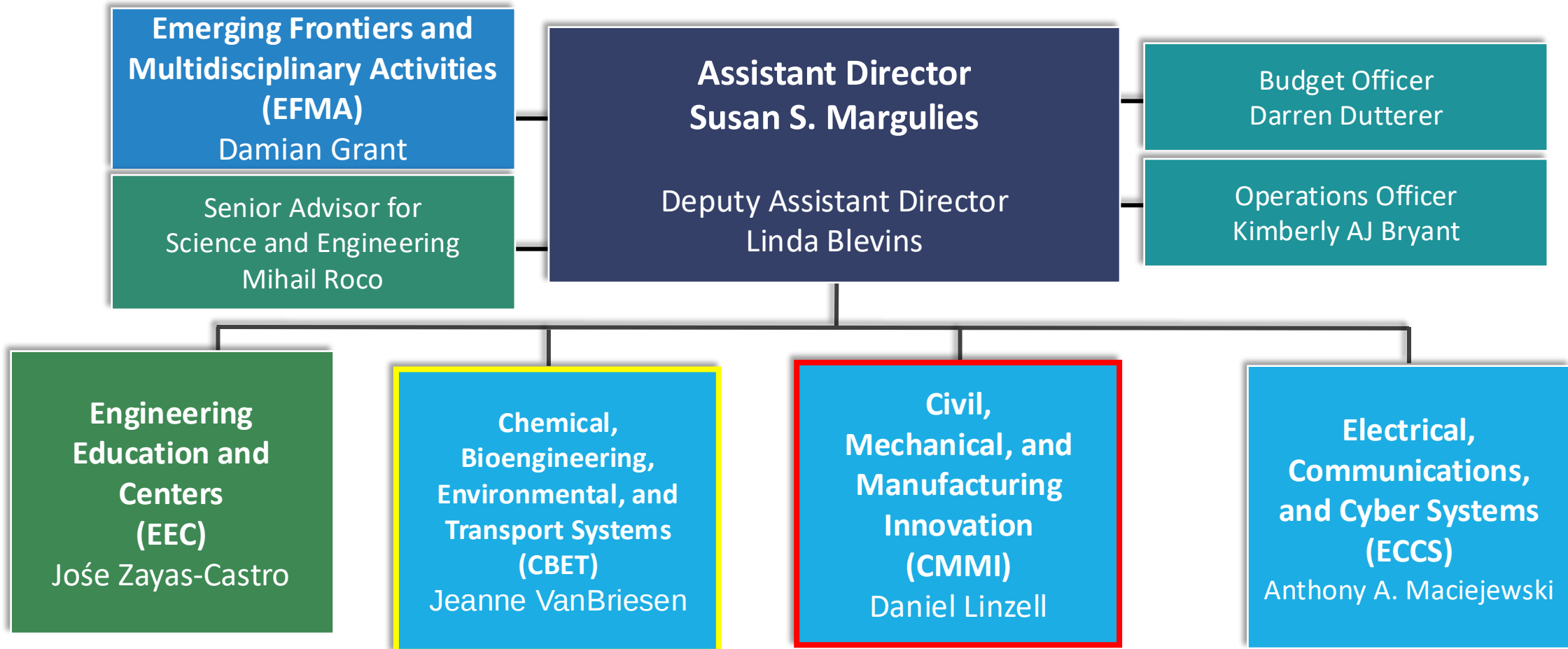
U.S. National Science Foundation

12/14/2025 organizational structure





Directorate of Engineering (out of date)





Directorate of Engineering



⚠ NSF reorganization

Updates to reflect [the new organizational structure of ENG](#) are in progress. Some information on this page may no longer be current.

NSF ENG leadership changes

February 23, 2026

The U.S. National Science Foundation Directorate for Engineering (NSF ENG) welcomes new leadership as part of an agencywide reorganization.

NSF ENG is led by Directorate Head **Don Millard** (dmillard@nsf.gov) with deputy directorate heads **Alexis Lewis** (alewis@nsf.gov) and **William Olbricht** (wolbricht@nsf.gov). The three work closely with ENG section leaders to oversee the directorate's portfolio of engineering research and education.

As part of the NSF realignment, the four divisions within ENG were changed into four sections, shown here with their respective leadership:

- **NSF Chemical, Biological, Environmental and Transport Systems Section:** William Olbricht (wolbricht@nsf.gov) and Carole Read (cread@nsf.gov).
- **NSF Civil, Mechanical and Manufacturing Innovation Section:** Alexis Lewis (alewis@nsf.gov) and Siddiq Qidwai (sqidwai@nsf.gov).
- **NSF Electrical, Communications and Computing Systems Section:** Anthony Maciejewski (amacieje@nsf.gov) and Richard Nash (rnash@nsf.gov).
- **NSF Engineering Education and Centers Section:** Eric Miller (emiller@nsf.gov) and Kemi Ladeji-Osias (jladejio@nsf.gov).

The ENG **Office of Emerging Frontiers and Multidisciplinary Activities** will continue to be led by Sohi Rastegar (srastega@nsf.gov).

Together, the staff and leadership of ENG will continue to deliver on NSF's mission to advance the progress of science and enable a better quality of life, economic opportunities and stronger national security.

nt Director

S. M

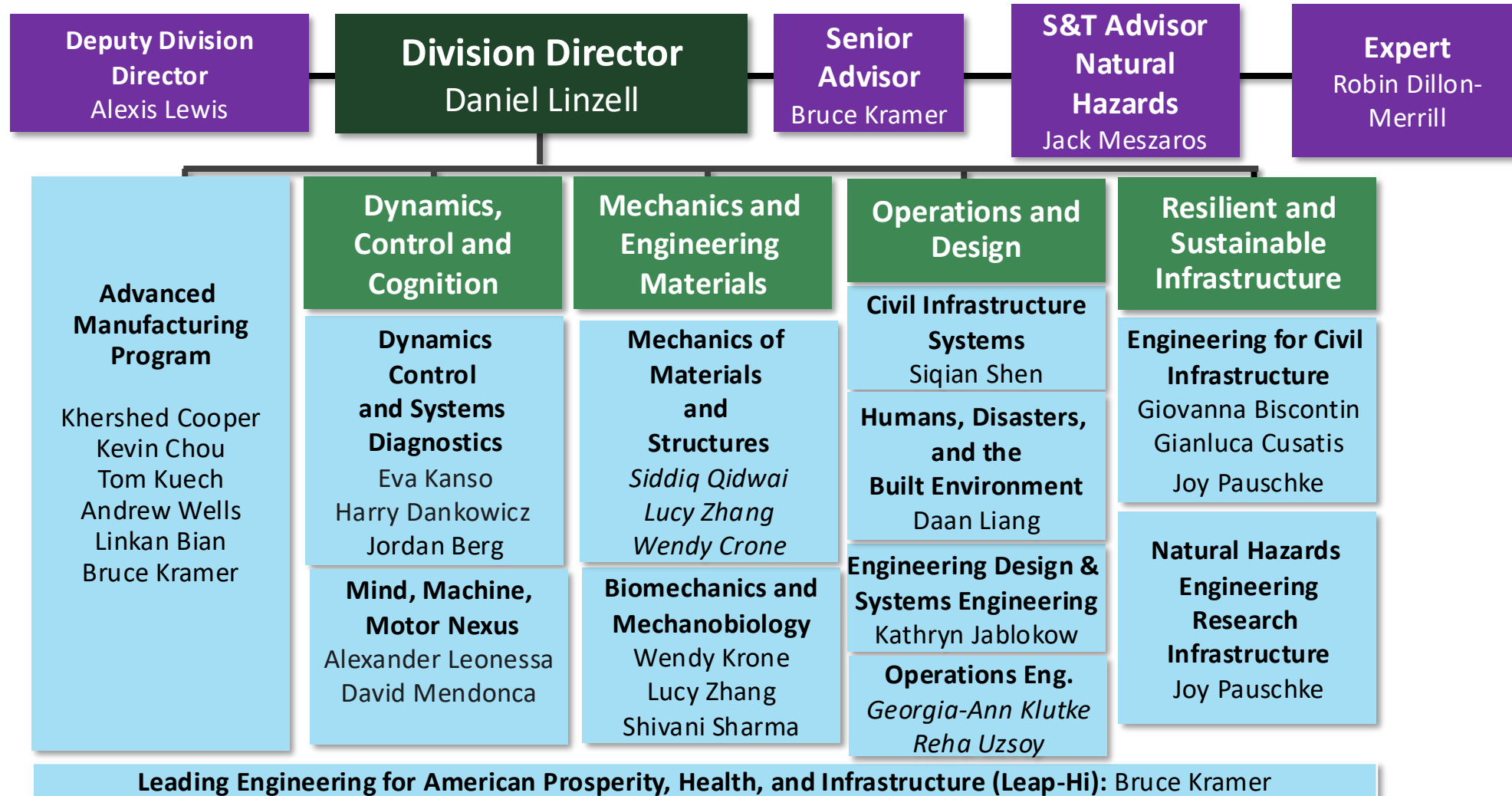
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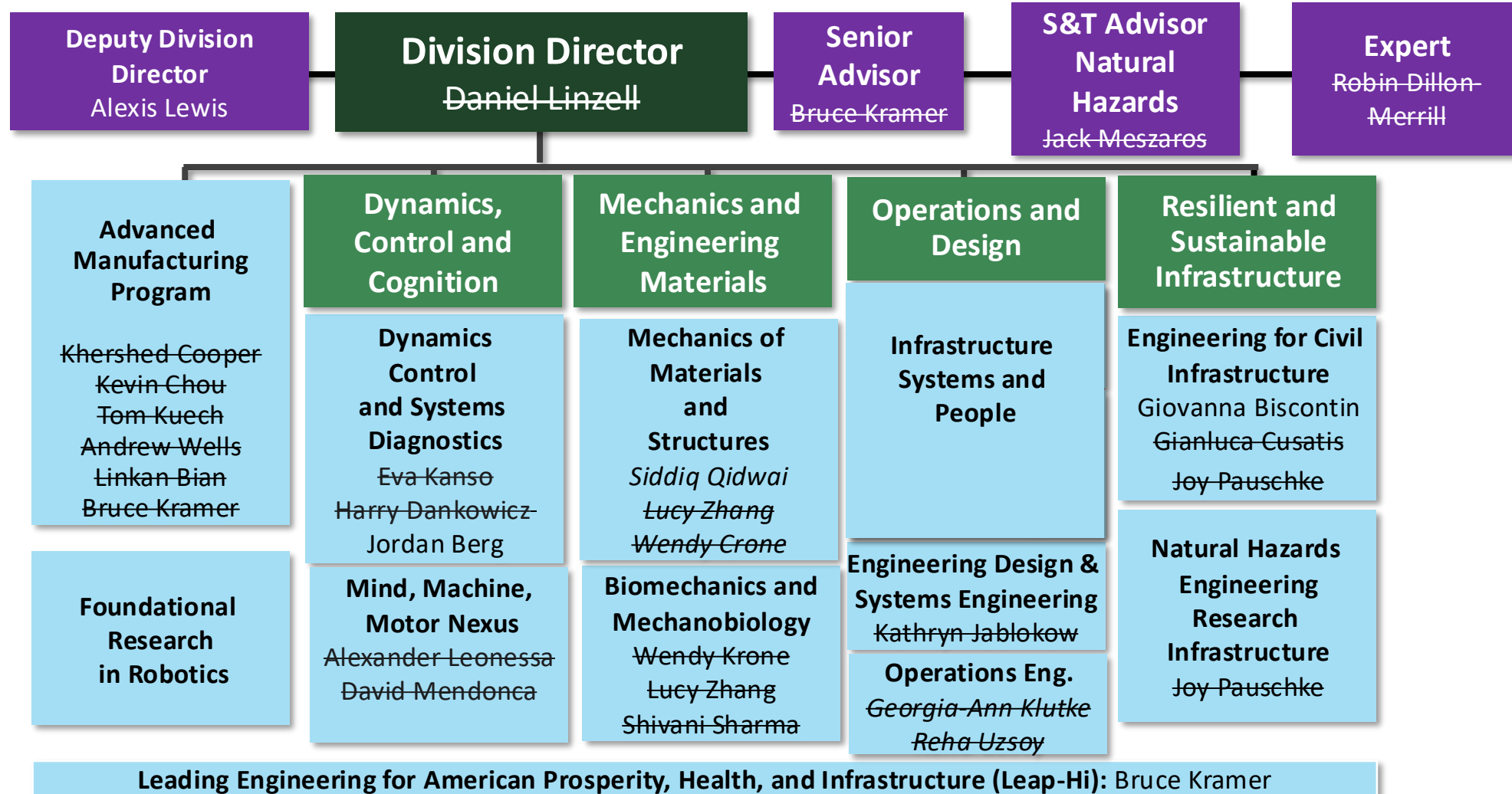
Budget Officer

- There soon may be no divisions.
- There will be “sections” and “clusters”
- No IPA/Rotators (so far)
- No Experts (so far)

Civil, Mechanical and Manufacturing Innovation (CMMI) Division (old and out of date)



Civil, Mechanical and Manufacturing Innovation (CMMI) Division-Section



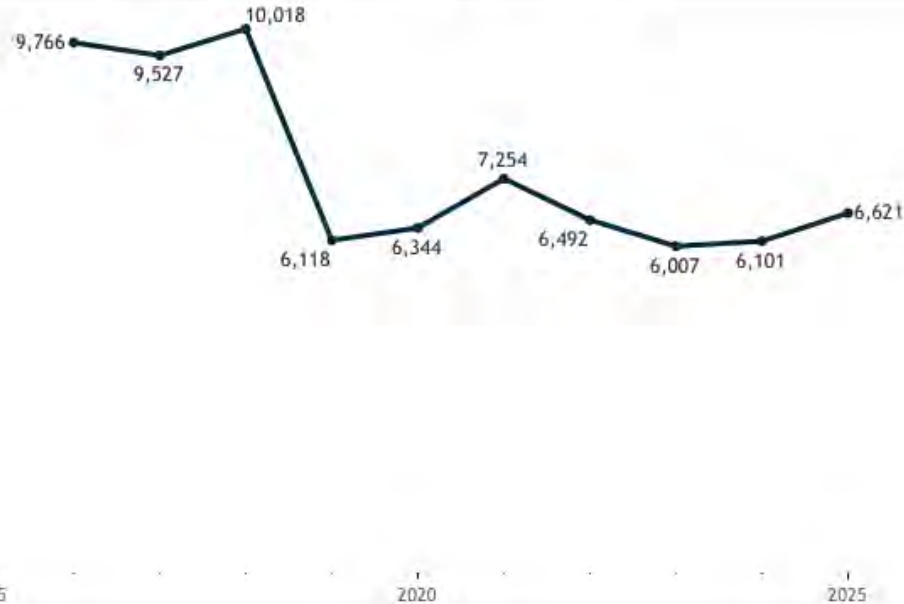
Where things stand for ENG.

(Are we standing or on our knees?)

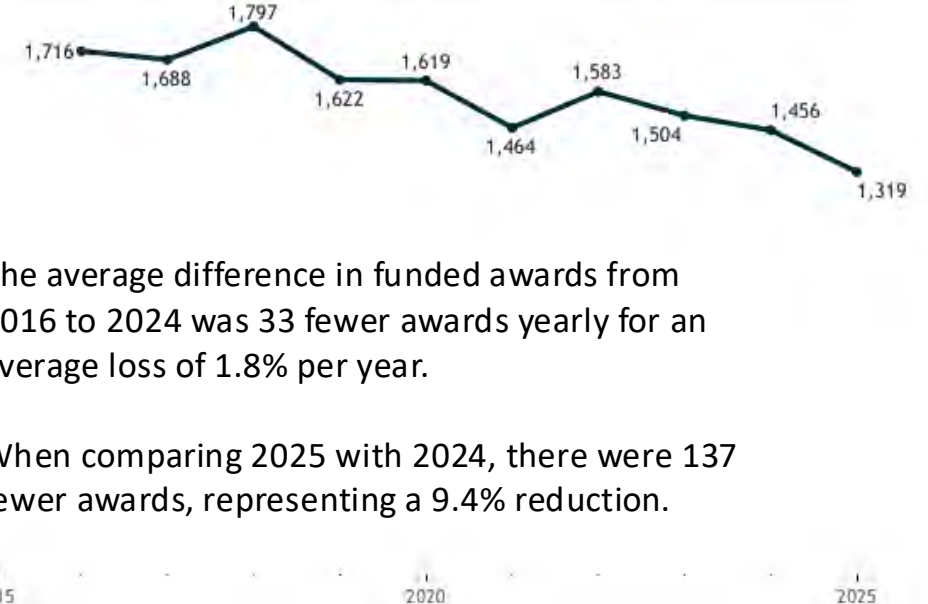


ENG by the Numbers	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Proposals Evaluated	9,778	9,527	10,018	6,118	6,344	7,254	6,492	6,007	6,101	6,621
New Awards Funded	1,716	1,688	1,797	1,622	1,619	1,464	1,583	1,504	1,456	1,319
Funding Rate	17.5%	17.7%	17.9%	26.5%	25.5%	20.2%	24.4%	25.0%	23.9%	19.9%

Proposals Evaluated



New Awards Funded

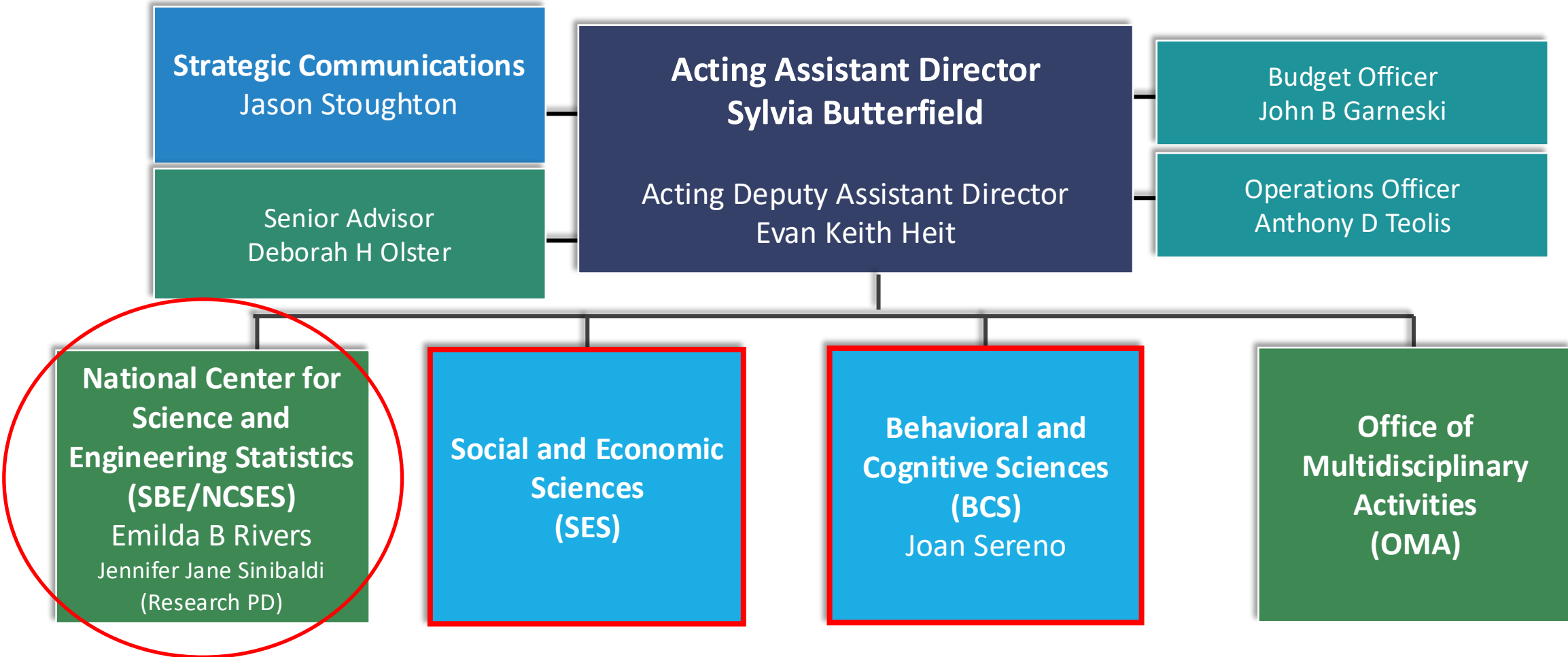


The average difference in funded awards from 2016 to 2024 was 33 fewer awards yearly for an average loss of 1.8% per year.

When comparing 2025 with 2024, there were 137 fewer awards, representing a 9.4% reduction.

Directorate for Social, Behavioral & Economic Sciences

(old and out of date -- just an idea of the former structure)





Social, Behavioral & Economic Sciences: Divisions

What are the SBE sciences? The SBE sciences explore human behavior and social organizations. They look at how economic, political, environmental, social, and cultural forces affect the lives of people from birth to old age – and how people in turn shape those forces. SBE scientists promote the progress of science by developing and employing rigorous methods to discover fundamental principles of human behavior at levels ranging from cells to society and across space and time. These fundamental principles studied by the SBE sciences help us understand patterns of stability, change, conflict, and cooperation that can be applied to advance the nation's health, prosperity, welfare and to secure the national defense. In other words, SBE plays a critical role in NSF's mission

National Center for Science and Engineering Statistics



The Nation's leading source of data and information on the U.S. Science and Engineering Enterprise, including statistics on the workforce, educational pathways, research and development funding and performance, and innovation and outcomes.

Office of Multidisciplinary Activities



- SBE Postdoctoral Research Fellowships
- Science of Science and Innovation Policy
- Research Experiences for Undergraduates

Social, Behavioral & Economic Sciences: Divisions

Behavioral and Cognitive Sciences



- Archeology & Archaeometry
- Biological anthropology
- Cognitive Neuroscience
- Cultural Anthropology
- Developmental Sciences
- Dynamic Language infrastructure
- Human Networks and Data Science
- **Human-Environment and Geographical Sciences**
- Linguistics
- Perception, Action, & Cognition
- Science of Learning and Augmented Intelligence
- Social Psychology

Social and Economic Sciences



- Accountable Institutions and Behavior (ABI)
- **Decision, Risk and Management Sciences (DRMS)**
- Economics
- Law & Science (LS)
- Methodology, Measurement, and Statistics (MMS)
- Science of Organizations (SoO)
- Science of Science:
- A Science of Science Approach to Analyzing & Innovating...
- Science and Technology Studies (STS)
- Security and Preparedness (SAP)
- Sociology

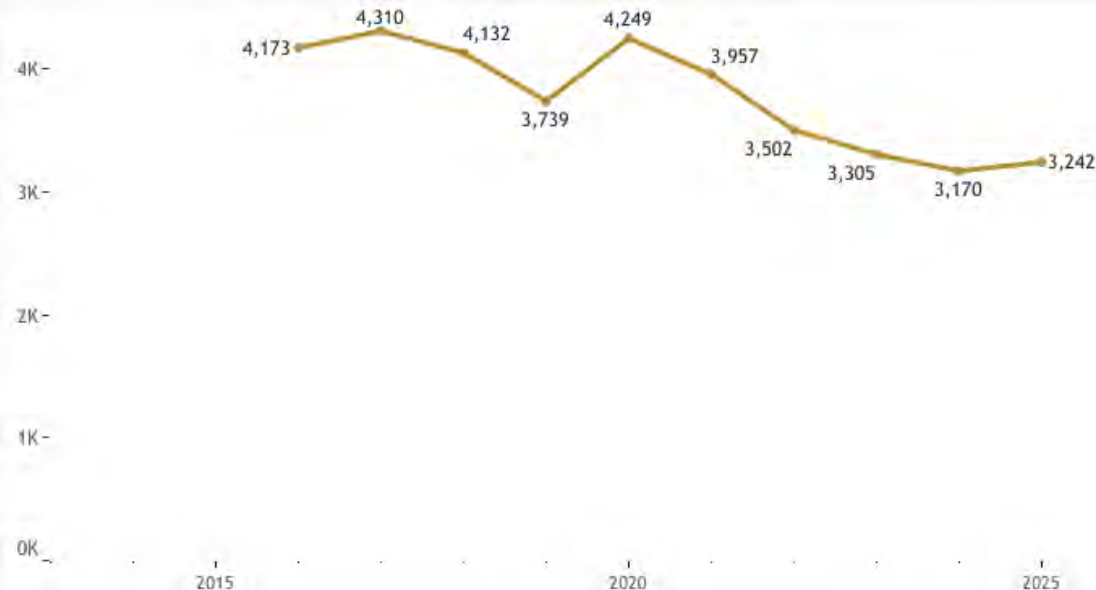
Where things stand for SBE.

(Are we standing or on our knees?)

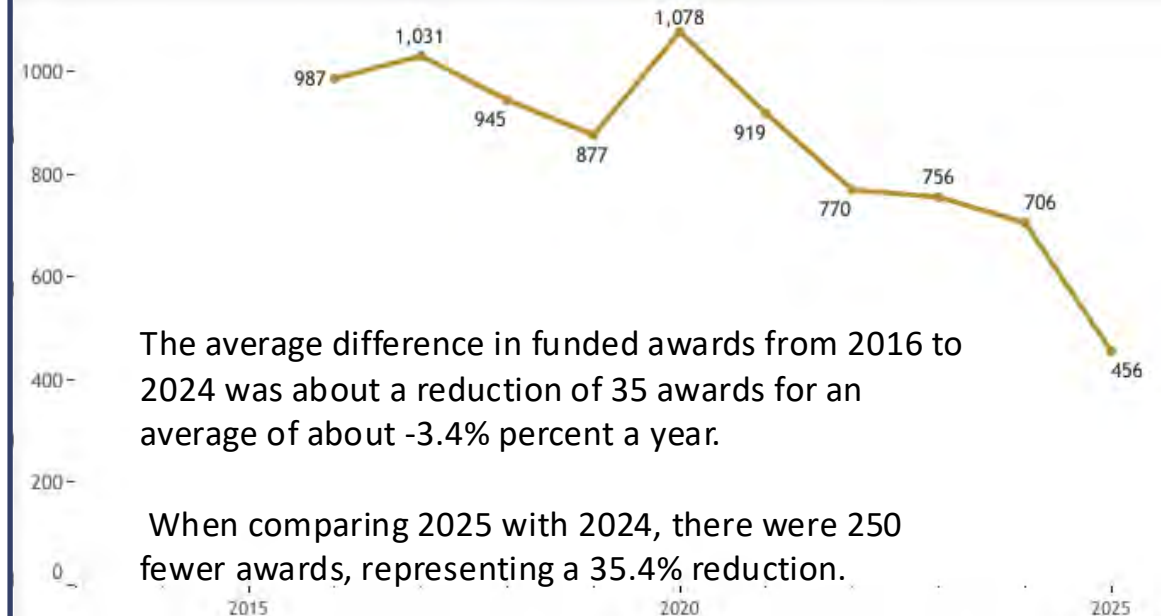


SBE by the Numbers	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Proposals Evaluated	4,173	4,310	4,132	3,739	4,249	3,957	3,502	3,305	3,170	3,242
New Awards Funded	987	1,031	945	877	1,078	919	770	756	706	456
Funding Rate	23.7%	23.9%	22.9%	23.5%	25.4%	23.2%	22.0%	22.9%	22.3%	14.1%

Proposals Evaluated



New Awards Funded





Funding Mechanisms: Core/Unsolicited Grants

- **Core/Unsolicited:** Proposals focused on programmatic themes/areas
 - Read the program description, investigate awards, **AND** communicate with the Program Officer/Director
 - Talk with PDs, but do not simply call them up with a general/vague idea...
 - Send them a one-page project summary: Overview, Intellectual Merit, Broader impacts.
 - Deadlines:
 - No deadlines in Engineering; Investigators have a 1-year moratorium on re-submission.
 - Other programs have deadlines: beginning of the year (January) and End of Summer (August) (see program guidelines)
 - Types: Standard grant, continuing; Single university. Collaboratives from one University, multi-university collaboratives
- What are programs funding and how do I find the right Program?
 - How do I find the right program?
 - Talk with colleagues
 - Read acknowledgements on publications regarding funding support and then use the “award search” to look up the grant number and find the directorate, division, program and maybe program officer.
 - Explore programs & contact program officers. This is difficult under the current situation.
 - Award Search – www.nsf.gov
 - What is being funded, topic areas, amounts, years, etc.
 - Key word, program (ISP, DRMS), etc.

U.S. National Science Foundation

Search NSF

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Awards Advanced Search

Overview of Award Search Features

Recipient Information

Principal Investigator First Name: ?

Principal Investigator Last Name: ?

☐ Include Co-Principal Investigator in name search

Organization: ?

State: ?

Congressional District: ?

ZIP Code: ?

Country: ?

Program Information

NSF Organization: ?

Element Code: ?

Reference Code: ?

HINT: The "Program" box searches both program element and program reference names and codes.

Program: ?

Program Officer: ?

Additional Information

Keyword(s): ?

HINT: The Keyword field searches on the title and abstract only.

☐ Search Award Title Only

Award Number: ?

Award Amount: ?

Award Instrument: ?

HINT: Data prior to 1976 may be less complete.

☒ Active Awards ☐ Expired Awards

Original Award Date: ?

Start Date: ?

End Date: ?

Award Search



Program Reference Codes are a type of NSF funding code often used for cross directorate or NSF-wide programs. The search looks for awards with all the entered codes by default

Reference Code: ?

Some Disaster/Hazard Related Codes

1045 CAREER
7914 RAPID

1321 Decision Risk & Management Science
1372 Law and Social Sciences
1333 Methods, Measurement and Statistics
1638 Infrastructure Management and Extreme Events

040E Hazard Mitigation of Structural Systems
041E Hazard and Disaster Reduction
042E Hazard and Disaster Response
043E Earthquake Engineering
1483 Earthquake Engineering Research Centers
1637 Hazard Mitigation and Structural Engineering
5597 Earthquake Hazards Mitigation Design
5596 Earthquake Hazards Mitigation
0737 Emergency Plan Ops & Services
7293 Disaster Response Teams

9196 Natural Disasters
161Z Landslide Research
1322 Fire-Wildland Fire

7582 Hurricane Katrina
8293 Hurricane Sandy
9288 Loma Prieta Earthquake

029E Infrastructure Systems Management
6867 Infrastructure
1064 Urban Infrastructure

7757 Land use/land Cover
1126 Long-Term Ecological Research (LTER)
1195 Long Term Ecological Research
1644 Network for Earthquake Engineering Simulation
1576 National Earthquake Hazard Reduction Program
8073 NSF-Census Research Network
021E Water Management
1435 Water research Urban and Environment
145E Water Sustainability

Continuing to stimulate funding from programs makes sense and is vitally important.



Additional Funding Mechanisms (by programs, PDs)

- **Rapid Response Research (RAPID):** Must inform and be approved for submission by the PD. Up to 200K (1-year) but programmatic ranges. HDBE had a cap of 50K. Review process contingent on program and amount.
- **Early-Concept Grants for Exploratory Research (EAGER):** Must inform and be approved for submission by the PD. Up to 300K (2-year) but programmatic variations. Review process contingent on program and amount. HDBE gives a very, very small number of these.
- **Workshops/Conferences:** Focused events to review state of art, identify gaps and challenges, suggest paths forward, and build consensus. Again, these have been somewhat limited for HDBE. Talk with your PD and get approval before submission; note there will be limits and programmatic caps.



Funding Mechanisms: Special Solicitations

- **Faculty Early Career Development Program (CAREER):**

- Hold a doctoral degree as of submission date
- Be engaged in research in an area of science, engineering, or education supported by NSF;
- Hold at least a 50% tenure-track (or tenure-track-equivalent) position as an assistant professor (or equivalent title);
- May not participate in more than three CAREER competitions.
- Must be untenured
- May not have previously received an NSF CAREER award
- Criteria:
 - Intellectual Merit
 - Broader Impacts
 - Integrated research and education program.
- Departmental buy-in/support is important
- \$500,000+ for 5 years.

CAREER: The Faculty Early Career Development (CAREER) Program is a Foundation-wide activity that offers the National Science Foundation's most prestigious awards in support of early-career faculty who have the potential to serve as academic role models in research and education and to lead advances in the mission of their department or organization. Activities pursued by early-career faculty should build a firm foundation for a lifetime of leadership in integrating education and research. NSF encourages submission of CAREER proposals from early-career faculty at all CAREER-eligible organizations.



CAREERs: Additional Information

Directorate for Engineering (NSF ENG)

Directorate contacts:

Giovanna Biscontin

Carole Read

**Chemical, Bioengineering, Environmental and
Transport Systems:**

Carole Read

Civil, Mechanical and Manufacturing Innovation:

Giovanna Biscontin

Electrical, Communications and Computing Systems:

Jenshan Lin

Engineering Education and Centers:

Alice Pawley

Directorate for Social, Behavioral and Economic Sciences (NSF SBE)

Directorate Contacts:

Rebecca Ferrell

Jan E. Leighley

NSF CAREER Proposal Submission Logistics Webinar

Thursday, June 25, 2026, from 2 to 3:30 p.m. EDT

Location

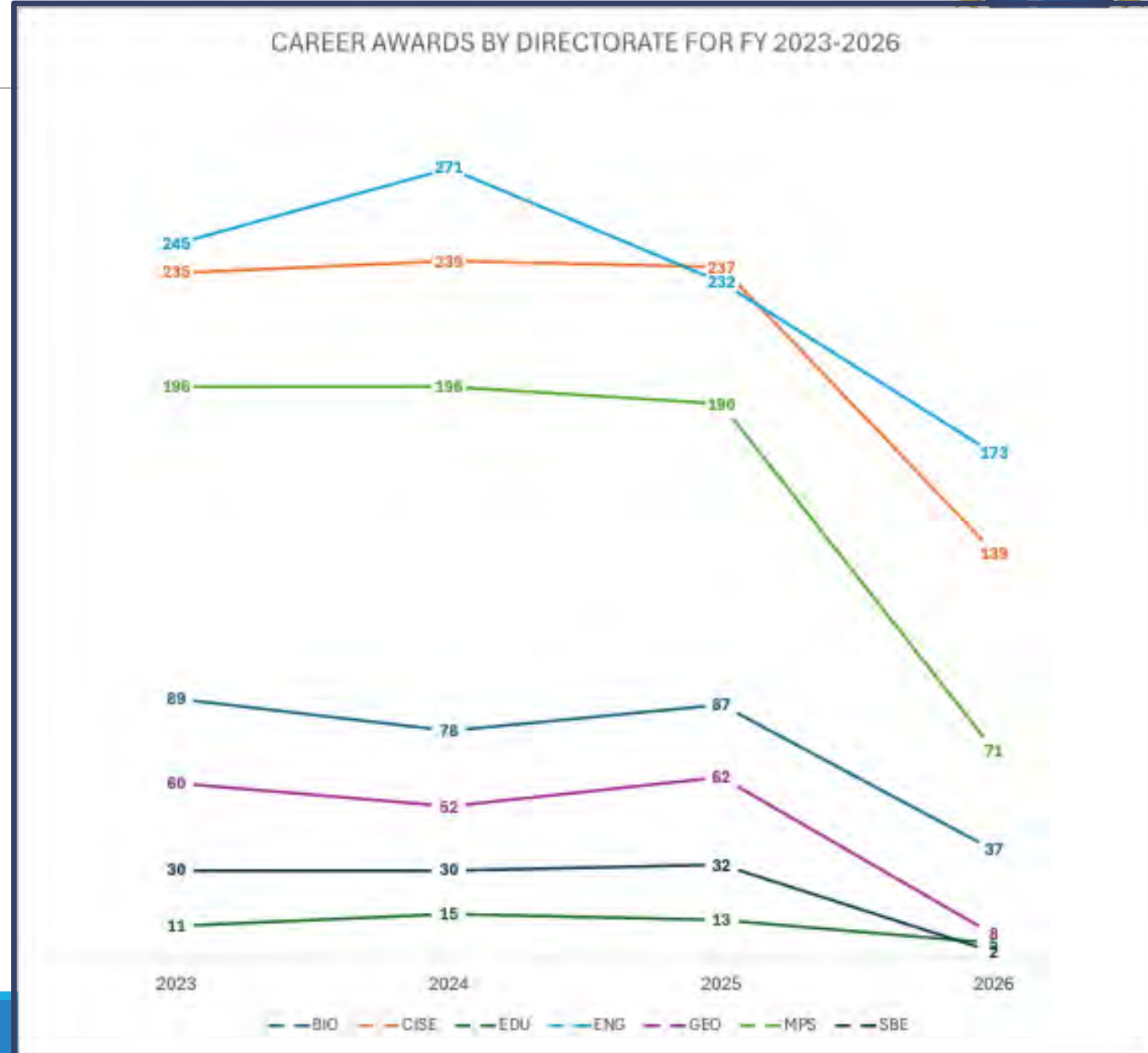
This event will take place online.

[Register for Zoom webinar.](#)

What Directorates/Divisions Award CAREERs?



- Faculty Early Career Development Program (CAREER):
 - Variations across directorates in:
 - Number of Awards
 - Overall funding levels
 - Some variations in average size of awards
 - Appears to be a significant drop in CAREERs funded across directorates
 - Over 850 in FY 23, 24, & 25
 - Just 435 (so far) in FY 26
 - Variations across Divisions (programs & offices) – can be explored via award searches.
 - Following Tables CAREER funding FY 2023-2026, as of May 19, 2026



NSF's CAREER Funding FY 2023-2026

		CAREER Awards 2023 Fiscal Year (Oct. 2022-Sept. 2023)					CAREER Awards 2024 Fiscal Year (Oct. 2023-Sept. 2024)				
Directorate	Division or Office	Awards	% Total Awards	Total Funding	% Total Funding	Average of Award	Awards	% Total Awards	Total Funding	% Total Funding	Average of Award
Biological Sciences (BIO)	Biological Infrastructure (DBI)	9	1.0%	\$4,859,795	1.0%	\$539,977	3	0.3%	\$1,343,425	0.3%	\$447,808
	Environmental Biology (DEB)	24	2.8%	\$20,420,875	4.2%	\$850,870	24	2.7%	\$19,360,980	4.3%	\$806,708
	Integrative Organismal systems (IOS)	27	3.1%	\$26,768,611	5.5%	\$991,430	22	2.5%	\$17,635,483	3.9%	\$801,613
	Molecular and Cellular Biosciences (MCB)	29	3.3%	\$21,318,082	4.4%	\$735,106	29	3.3%	\$22,389,621	5.0%	\$772,056
	BIO Totals and Means	89	10.3%	\$73,367,363	15.0%	\$824,352	78	8.9%	\$60,729,509	13.5%	\$778,583
Computer & Information Science and Engineering (CISE)	Computing & Communication Foundations (CCF)	60	6.9%	\$30,767,349	6.3%	\$512,789	71	8.1%	\$31,615,138	7.0%	\$445,284
	Computer and Network Systems (CNS)	71	8.2%	\$35,109,451	7.2%	\$494,499	68	7.7%	\$26,767,808	6.0%	\$393,644
	Information and Intelligent Systems (IIS)	99	11.4%	\$50,776,795	10.4%	\$512,897	93	10.6%	\$43,448,345	9.7%	\$467,187
	Office of Advanced Cyberinfrastructure (OAC)	5	0.6%	\$2,264,898	0.5%	\$452,980	7	0.8%	\$3,194,983	0.7%	\$456,426
	CISE Totals and Means	235	27.1%	\$118,918,493	24.3%	\$506,036	239	27.1%	\$105,026,274	23.4%	\$439,440
STEM Education (EDU)	Graduate Education (DGE)	1	0.1%	\$521,999	0.1%	\$521,999	0	0.0%	\$0	0.0%	\$0
	Research on Learning in Formal/Informal Settings (DRL)	7	0.8%	\$6,542,298	1.3%	\$934,614	12	1.4%	\$10,325,174	2.3%	\$860,431
	Undergraduate Education (DUE)	3	0.3%	\$1,972,763	0.4%	\$657,588	3	0.3%	\$2,349,538	0.5%	\$783,179
	EDU Totals and Means	11	1.3%	\$9,037,060	1.8%	\$821,551	15	1.7%	\$12,674,712	2.8%	\$844,981
Engineering (ENG)	Chemical, Bioengineering, Environmental and Transport Systems (CBET)	87	10.0%	\$43,376,069	8.9%	\$498,576	103	11.7%	\$48,618,186	10.8%	\$472,021
	Civil, Mechanical and Manufacturing Innovation (CMMI)	90	10.4%	\$50,491,217	10.3%	\$561,014	86	9.8%	\$51,074,639	11.4%	\$593,891
	Electrical, Communications, and Cyber Systems (ECCS)	66	7.6%	\$33,280,061	6.8%	\$504,243	76	8.6%	\$38,301,328	8.5%	\$503,965
	Engineering Education and Centers (EEC)	2	0.2%	\$784,450	0.2%	\$392,225	6	0.7%	\$2,548,684	0.6%	\$424,781
	ENG Totals and Means	245	28.3%	\$127,931,797	26.1%	\$522,171	271	30.8%	\$140,542,837	31.3%	\$518,608
Geoscience (GEO)	Atmospheric and Geospace Sciences (GEO/AGS)	17	2.0%	\$11,217,236	2.3%	\$659,837	13	1.5%	\$8,143,198	1.8%	\$626,400
	Earth Sciences (GEO/EAR)	26	3.0%	\$16,972,419	3.5%	\$652,785	25	2.8%	\$14,205,633	3.2%	\$568,225
	Ocean Sciences (GEO/OCE)	10	1.2%	\$8,521,351	1.7%	\$852,135	11	1.2%	\$9,070,975	2.0%	\$824,634
	Polar Programs (GEO/OPP)	7	0.8%	\$4,854,769	1.0%	\$693,538	3	0.3%	\$2,436,282	0.5%	\$812,094
	GEO Totals and Means	60	6.9%	\$41,565,775	8.5%	\$692,763	52	5.9%	\$33,856,088	7.5%	\$651,079
Mathematical and Physical Sciences (MPS)	Astronomical Sciences (MPS/AST)	9	1.0%	\$5,404,346	1.1%	\$600,483	6	0.7%	\$3,247,810	0.7%	\$541,302
	Chemistry (MPS/CHE)	60	6.9%	\$40,027,383	8.2%	\$667,123	50	5.7%	\$31,277,320	7.0%	\$625,546
	Materials Research (MPS/DMR)	63	7.3%	\$33,731,422	6.9%	\$535,419	80	9.1%	\$32,114,035	7.2%	\$401,425
	Mathematical Sciences (MPS/DMS)	50	5.8%	\$14,649,244	3.0%	\$292,985	45	5.1%	\$9,781,449	2.2%	\$217,366
	Physics (MPS/PHY)	14	1.6%	\$8,129,948	1.7%	\$580,711	15	1.7%	\$5,704,488	1.3%	\$380,299
	MPS Totals and Means	196	22.6%	\$101,942,343	20.8%	\$520,114	196	22.2%	\$82,125,102	18.3%	\$419,006
Social, Behavioral and Economic Sciences (SBE)	Behavioral and Cognitive Sciences (SBE/BCS)	17	2.0%	\$10,536,734	2.2%	\$619,808	17	1.9%	\$9,047,116	2.0%	\$532,183
	Social and Economic Sciences (SBE/SES)	13	1.5%	\$6,318,535	1.3%	\$486,041	13	1.5%	\$4,492,679	1.0%	\$345,591
	SBE Totals and Means	30	3.5%	\$16,855,269	3.4%	\$561,842	30	3.4%	\$13,539,795	3.0%	\$451,327
	Grand Totals and Means	886	100.0%	\$489,618,100	100.0%	\$565,379	881	100.0%	\$448,494,317	100.0%	\$509,074

NSF's CAREER Funding FY 2023-2026

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Directorate	Division or Office	Awards	% Total Awards	Total Funding	% Total Funding	Average of Award	Awards	% Total Awards	Total Funding	% Total Funding	Average of Award
Biological Sciences (BIO)	Biological Infrastructure (DBI)	9	1.1%	\$3,426,606	0.8%	\$380,734	0	0.0%	\$0	0.0%	\$0
	Environmental Biology (DEB)	18	2.1%	\$16,322,948	4.0%	\$906,830	18	4.14%	\$16,961,917	7.9%	\$942,329
	Integrative Organismal systems (IOS)	32	3.8%	\$20,651,254	5.0%	\$645,352	4	0.92%	\$2,324,785	1.1%	\$581,196
	Molecular and Cellular Biosciences (MCB)	28	3.3%	\$18,904,757	4.6%	\$675,170	15	3.45%	\$12,363,752	5.7%	\$824,250
	BIO Totals and Means	87	10.2%	\$59,305,565	14.5%	\$681,673	37	8.51%	\$31,650,454	14.7%	\$855,418
Computer & Information Science and Engineering (CISE)	Computing & Communication Foundations (CCF)	52	6.1%	\$16,608,888	4.1%	\$319,402	22	5.06%	\$7,591,436	3.5%	\$345,065
	Computer and Network Systems (CNS)	66	7.7%	\$24,387,615	5.9%	\$369,509	29	6.67%	\$11,572,752	5.4%	\$399,060
	Information and Intelligent Systems (IIS)	105	12.3%	\$41,283,362	10.1%	\$393,175	86	19.77%	\$31,492,667	14.6%	\$366,194
	Office of Advanced Cyberinfrastructure (OAC)	14	1.6%	\$6,994,001	1.7%	\$499,572	2	0.46%	\$907,859	0.4%	\$453,930
	CISE Totals and Means	237	27.8%	\$89,273,866	21.8%	\$376,683	139	31.95%	\$51,564,714	23.9%	\$370,969
STEM Education (EDU)	Graduate Education (DGE)	0	0.0%	\$0	0.0%	\$0	1	0.23%	\$283,843	0.1%	\$283,843
	Research on Learning in Formal/informal Settings (DRL)	11	1.3%	\$10,562,750	2.6%	\$960,250	1	0.23%	\$216,181	0.1%	\$216,181
	Undergraduate Education (DUE)	2	0.2%	\$2,150,477	0.5%	\$1,075,239	3	0.69%	\$2,180,334	1.0%	\$726,778
	EDU Totals and Means	13	1.5%	\$12,713,227	3.1%	\$977,941	5	1.15%	\$2,680,358	1.2%	\$536,072
Engineering (ENG)	Chemical, Bioengineering, Environmental and Transport Systems (CBET)	91	10.7%	\$46,888,607	11.4%	\$515,259	64	14.71%	\$34,271,197	15.9%	\$535,487
	Civil, Mechanical and Manufacturing Innovation (CMMI)	87	10.2%	\$49,902,624	12.2%	\$573,593	53	12.18%	\$29,081,828	13.5%	\$548,714
	Electrical, Communications, and Cyber Systems (ECCS)	44	5.2%	\$22,011,038	5.4%	\$500,251	54	12.41%	\$29,515,406	13.7%	\$546,582
	Engineering Education and Centers (EEC)	10	1.2%	\$4,626,038	1.1%	\$462,604	2	0.46%	\$1,149,752	0.5%	\$574,876
	ENG Totals and Means	232	27.2%	\$123,428,307	30.1%	\$532,019	173	39.77%	\$94,018,183	43.6%	\$543,458
Geoscience (GEO)	Atmospheric and Geospace Sciences (GEO/AGS)	18	2.1%	\$9,172,600	2.2%	\$509,589	2	0.46%	\$817,142	0.4%	\$408,571
	Earth Sciences (GEO/EAR)	24	2.8%	\$13,376,413	3.3%	\$557,351	2	0.46%	\$529,174	0.2%	\$264,587
	Ocean Sciences (GEO/OCE)	12	1.4%	\$8,374,675	2.0%	\$697,890	2	0.46%	\$1,116,392	0.5%	\$558,196
	Polar Programs (GEO/OPP)	8	0.9%	\$5,740,700	1.4%	\$717,588	2	0.46%	\$1,792,028	0.8%	\$896,014
	GEO Totals and Means	62	7.3%	\$36,664,388	8.9%	\$591,361	8	1.84%	\$4,254,736	2.0%	\$531,842
Mathematical and Physical Sciences (MPS)	Astronomical Sciences (MPS/AST)	10	1.2%	\$4,943,032	1.2%	\$494,303	3	0.69%	\$1,609,338	0.7%	\$536,446
	Chemistry (MPS/CHE)	50	5.9%	\$32,433,441	7.9%	\$648,669	18	4.14%	\$12,489,948	5.8%	\$693,886
	Materials Research (MPS/DMR)	61	7.2%	\$20,650,893	5.0%	\$338,539	27	6.21%	\$10,120,145	4.7%	\$374,820
	Mathematical Sciences (MPS/DMS)	47	5.5%	\$8,118,479	2.0%	\$172,734	13	2.99%	\$2,267,628	1.1%	\$174,433
	Physics (MPS/PHY)	22	2.6%	\$9,941,410	2.4%	\$451,882	10	2.30%	\$4,339,735	2.0%	\$433,974
	MPS Totals and Means	190	22.3%	\$76,087,255	18.6%	\$400,459	71	16.32%	\$30,826,794	14.3%	\$434,180
Social, Behavioral and Economic Sciences (SBE)	Behavioral and Cognitive Sciences (SBE/BCS)	22	2.6%	\$9,211,448	2.2%	\$418,702	1	0.23%	\$659,257	0.3%	\$659,257
	Social and Economic Sciences (SBE/SES)	10	1.2%	\$3,311,698	0.8%	\$331,170	1	0.23%	\$184,591	0.1%	\$184,591
	SBE Totals and Means	32	3.8%	\$12,523,146	3.1%	\$391,348	2	0.46%	\$843,848	0.4%	\$421,924
	Grand Totals and Means	853	100.0%	\$409,995,754	100.0%	\$480,652	435	100.00%	\$215,839,087	100.0%	\$496,182



Special Solicitations: Come in all shapes and forms

◦ **Special Solicitations:**

- Special programs or initiatives for kinds of proposals, targeting special areas of science/engineering;
 - often interdisciplinary.
- May have additional review criteria, in addition to Intellectual Merit and Broader Impacts.
- May have special requirements, deadlines, letter of intent requests, etc.
- NSF wide, Cross-directorate, Intra-directorate (within or cross divisions), etc.
- Some last for only a single year while others may last for multiple years
- Funding could be multi-year with or without contingencies.
- Single or multi-staged processes/programs
- Single university, multi-university but from one university, or multi-university collaboratives
- Restrictions on how many a university can submit
- **How do you find out about these – sign up for Dear Colleague letters (DCLs).**
 - Smart and Connected Communities, Strengthening American Infrastructure, etc.
- **I suspect these will probably be limited and focused for the next few years**



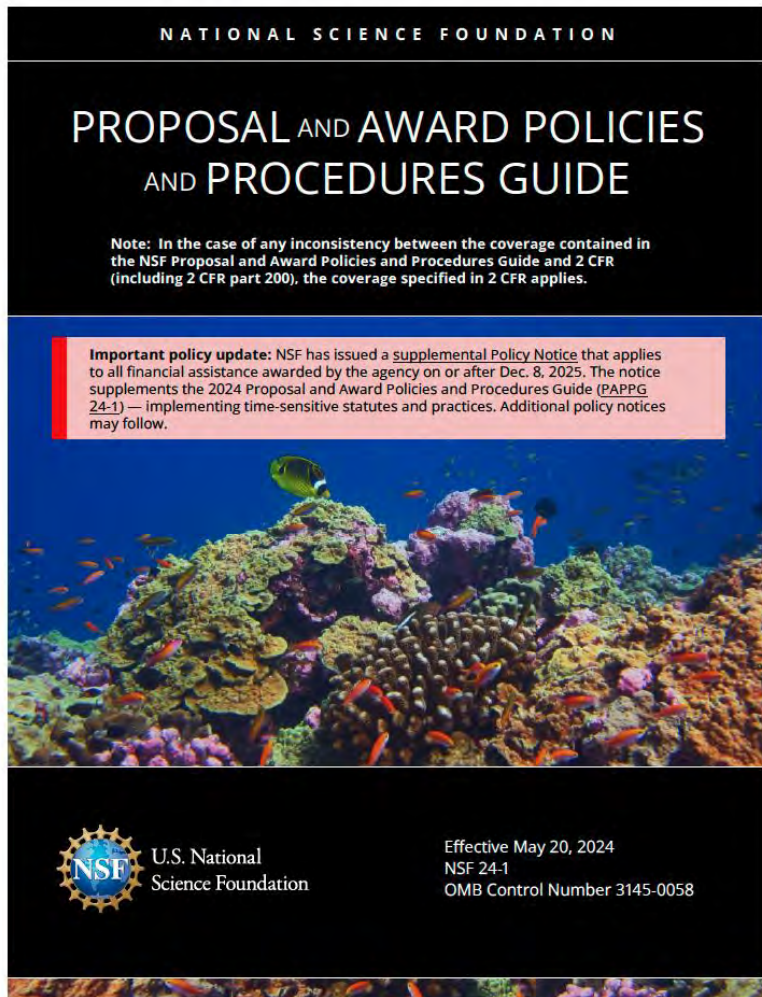
Award Supplements...

- REU supplement: up to two students in one year; if two, one must be from an underrepresented group; \$8,000 to \$10,000 per student
- RET supplement: Research for K-14 educators. \$15,000 per year. Engineering and CISE.
- CAREER-Life Balance supplement: Supplements to help ensure research continuity during life challenging periods. Generally, for graduate student support, \$30,000K.
- **Award supplement**: Up to 20% of the original award can be recommended without external review (if you can make your case with the PO)
- **Interagency agreements/supplements**: Used to expand or enhance research into other areas of interest to another government agency. Can be in excess of 20% of the original award can be recommended without external review (if external agency agrees and you can make your case with the PO).



Ready to write that proposal?

- *This is the bible for proposals, policies and procedures. Known affectionally as PAPPG*
- <https://www.nsf.gov/policies/pappg/24-1>



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The *Proposal and Award Policies and Procedures Guide* (PAPPG) is the source for information about the proposal and award process at the U.S. National Science Foundation.

Each version of the PAPPG applies to all proposals or applications submitted while that version is effective.

Policy changes to PAPPG 24-1

Related links

- [Additional Proposal and Award Policies and Procedures](#)
- [Award Conditions](#)
- [NSF Grants.gov Application Guide](#)



You need NSF and NSF needs you... think about stepping up and writing your senators and representatives.

- 1) Write your congressional representatives and senators
- 2) **Volunteering to serve on panels and do ad hoc reviews.**
- 3) In the future consider joining NSF:
 - Intergovernmental Personnel Act (IPA/Rotator)
 - Visiting Scientist, Engineer and Educator Program
 - Permanent Positions
 - <https://www.nsf.gov/careers/>

