

FALL 2021 VIRTUAL GRANTS CONFERENCE

October 4-8, 2021 | nspolicyoutreach.com/fall-21-virtual-conf

Introduction and Overview



Topics Covered

- Origins of NSF
- NSF Organization
- NSF Budget in the Federal Context
- NSF Fiscal Year 2022 Budget
- Funding Trends
- Key Documents
- Questions



“Ask Early, Ask Often!”

NSF Mission and Vision



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

A Nation that is the global leader in research and innovation.

NSF in a Nutshell

- Independent Agency
- Supports basic research & education
- Uses grant mechanism
- Low overhead; highly automated
- Discipline-based structure
- Cross-disciplinary mechanisms
- Use of Rotators/IPAs
- National Science Board



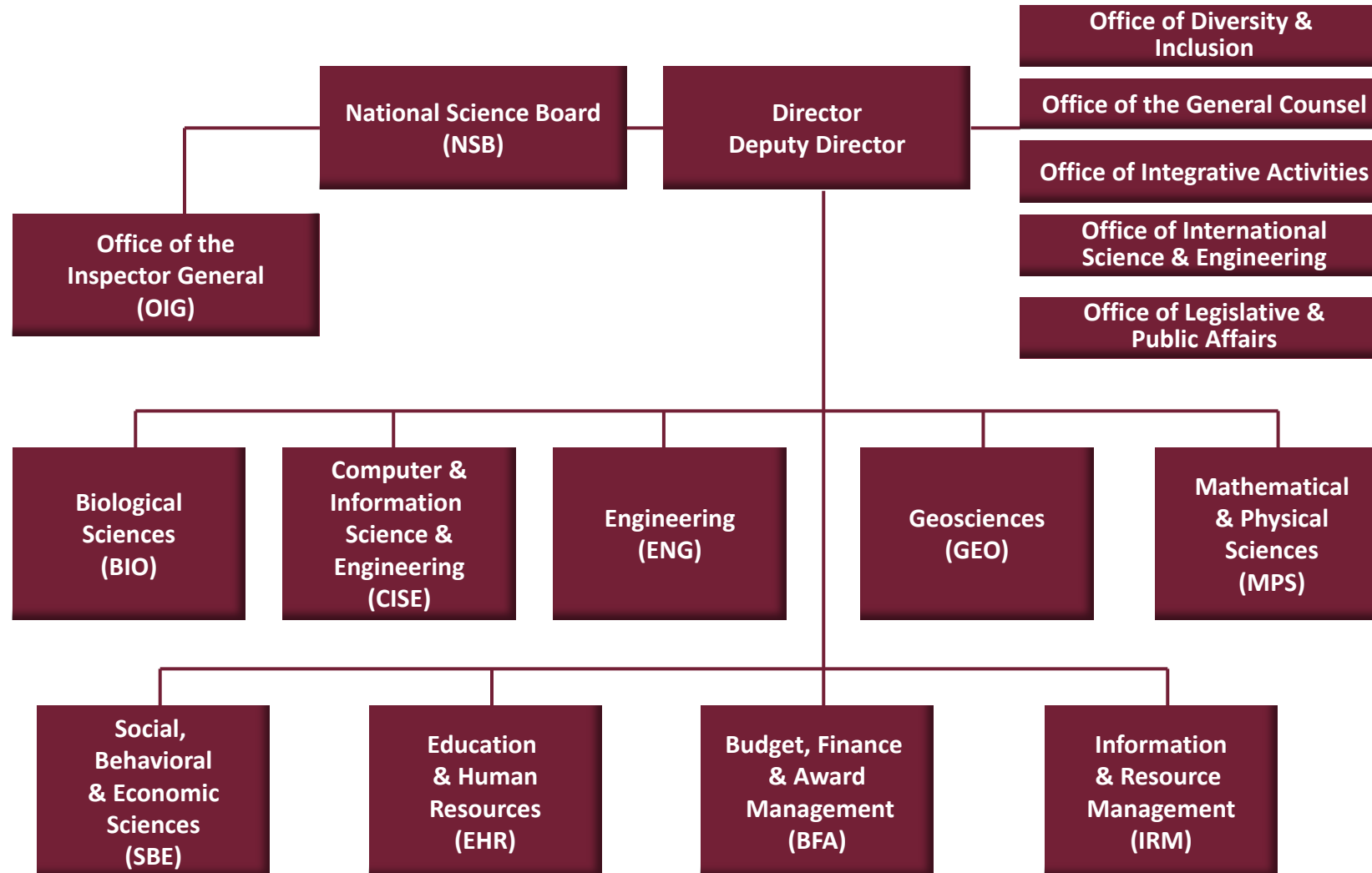
Supporting Basic Research

Basic research results in general knowledge and an understanding of nature and its laws. This general knowledge provides the means of answering a large number of important practical problems.

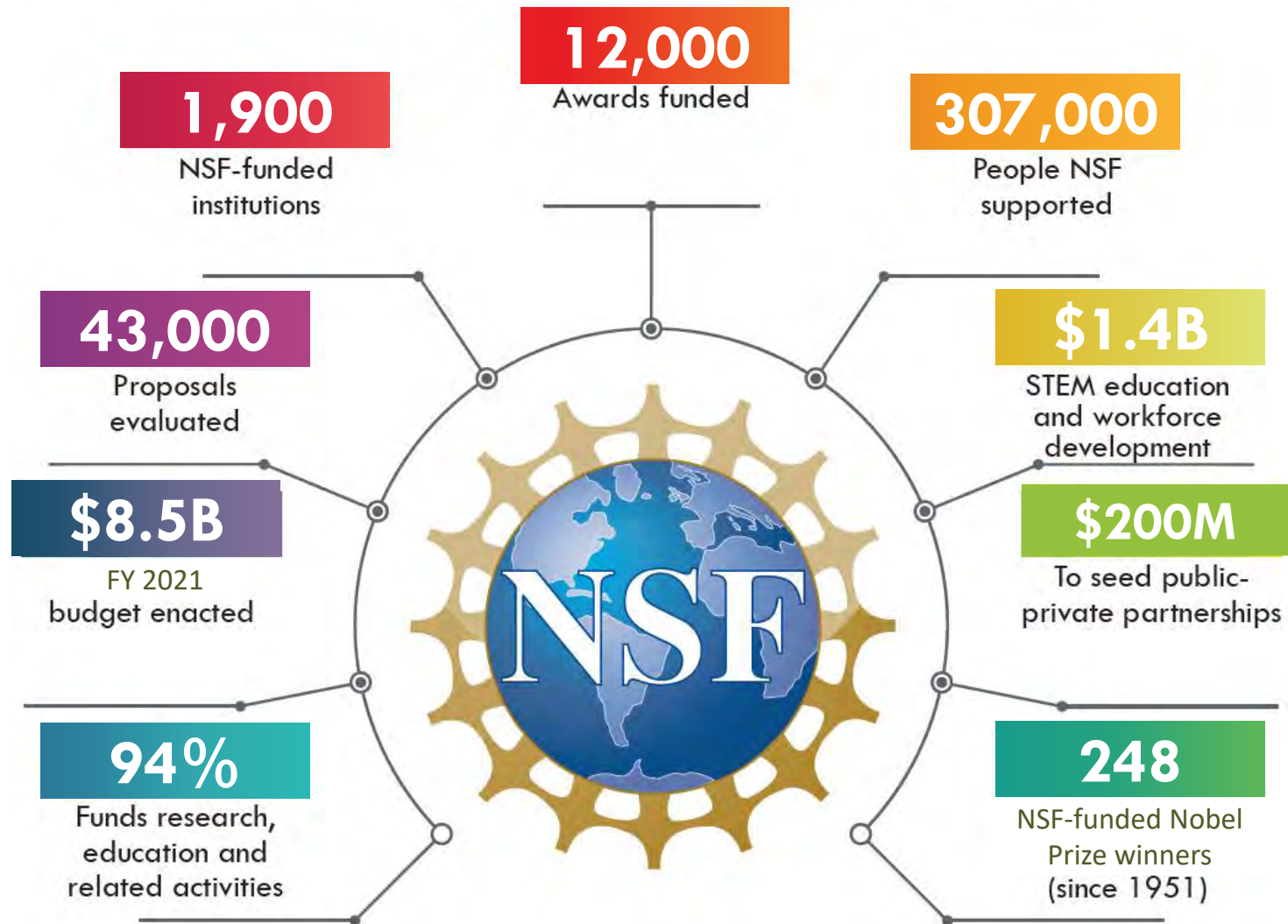
- Vannevar Bush



How NSF is Organized

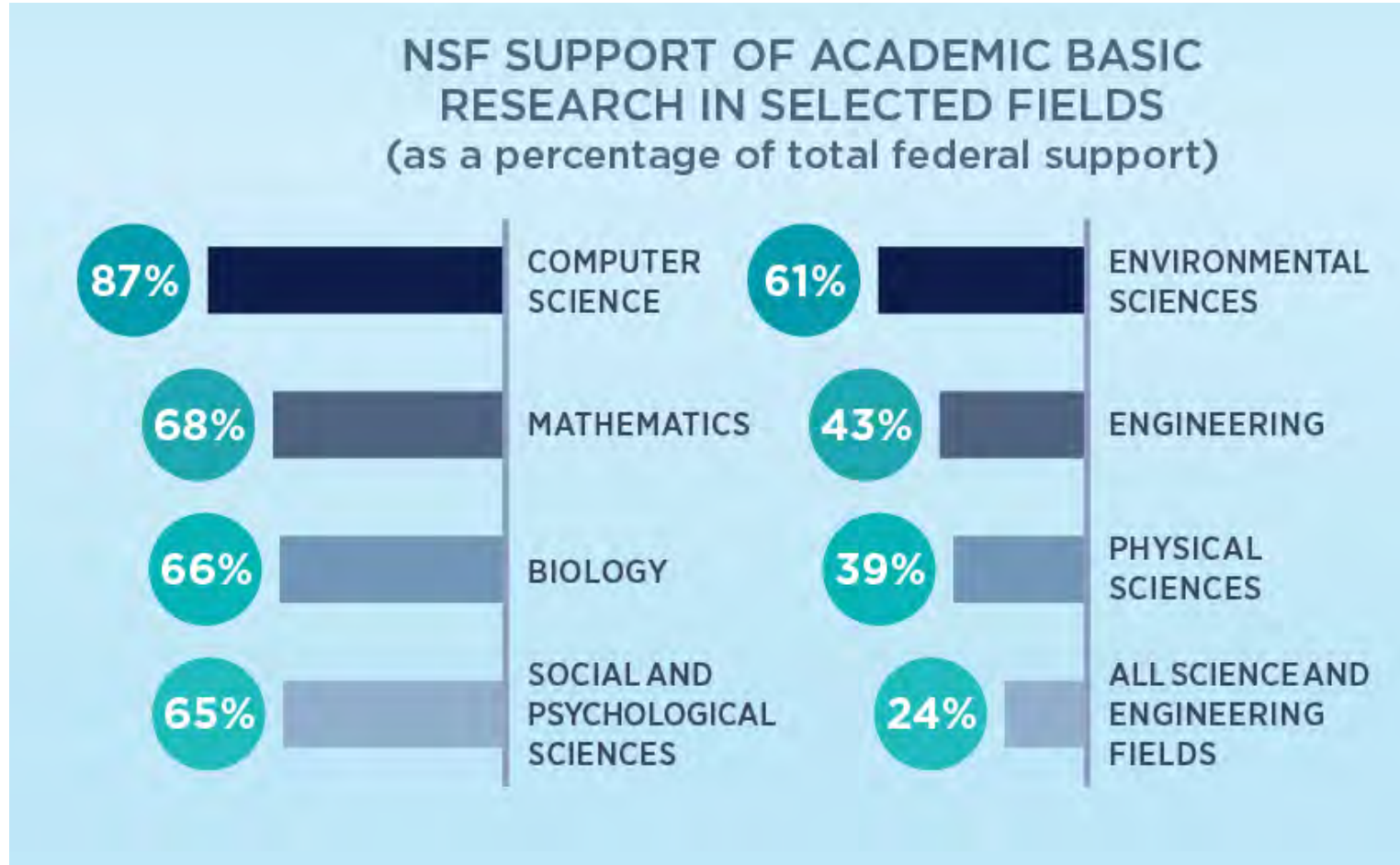


NSF by the Numbers



* Except where indicated, numbers shown are based on FY 2020 activities, the last full year of data.

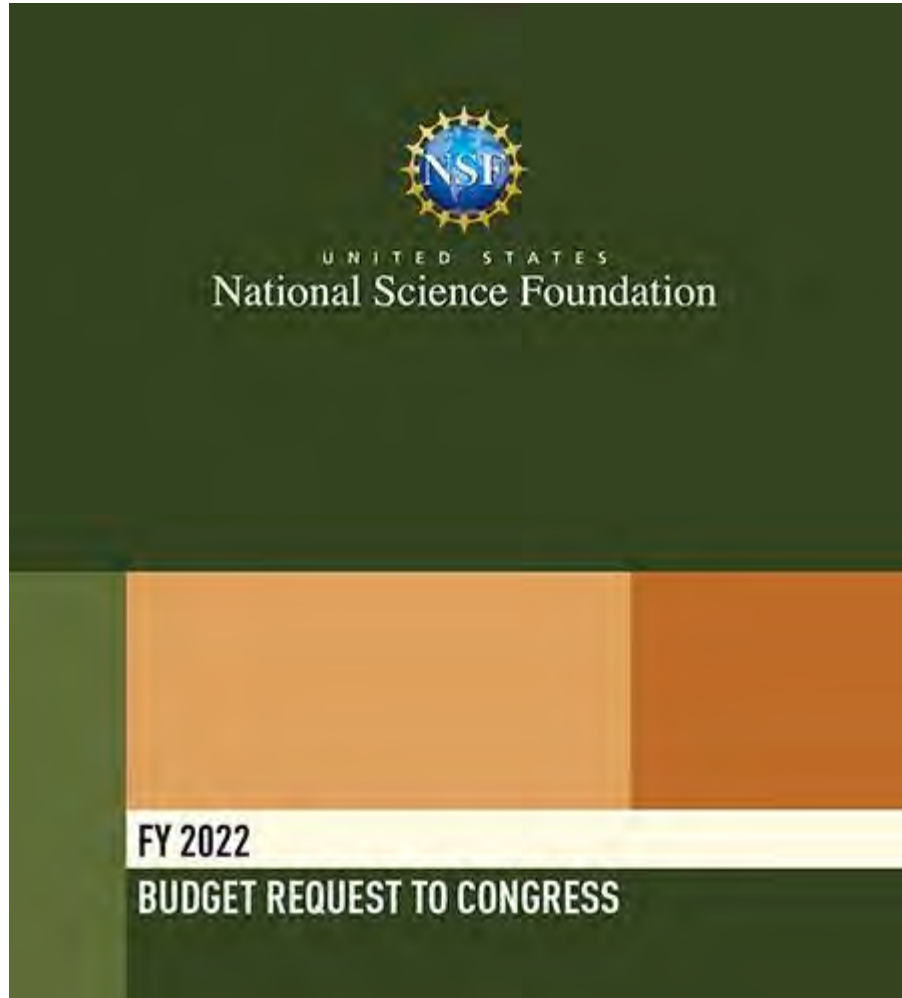
NSF Support of Academic Basic Research in Selected Fields



Note: Biology includes Biological Science and Environmental Biology. Biology and Psychological Sciences exclude National Institutes of Health funding from the total amount of federal support.

Source: NSF/National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FY 2019

Total NSF Request



**NSF FY 2022
Budget Request
Total: \$10.169
billion**

FY 2022 Budget Request

NSF Budget by Appropriation (\$ in Millions)	FY 2020 Actuals	FY 2021 Plan	FY 2022 Request
Research & Related Activities	\$6,887	\$7,022	\$8,140
Education & Human Resources	\$800	\$826	\$1,287
Major Research Equipment & Facilities Construction	\$155	\$241	\$249
Agency Operations & Award Management	\$348	\$375	\$468
Office of Inspector General	\$16	\$18	\$20
Office of the National Science Board	\$4	\$4	\$5
Total NSF	\$8,210	\$8,487	\$10,169

**Totals may not add due to rounding.
For comparability, FY 2020 and FY 2021 have been restated to reflect the consolidation of the Graduate Research Fellowship Program into RRA in FY 2022*

What to Watch

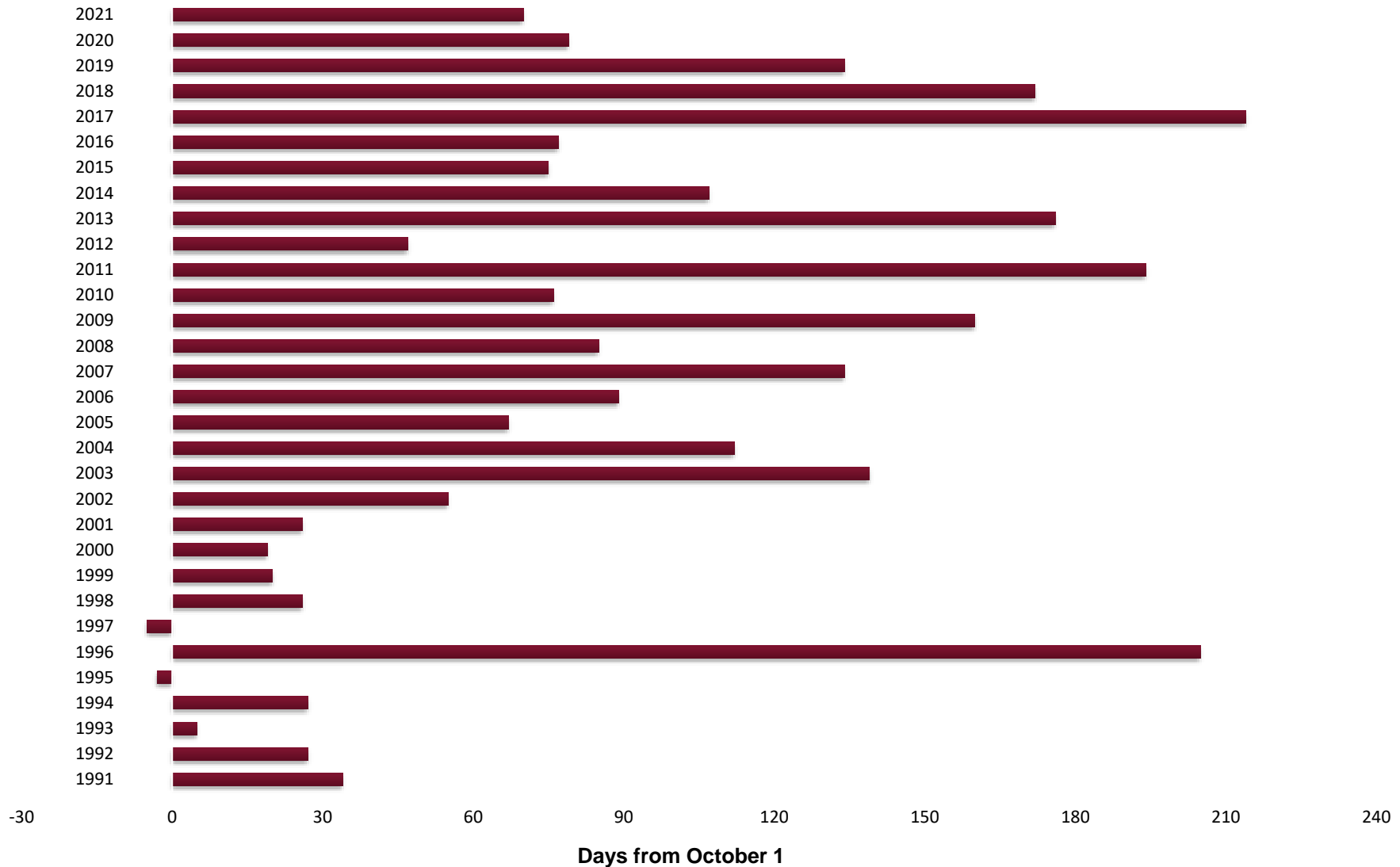
Congressional action on FY 2022 Appropriations

- Awaiting start of FY 2022 on October 1, 2021, and an accompanying appropriation.
- Congress is working through a number of authorization and supplemental appropriations bill that *may* provide substantial funding increases to NSF.
- These include the NSF of the Future Act, which reauthorizes NSF through 2026. <https://www.aip.org/fyi/federal-science-bill-tracker/117th/nsf-future-act>



Appropriations Drift - 1991 to 2021

NSF Appropriations Dates Versus Start of Federal Fiscal Year Oct. 1



NSF Competitive Awards and Funding Rates

Figure 1.5. Number of NSF Competitive Proposals, New Awards and Funding Rates



New awards are a subset of competitive proposals.

NSF Award Portfolio – Responsible Stewardship

Over \$28 billion in total award funding

Over 54,000 active awards

- Standard and continuing grants
- Cooperative agreements
- Graduate research fellowships
- Other awards

Over 3,000 Awardees

- Universities / 4-year colleges
- Non-profit organizations
- Community colleges
- For-profit organizations

• Other awardees

NSF Oversight

- Pre- Award Reviews
- Program Monitoring
- Business Assistance
- Expenditure Reviews
- Audit Resolution

Key Documents

- [Proposal & Award Policies & Procedures Guide](#)
- [Fiscal Year 2022 Budget Request](#)
- [President's Fiscal Year 2022 Discretionary Budget Request](#)
- [NSF Strategic Plan for Fiscal Years 2018-2022 \(Update in Progress\)](#)
- [Report to the NSB on Merit Review](#)

For More Information

“Ask Early, Ask Often!”

- [nsf.gov/staff](https://www.nsf.gov/staff)
- [nsf.gov/staff/orglist.jsp](https://www.nsf.gov/staff/orglist.jsp)
- [nsf.gov/about/career_opps/rotators/index.jsp](https://www.nsf.gov/about/career_opps/rotators/index.jsp)

