

Fall 2017 Grants Conference

INTRODUCTION & NSF OVERVIEW



NOVEMBER 13 - 14, 2017, PHOENIX, AZ / NATIONAL SCIENCE FOUNDATION

Speaker

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Division Director (Acting)

Budget Division

Office of Budget, Finance & Award Management

Topics Covered

- Origins of NSF
- NSF Organization
- NSF Budget in the Federal Context
- NSF Fiscal Year 2018 Budget
- Funding Trends
- Key Documents
- Questions



“Ask Early, Ask Often!”

NSF Mission

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



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

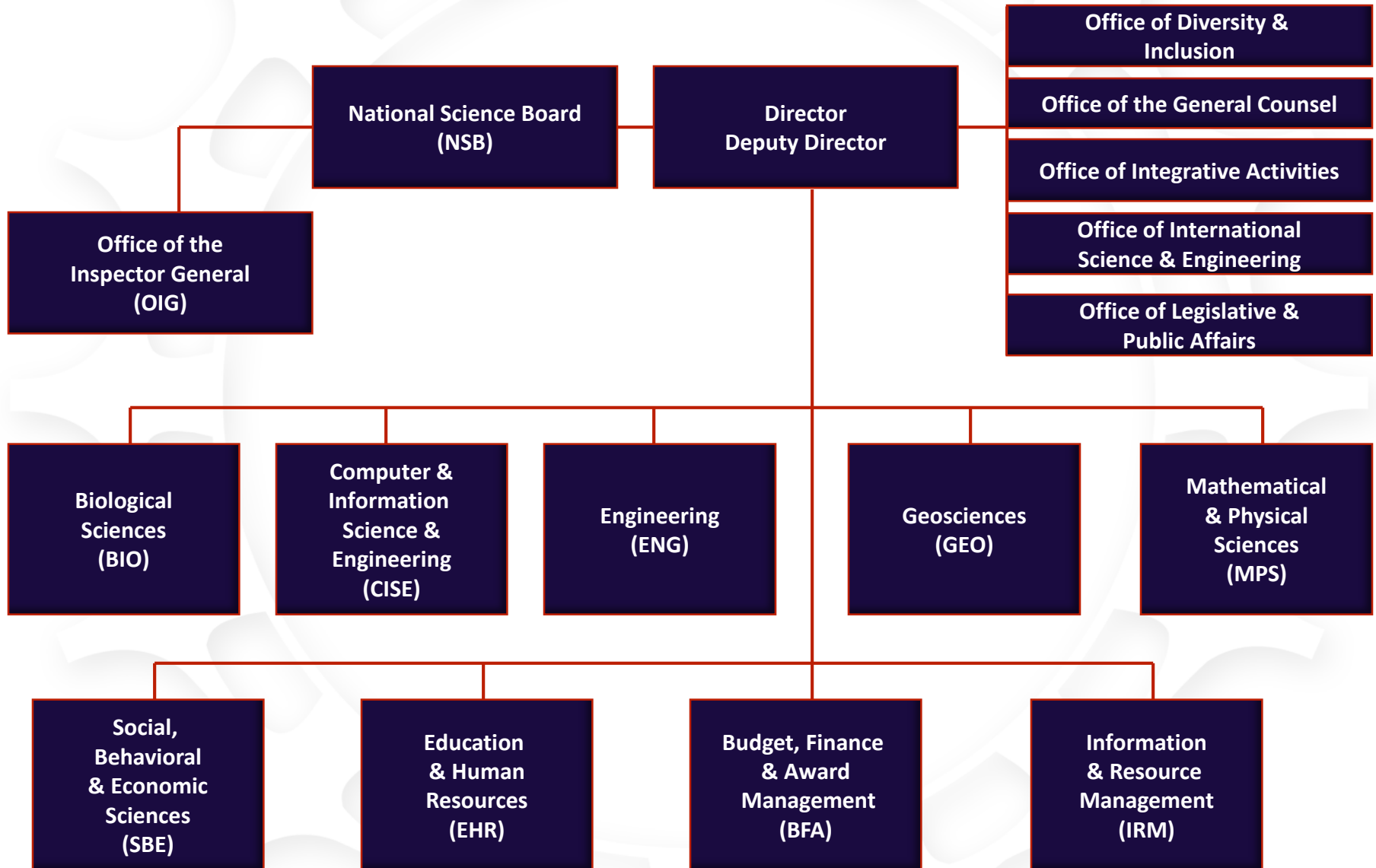
Basic research results in general knowledge and an understanding of nature and its laws.

This general knowledge provides the means of answering a large number of important practical problems.

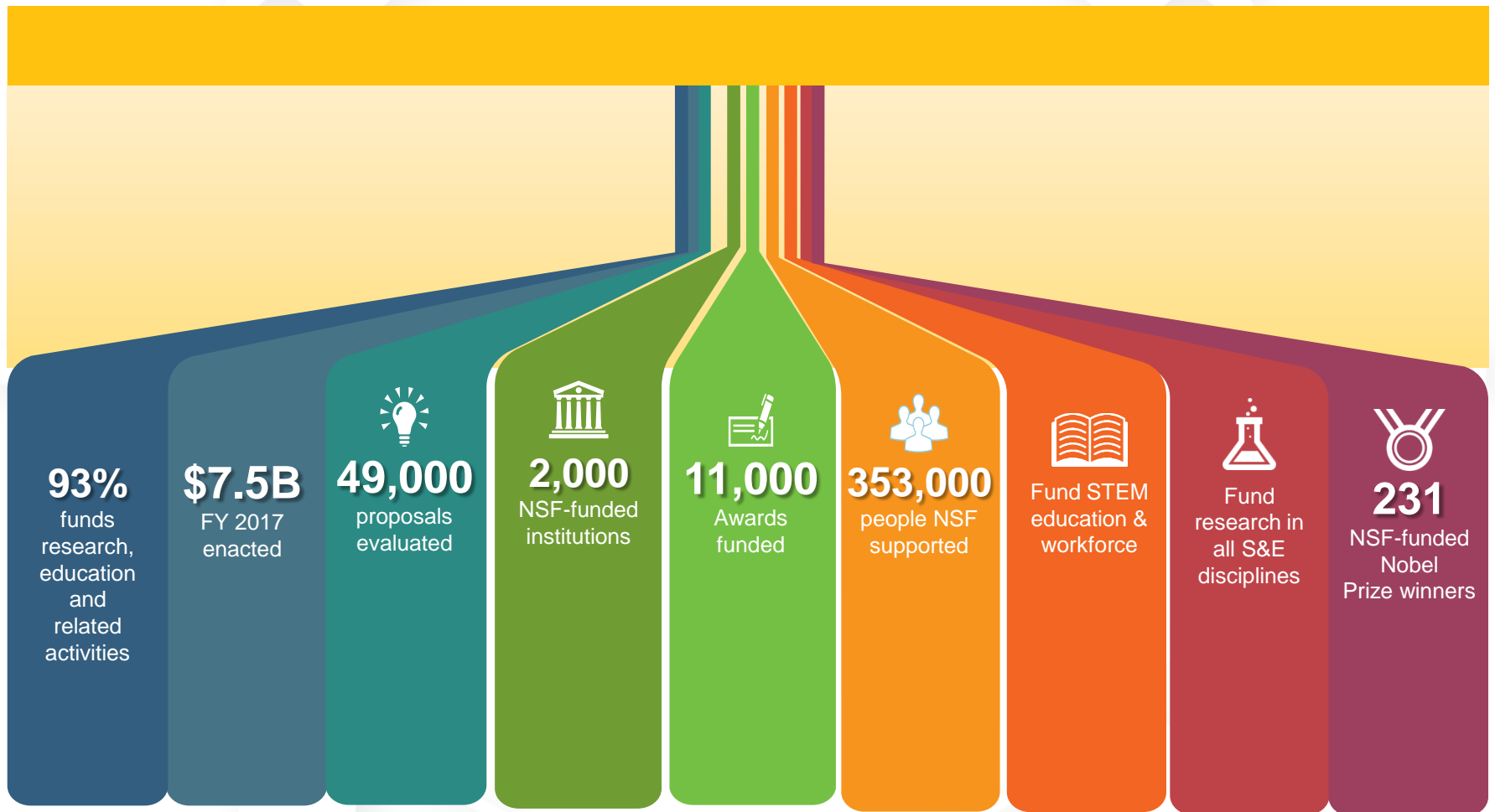
- Vannevar Bush



How NSF is Organized

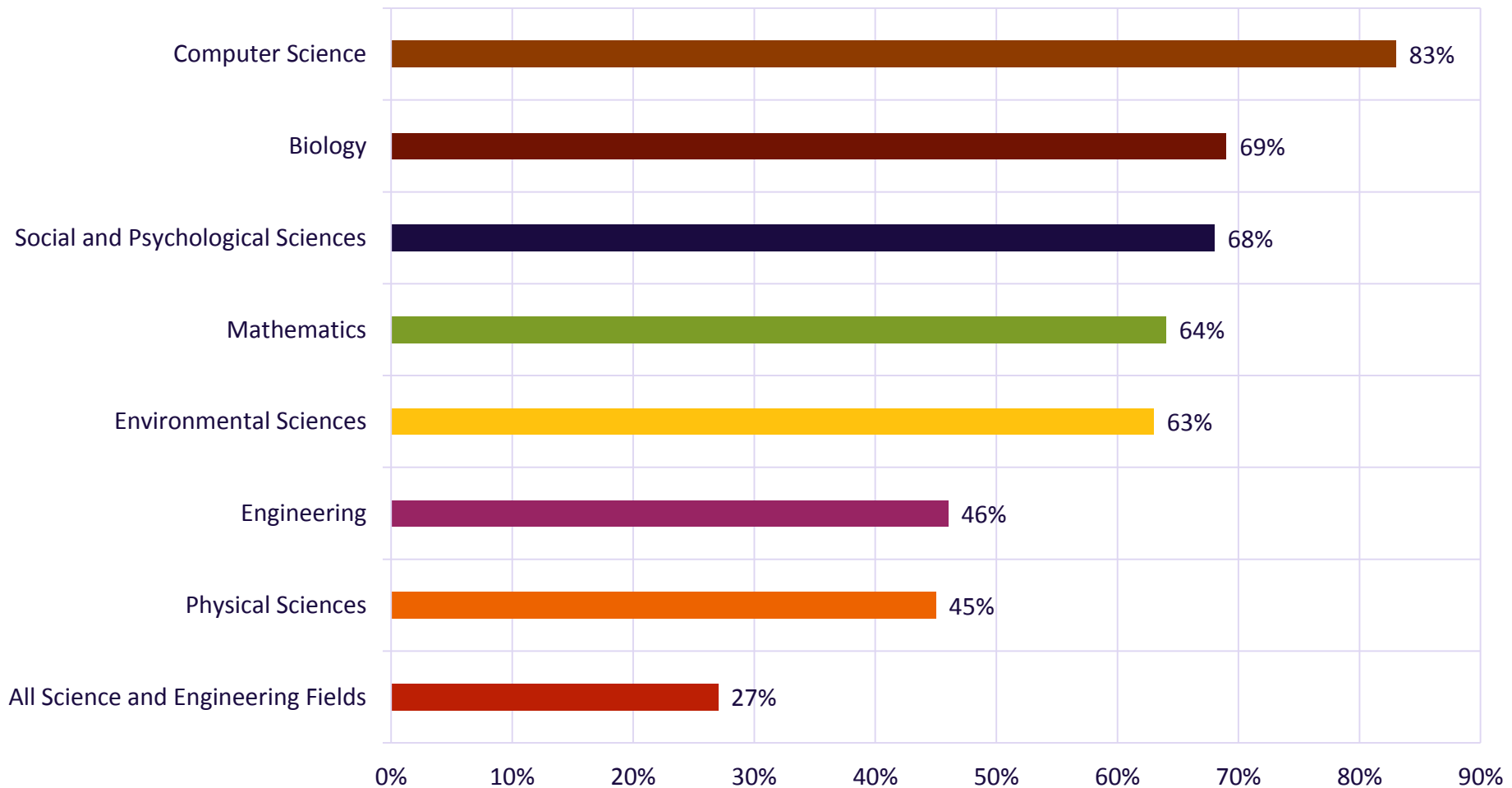


NSF by the Numbers



NSF Support of Academic Basic Research in Selected Fields

As a Percentage of Total Federal Support

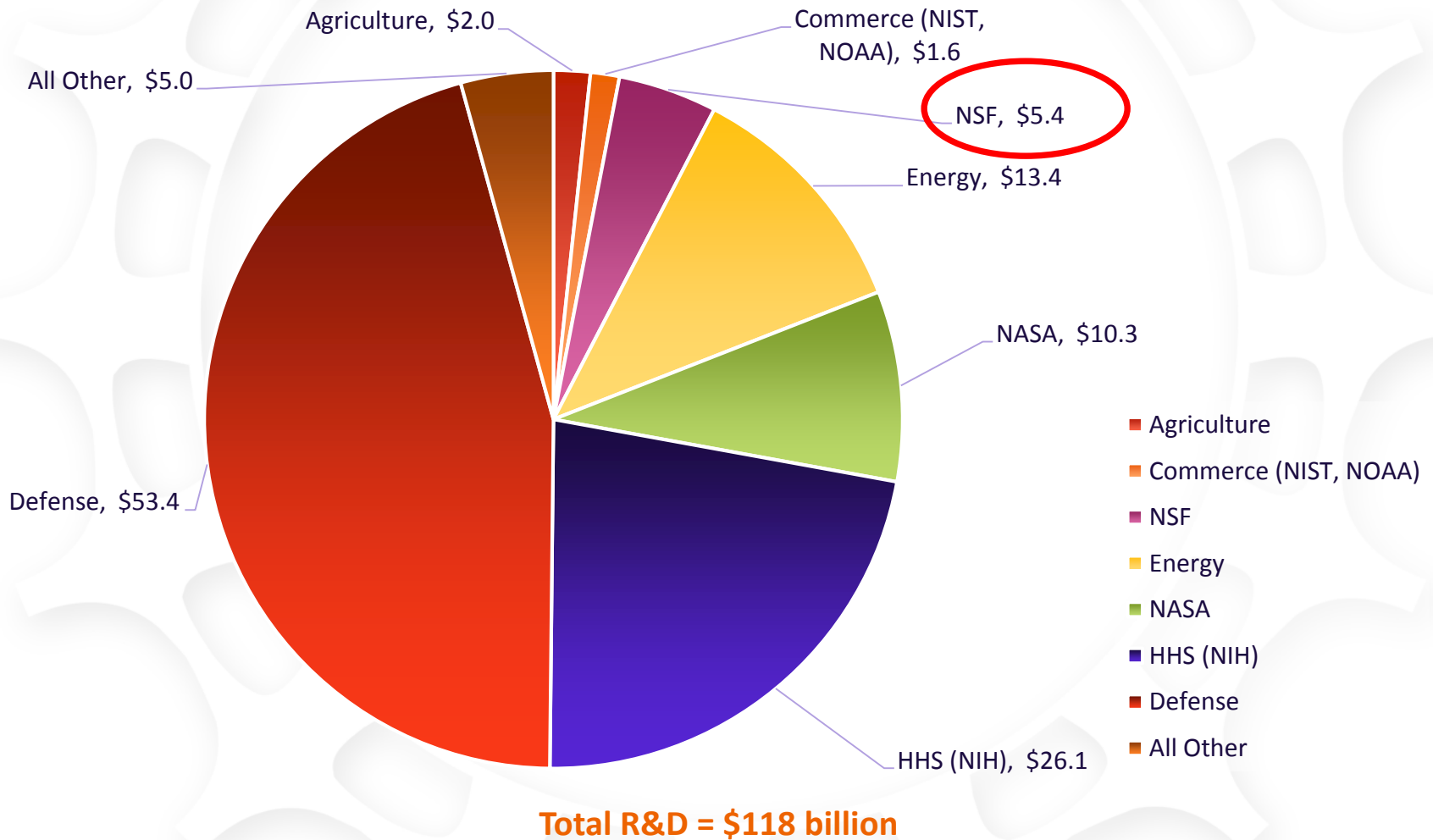


Note: Biology includes Biological Science and Environmental Science. Biology and Psychological Sciences exclude National Institutes of Health funding from the total amount of federal support.

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

FY 2018 Request: Total R&D by Agency

Budget Authority in Billions of Dollars



Total NSF Request



NSF FY 2018 Budget Request

Total: \$6.65 billion

FY 2018 Budget Request

NSF Budget by Appropriation (\$ in Millions)

	FY 2018 Request	Change over FY 2017 Enacted	
		Amount	Percent
Research & Related Activities	\$5,362	-\$672	-11%
Education & Human Resources	\$761	-\$119	-14%
Major Research Equipment & Facilities Construction	\$183	-\$26	-13%
Agency Operations & Award Management	\$329	-\$1	*
National Science Board	\$4	-	-
Office of Inspector General	\$15	*	-1%
Total NSF	\$6,653	-\$819	-11%

Totals may not add due to rounding.

* denotes <\$50,000 or <1%

FY 2018 Budget Request

NSF Budget by Appropriation (\$ in Millions)

	FY 2017 Enacted	FY 2018 Request	FY 2018 House	FY 2018 Senate
Research & Related Activities	\$6,034	\$5,362	\$6,034	\$5,918
Education & Human Resources	\$880	\$761	\$880	\$862
Major Research Equipment & Facilities Construction	\$209	\$183	\$78	\$183
Agency Operations & Award Management	\$330	\$329	\$329	\$329
National Science Board	\$4	\$4	\$4	\$4
Office of Inspector General	\$15	\$15	\$15	\$15
Total NSF	\$7,472	\$6,653	\$7,340	\$7,311

Totals may not add due to rounding.

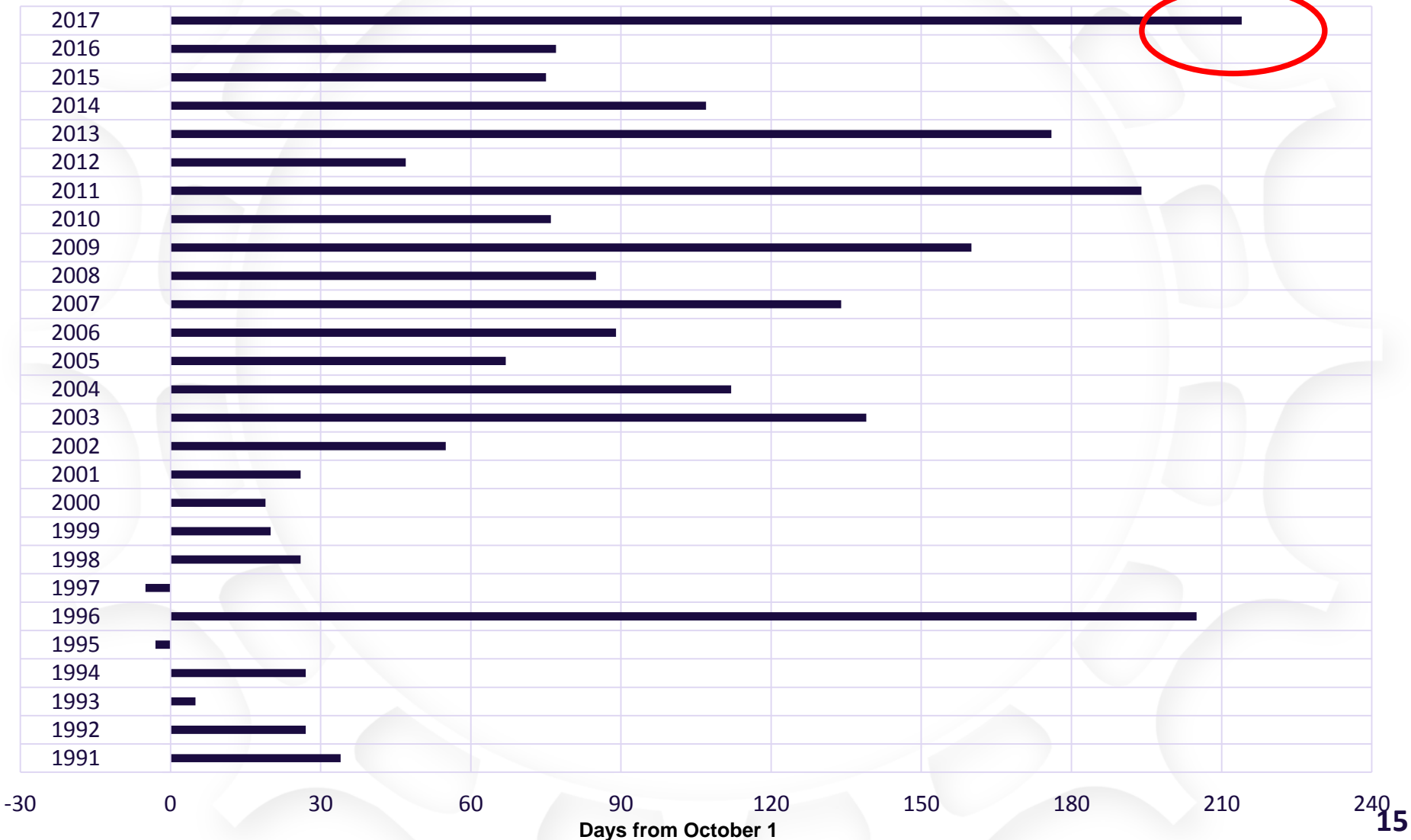
What to Watch

- FY 2018 Continuing Resolution through December 8, 2017
- FY 2018 House and Senate votes on Appropriations Bills
- FY 2019 OMB Budget submitted September 11, 2017
- FY 2019 President's Budget Request submitted to Congress February 2018



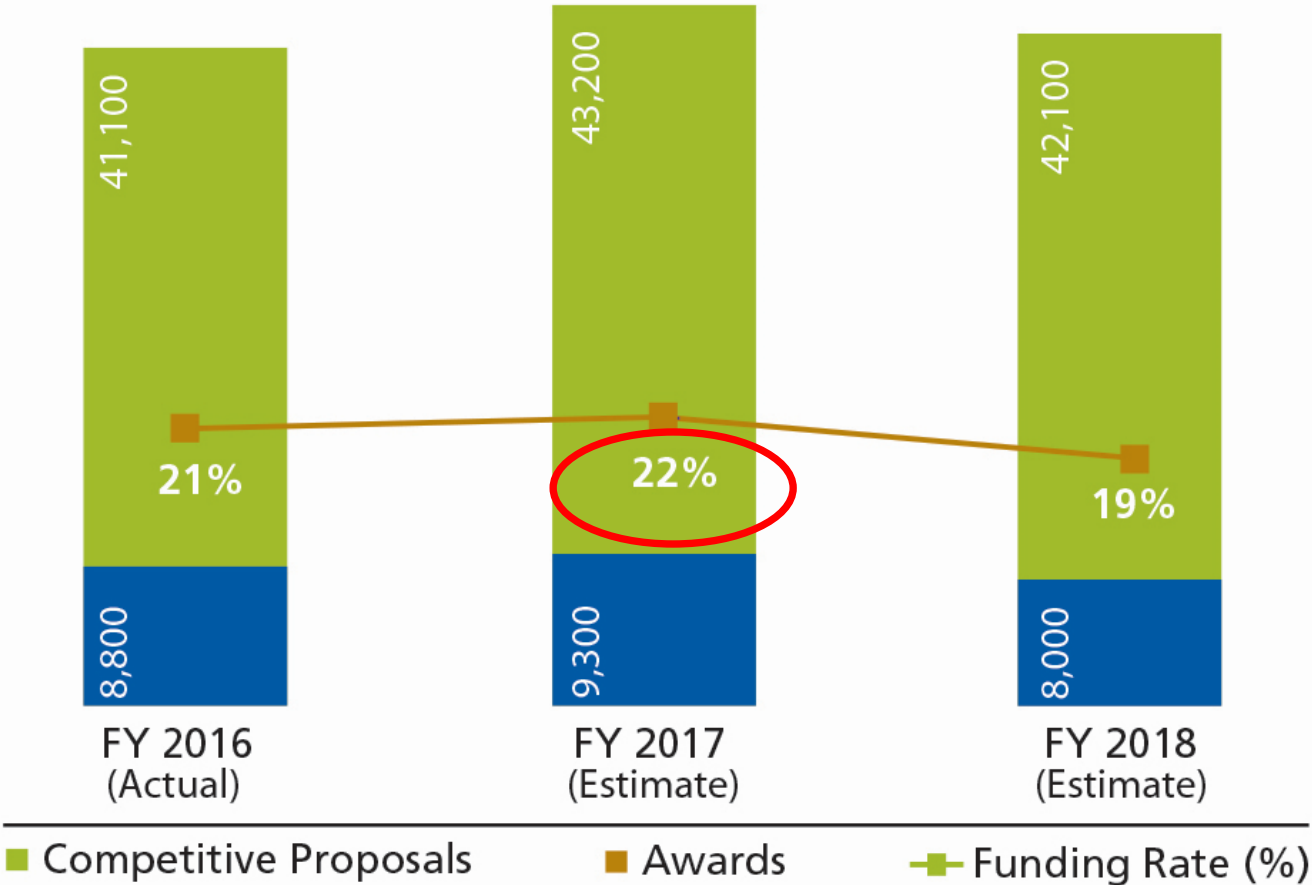
Appropriations Drift - 1991 to 2017

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

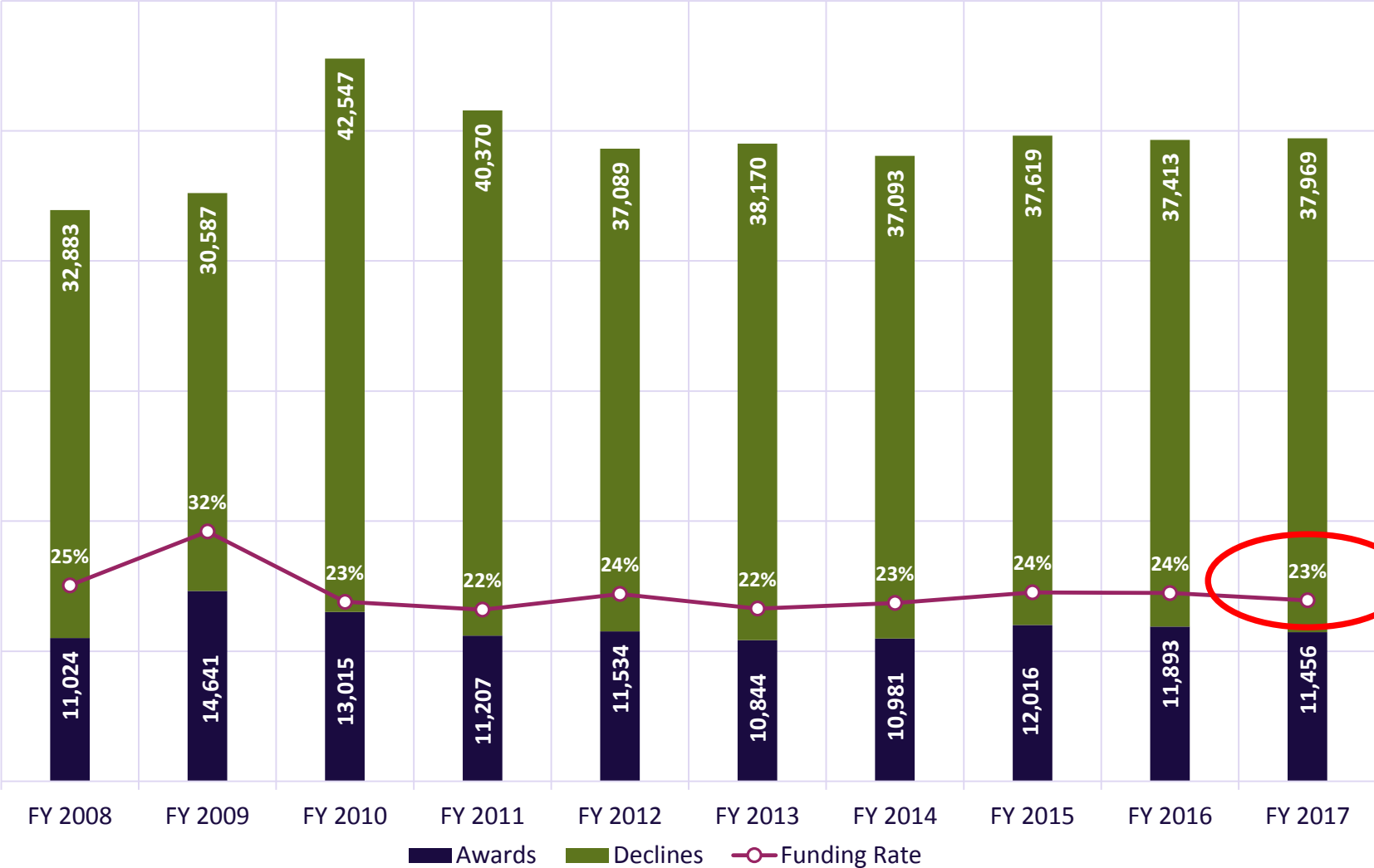


NSF Funding Profile, FY 2016 - 2018

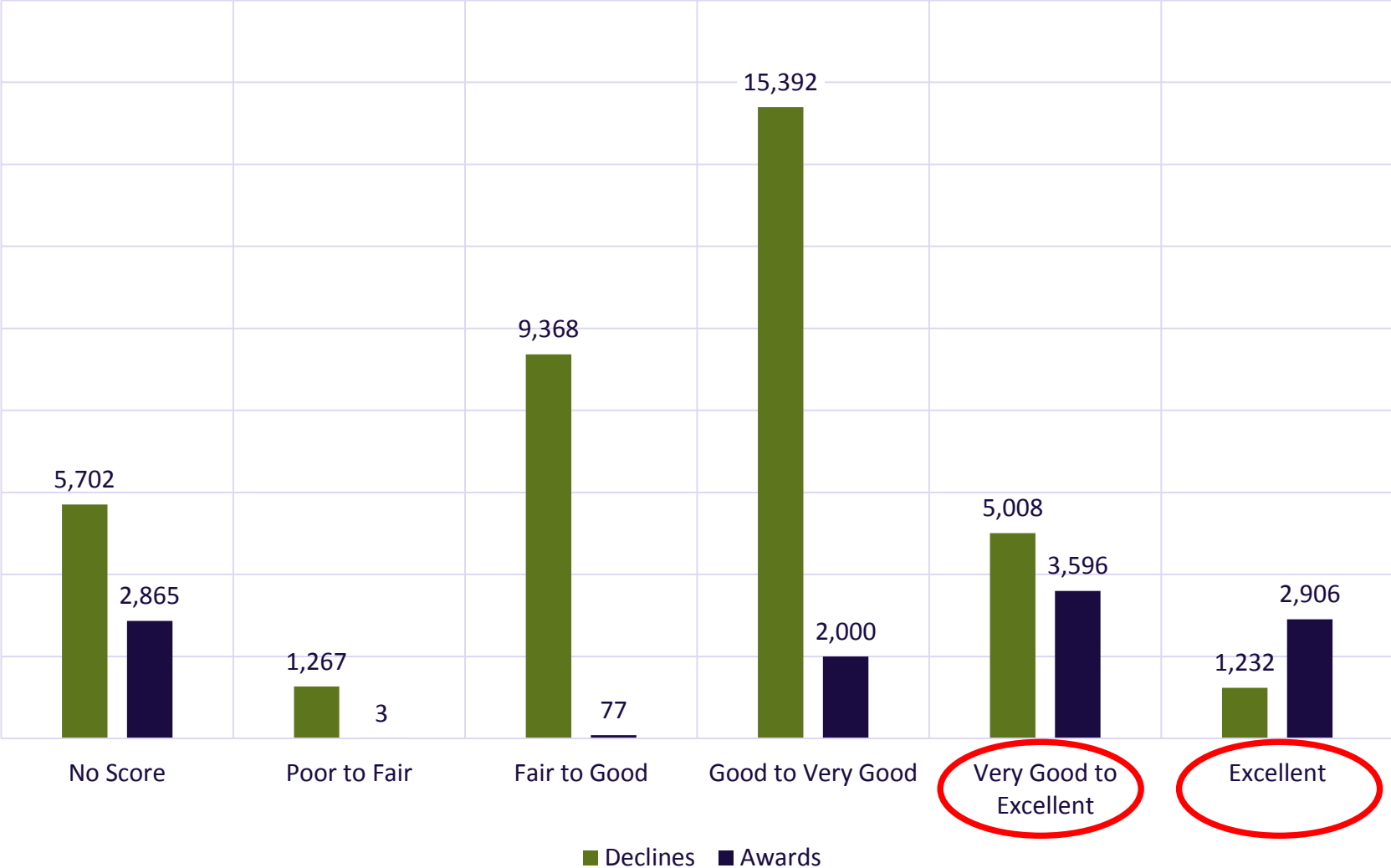
Research Grants Awards



NSF Competitive Awards, Declines & Funding Rates



Distribution by Average Reviewer Ratings



NSF Award Portfolio

Over \$27 billion in total award funding

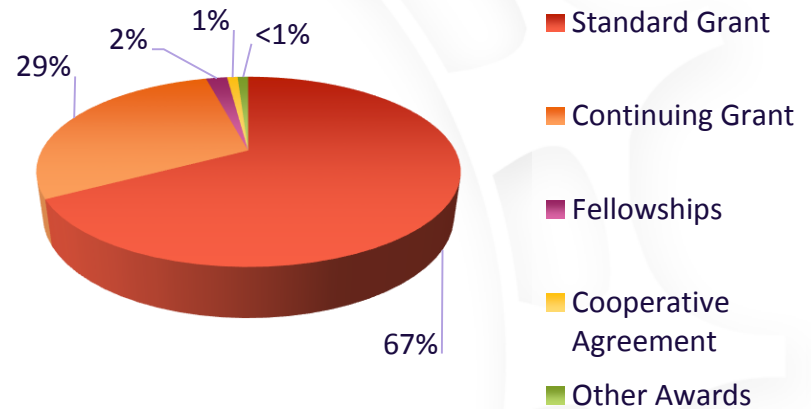
Over 42,500 active awards

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

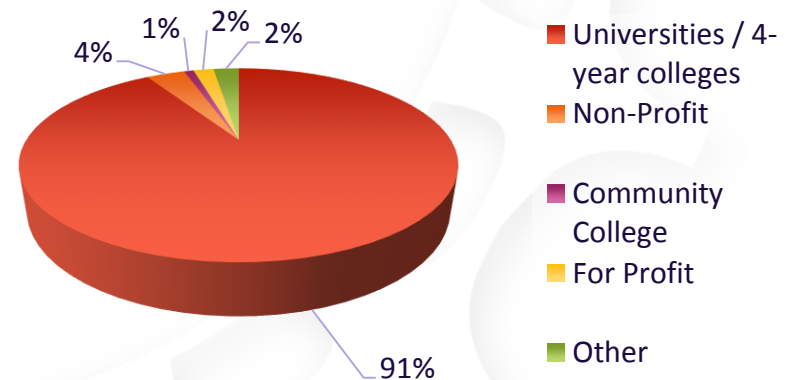
Over 3,000 Awardees

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

Type of Award Instrument



Type of Awardee Institution



Conference Award Portfolio

Arizona Institutions

- 914 active awards totaling \$602.2 million
- 8,297 lifetime awards totaling \$2.6 billion

Conference Attendees

- 126 of 162 organizations registered have 16,832 active awards totaling \$11.2 billion



Key Documents

- Proposal & Award Policies & Procedures Guide
www.nsf.gov/publications/pub_summ.jsp?ods_key=papp
- Fiscal Year 2018 Budget Request
www.nsf.gov/about/budget/fy2018/index.jsp
- NSF Strategic Plan for Fiscal Years 2014-2018
www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf14043
- NSB Report on Merit Review
www.nsf.gov/nsb/publications/pub_summ.jsp?ods_key=nsb1333



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)

