

# National Science Foundation



## Update

**EPSCoR Project Director and Project Administrator Meeting**  
**Arlington, VA**  
**May 18-21, 2009**



NATIONAL SCIENCE FOUNDATION

# Recovery Act Priorities

- New PIs & High-Risk, High Return Research
- Bolstering Infrastructure
- Energy & Climate
- CAREER, GRF, IGERT
- Award Size and Duration



# FY 2009 Appropriation

<b>Appropriations Account</b>	<b>FY 2009 Appropriation</b>	<b>FY 2009 Recovery Act</b>	<b>Total FY 2009 Appropriations</b>
<b>Research &amp; Related Activities</b>	<b>\$5,183</b>	<b>\$2,500</b>	<b>\$7,683</b>
<b>Education &amp; Human Resources</b>	<b>\$845</b>	<b>\$100</b>	<b>\$945</b>
<b>Major Research Equipment &amp; Facilities Construction</b>	<b>\$152</b>	<b>\$400</b>	<b>\$552</b>
<b>Agency Operations &amp; Award Management</b>	<b>\$294</b>	<b>-</b>	<b>\$294</b>
<b>National Science Board</b>	<b>\$4</b>	<b>-</b>	<b>\$4</b>
<b>Inspector General</b>	<b>\$12</b>	<b>\$2</b>	<b>\$14</b>
<b>TOTAL</b>	<b>\$6,490</b>	<b>\$3,002</b>	<b>\$9,492</b>



# FY 2009 Recovery Act Research & Related Activities

(Dollars in Millions)

	FY 2009 ARRA
Biological Sciences	260.00
Computer and Information Science and Engineering	235.00
Engineering	265.00
<i>SBIR/STTR</i>	[50.00]
Geosciences	347.00
Mathematical and Physical Sciences	490.00
Social, Behavioral and Economic Sciences	85.00
Office of Cyberinfrastructure	80.00
Office of International Science and Engineering	14.00
Office of Polar Programs	174.00
Integrative Activities	550.00
<b><i>EPSCoR</i></b>	<b>[50.00]</b>
<i>Major Research Instrumentation</i>	[300.00]
<i>Academic Research Infrastructure</i>	[200.00]
<b>TOTAL, RESEARCH AND RELATED ACTIVITIES</b>	<b>\$2,500.00</b>



# FY 2010 Request - NSF by Account

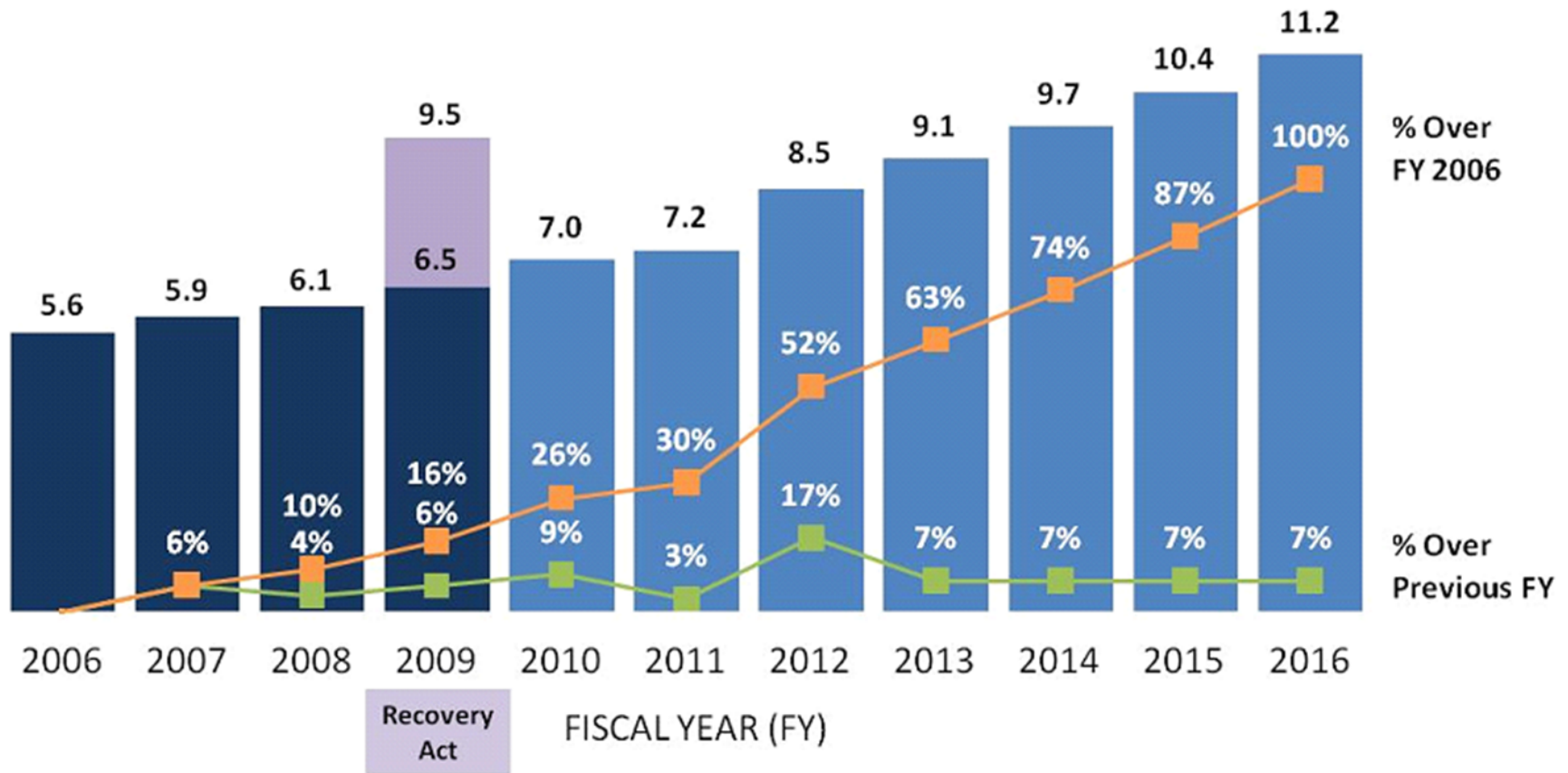
	FY 2009 Current Plan	FY 2009 Recovery Act	FY 2010 Request	Change over Current Plan	
				Amt.	Perc.
Research and Related Activities	\$5,183	\$2,500	\$5,733	\$550	11%
Education and Human Resources	845	100	858	13	1%
Major Research Equipment and Facilities Construction	152	400	117	-35	-23%
Agency Operations & Award Mgmt	294	-	318	24	8%
National Science Board	4	-	4	0	8%
Office of Inspector General	12	2	14	2	17%
<b>Total, NSF</b>	<b>\$6,490</b>	<b>\$3,002</b>	<b>\$7,045</b>	<b>\$555</b>	<b>9%</b>

Totals may not add due to rounding.



# President's Plan for Science and Innovation

Total NSF Funding: President's Plan for Science and Innovation  
FY 2006-FY 2016 (dollars in billions)





# FY 2010: Major Themes and Priorities

## ■ Potentially Transformative Research

- \$92 million to leverage activities

## ■ Examples:

- EAGER: EARly-concept Grants for Exploratory Research
- Sandpit process



# FY 2010: Major Themes and Priorities

- New Faculty and Young Investigators
  - CAREER - \$204 million
- Workforce development
  - Advanced Technological Education (ATE) - \$64 million
- Climate Change
  - Climate Change Education program - \$10 million
- Clean Energy
  - RE-ENERGYSE - joint NSF/DOE activity

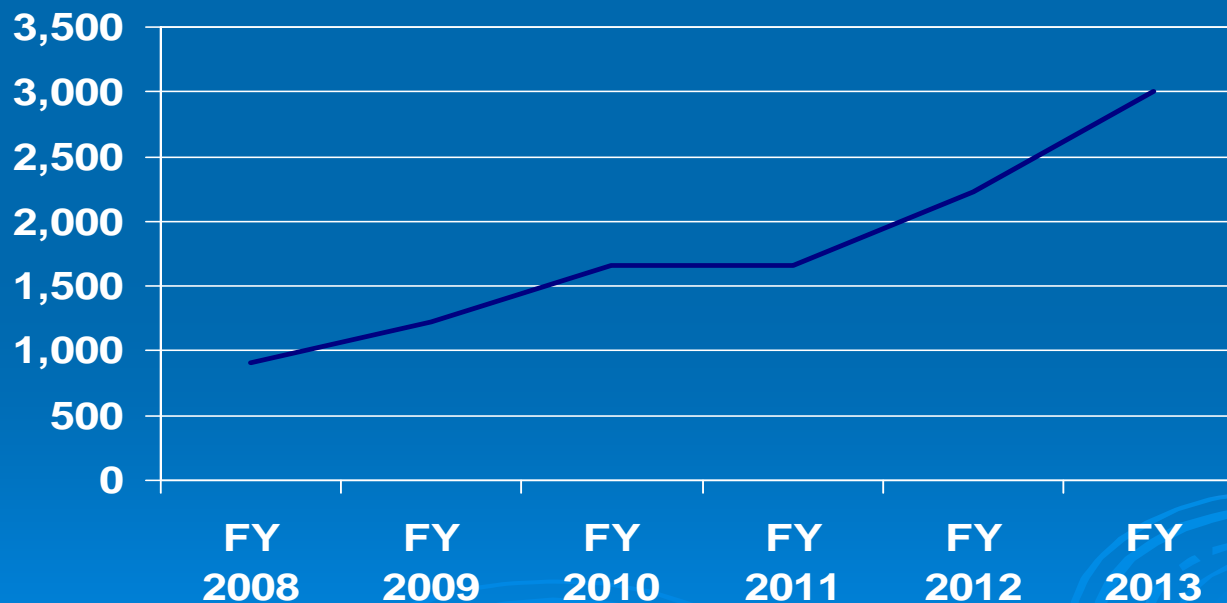




# FY 2010: Major Themes and Priorities

## ■ Graduate Research Fellowships

- Triple the number of new fellowships by 2013



# FY 2010: Major Themes and Priorities

- Cyber-enabled Discovery and Innovation (CDI)  
\$103 million - +\$32 million over '09
- Science & Engineering Beyond Moore's Law (SEBML)  
\$47 million - +\$31 million over '09
- Climate Research (CR)  
\$197 million – builds on existing NSF activities



# FY 2010: Major Themes and Priorities

## ■ Major Research Instrumentation

- \$100 million

## ■ EPSCoR

- \$147 million

## ■ Cybersecurity

- \$127 million



# EHR Programs

## ■ Education and Human Resources: \$857.76, +1.5%

- Graduate Fellowships (GRF, IGERT, GK-12): \$245.19M, + \$9.57M, +4.1%.
- HBCU-UP: \$32M, +\$500K, +1.6%
- LSAMP: \$44.75M, + \$2.25M, +5.3%
- TCUP: \$13.35M, -\$150K, -1.1%
- MSP: \$58.22M, -\$2.78M, -4.6%
- Noyce: \$55M, flat with FY09 Current Plan

