

A STRATEGIC VIEW ON

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE



Three studies & a framework

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ENGAGING NASEM

PAUSE 60 DAYS

Effective 9/23/15 to 12/15

- Address management concerns about costs
- Allow for agency-wide coordination
- Avoid duplication
- Sort out funding types



DEVELOP PROCESSES

Charge WG
Develop SOPs for new NASEM proposals
Change policy guidelines
Communicate changes to staff



ASSESS IMPACTS

Initial data analysis
Report recommendations and actions

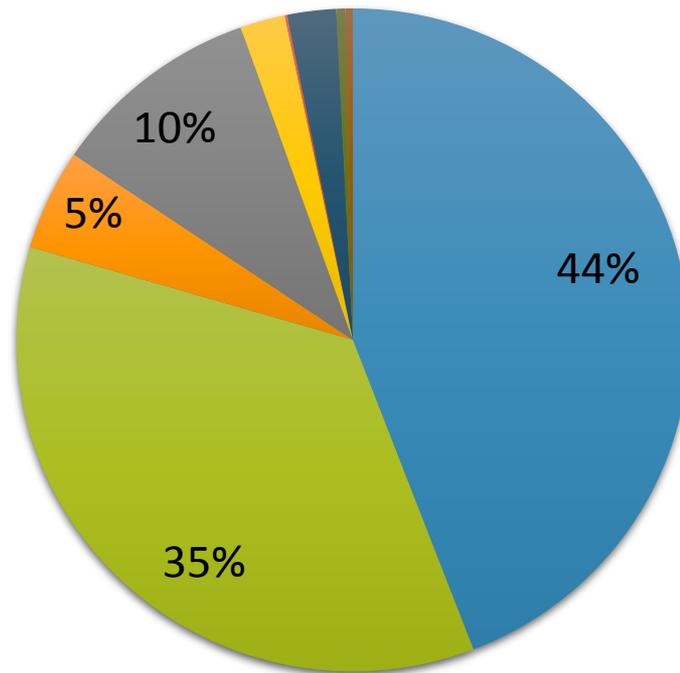
IMPORTANT TAKEAWAY

Over two years, NSF has set up routine processes for tracking investments and assessing impacts.

STAFFING THE TEAM

- **Joan M. Frye/OIA (co-chair)**
- Bob Fleischmann/BIO
- Pam Hawkins/BFA
- Beth Strausser/Policy
- Amy Friedlander/CISE
- Theresa Garner/DACS
- Eamonn Kelly/EHR
- **Cassandra Dudka/OISE (co-chair)**
- Sohi Rastegar/ENG
- Nicholas Anderson/GEO
- Leah Nichols/OIA
- Clark Cooper/MPS
- Deborah Olster/SBE

UNDERSTANDING NSF INVESTMENTS 2011-2016



Percent by \$ amount

- Core Support
- Round Table / Forum
- Workshop without Report
- Dues
- Consensus Study
- Workshop with Report
- Letter Report
- Other

COORDINATION TOOLS

NASEM AWARDS TRACKER

NASEM Tracking Spreadsheet - Active Projects

Award Number	Award Title	Managing NSF Directorate	Managing NSF Division	Managing Program Officer	NSF Award Amount	NASEM Project Co-Funding from Non-NSF Sources	Total Non-NSF Support	Award Effective Date	Expected or Actual Publication Date	Briefing Date(s)	NASEM Project
1741027	The Value of Social, Behavioral and Economic Sciences to National Priorities	SBE	SES	Cheryl Eavey	\$ 309,835	None	N/A	3/30/2017	6/9/2017	6/7/2017; 7/19/17	The Value of Social, Behavioral and Economic Sciences to National Priorities
1650389	Graduate Training in the Social and Behavioral Sciences: A Workshop	SBE	SMA	Corah	\$ 98,820	NIH Office of Behavioral and Social Sciences Research	\$ 126,177	10/1/2016	9/30/2017 (est)		Graduate Training in the Social and Behavioral Sciences: A Workshop
1647113	FRONTIERS OF MATERIALS: A DECADEAL SURVEY				\$			10/1/2016	10/1/2018 (est)		Frontiers of Materials: A Decadal Survey
1644492	Sexual Harassment in the Scientific and Technical Workforce And its Effects on the Careers of Scientists, Engineers, and Medical Professionals	O/D	OIA	Bernice Anderson	\$ 750,000	NIH; HHS; NASA;			018 (est)		Impacts of Sexual Harassment on Academia
1643182	Grand Challenges and Opportunities in Environmental Engineering and Science for the Twenty-first Century	ENG	EFMA	William Cooper	\$ 900,000	DOE, State of CA Delta Stewardship Council	\$ 200,000	8/15/2016	2/15/2018 (est)		Grand Challenges and Opportunities in Environmental Engineering

Upcoming report releases and associated briefings

Clickable links to NA reports

Upcoming meetings and events

IMPORTANT TAKEAWAY

Provides up-to-date information on NASEM activities supported by NSF awards

COORDINATION TOOLS

NASEM IMPACTS TRACKER

Summary of major recommendations

Summary of NSF response to recommendations

NAS Report	NASEM Report Pub Date	NASEM Report Recommendations	Outcomes
The Futue of Atmospheric Chemistry Research: Remembering Yesterday, Understanding Today, Anticipating Tomorrow	8/26/2016	<ul style="list-style-type: none"> • Advance knowledge of AC to enable better predictions • Quantify emissions and depositions of gases/particles • Better integrate AC into weather/climate models • Understand the impact of species harmful to health • Understand the feedbacks between AC and ecosystems 	<ul style="list-style-type: none"> • Improve predictive capabilities by coupling chemical, dynamical, and radiative processes • AGS, OCE & EAR are collaborating to connect trace gases and particles to specific ecosystems and examine feedbacks between the AC and biosphere
Enhancing the Value and Sustainability of Field Stations	7/23/2014	<ul style="list-style-type: none"> • Develop unique assets and qualitates of Field Stations, prepare the next generation 	<ul style="list-style-type: none"> • Strategic planning sessions at 2015 meeting of Organization of Biological Field Stations and National

IMPORTANT TAKEAWAY

Provides initial look at return on investment for NSF

THANKS!