

CYBERINFRASTRUCTURE FOR THE SOCIAL AND BEHAVIORAL SCIENCES

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MMS Program Director





SBE'S MISSION

- Promote the understanding of people and their lives by supporting research that:
 - Reveals basic facets of human behavior
 - Helps provide answers to important societal questions and problems
- Work with other disciplines to ensure that basic research and solutions to problems build upon the best multidisciplinary science
- Provide mission-critical statistical information about science and engineering in the U.S. and the world



A DIGRESSION ...



The Methodology, Measurement, and Statistics (MMS) Program is an interdisciplinary program in the Social, Behavioral, and Economic Sciences that supports the development of innovative analytical and statistical methods and models for those sciences. MMS seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social and behavioral sciences. As part of its larger portfolio, the MMS Program partners with a consortium of federal statistical agencies to support research proposals that further the development of new and innovative approaches to surveys and to the analysis of survey data.

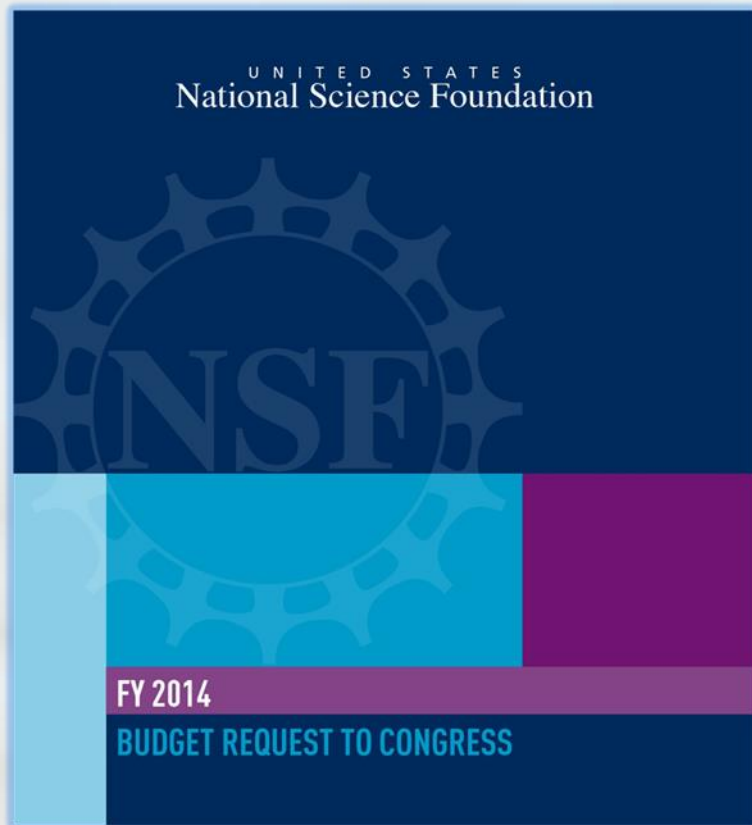
The MMS Program supports a variety of different types of awards, including:

- 1) Regular Research Awards
- 2) Mid-Career Research Fellowships
- 3) Doctoral Dissertation Research Improvement Grants
- 4) Research Experience for Undergraduates (REU) Supplements





SBE MAJOR INVESTMENTS FOR FY 2014

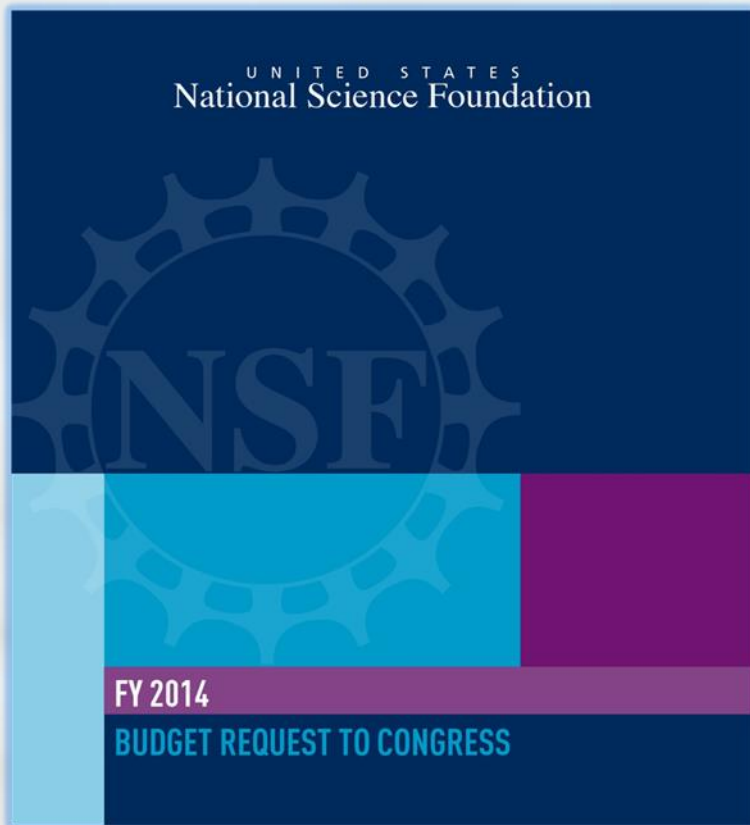


- Sustain Core SBE Research
- Enhance support for NCSES Innovation
- Continue FY 2013 innovations in data, interdisciplinary research and training, and cognition & neuroscience





NSF MAJOR INVESTMENTS AND SBE



- Cyberinfrastructure Framework for 21st Century Science and Engineering (CIF21)
- Comprehensive National Cybersecurity Initiative (CNCI)





CYBERINFRASTRUCTURE FRAMEWORK FOR 21ST CENTURY SCIENCE AND ENGINEERING

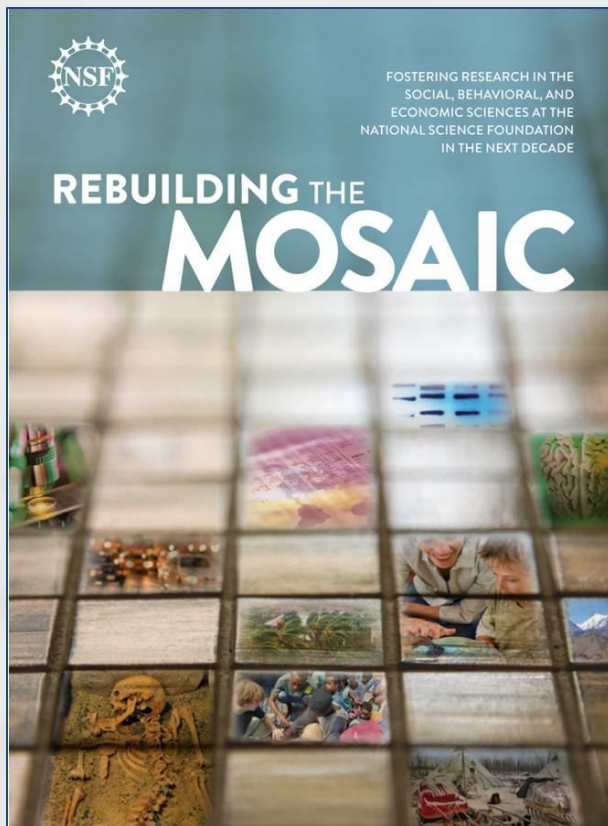
- CIF2I will provide comprehensive, integrated, sustainable, and secure cyberinfrastructure
- It is a portfolio of activities to provide integrated cyber resources that will enable new multidisciplinary research opportunities





FY 2014 SBE 2020 INVESTMENTS AND CIF21-- BCC

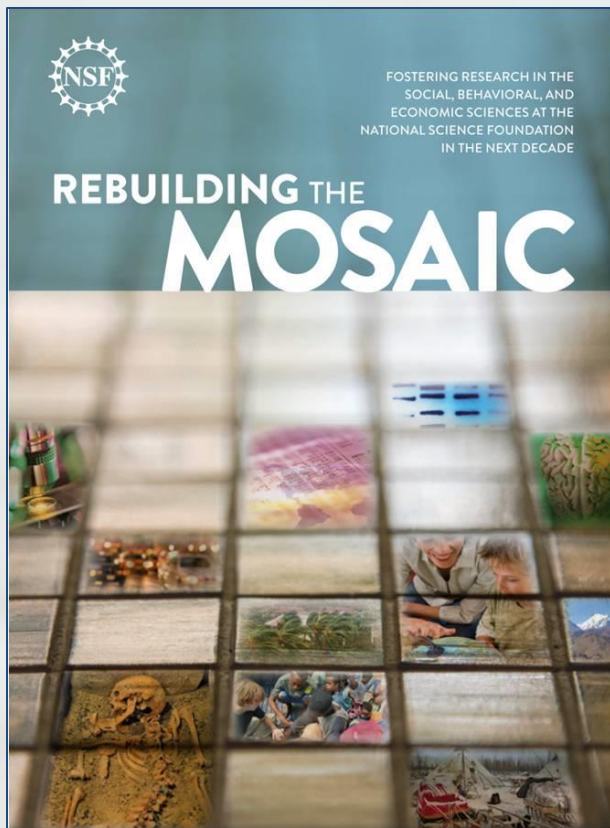
- Building Community and Capacity for Data-Intensive Research in the Social, Behavioral, and Economic Sciences and in Education and Human Resources





FY 2014 SBE 2020 INVESTMENTS AND CIF2I-- BCC

- Seeks to enable research communities to develop visions, teams, and capabilities dedicated to creating new, large-scale, next-generation data resources and relevant analytical techniques to advance fundamental research for the SBE and EHR areas of research





NSF-WIDE CIF2I ACTIVITIES AND SBE

- Data Infrastructure Building Blocks (DIBBS)
 - Seeks to develop data infrastructure usable by multiple scientific communities
- Software Infrastructure for Sustained Innovation – S2I2
 - Transforming innovations in research and education into sustained software resources





COMPREHENSIVE NATIONAL CYBERSECURITY INITIATIVE

- Launched under President George W. Bush
- President Obama determined that it should evolve to become part of a broader, updated national U.S. cybersecurity strategy
- Consists of a set of mutually reinforcing initiatives designed to help secure the United States in cyberspace
- Focus on multidisciplinary research
- Secure and Trustworthy Cyberspace Program (SaTC)





SECURE AND TRUSTWORTHY CYBERSPACE PROGRAM

- In December 2011, the National Science and Technology Council (NSTC) with the cooperation of NSF issued a broad, coordinated federal strategic plan for cybersecurity research and development to "change the game," minimize the misuses of cyber technology, bolster education and training in cybersecurity, establish a science of cybersecurity, and transition promising cybersecurity research into practice





SECURE AND TRUSTWORTHY CYBERSPACE PROGRAM

- Multidisciplinary approach to research that leverages the disciplines of mathematics and statistics, the social sciences, and engineering together with the computing, communications and information sciences
- SaTC welcomes proposals that address Cybersecurity from a Trustworthy Computing Systems (TWC) perspective and/or a Social, Behavioral and Economic Sciences (SBE) perspective





SBE CONTACTS FOR RELEVANT ACTIVITIES

- BCC – Saylor Breckenridge, John Yellen, and William Badecker
- SI2 – Cheryl Eavey
- DIBBS – Cheryl Eavey and Heng Xu
- SaTC – Heng Xu





THANKS. ANY QUESTIONS?

