



## Social, Behavioral and Economic Sciences Directorate

- ❑ 1 of 7 NSF Directorates
  - ❑ Annual budget of approximately \$254 million
  - ❑ Funds more than 50% of federally funded basic research in SBE fields in academic institutions
  - ❑ Most of the funds go to peer-reviewed grants to individuals and small groups
  - ❑ Also provides funding to major surveys; collect data on the science and engineering enterprise
-



**Office of the Director**

**Directorate for Social,  
Behavioral & Economic  
Sciences**

**Social and Economic  
Sciences**

**Behavioral and Cognitive  
Sciences**

**National Center for Science  
and Engineering Statistics**



## **Social and Economic Sciences Division**

- **Decision, Risk, & Management Science/DRMS**
  - **Economics**
  - **Law & Social Sciences/LSS**
  - **Methodology, Measurement, & Statistics/MMS**
  - **Political Science**
  - **Science of Organizations/SoO**
  - **Science Technology, & Society/STS**
  - **Sociology**
-



# Directorate for Social, Behavioral, & Economic Sciences (SBE)

## 2) Behavioral & Cognitive Sciences (BCS)

- ❑ Archaeology
  - ❑ Cultural Anthropology
  - ❑ Physical Anthropology
  - ❑ Geography & Spatial Sciences
  - ❑ Cognitive Neuroscience
  - ❑ Developmental & Learning Sciences
  - ❑ Endangered Languages
  - ❑ Linguistics
  - ❑ Perception, Action, & Cognition
  - ❑ Social Psychology
-



## Behavioral and Cognitive Sciences Division

- Archaeology
  - Cultural Anthropology
  - Biological Anthropology
  - Geography & Spatial Sciences
  - Cognitive Neuroscience
  - Developmental & Learning Sciences
  - Endangered Languages
  - Linguistics
  - Perception, Action, & Cognition
  - Social Psychology
-



## National Center for Science and Engineering Statistics

- Nation's primary source of data and analysis on the science & engineering enterprise
  - Designs, supports, and directs about 11 periodic surveys, other data collections & research projects
    - Major surveys on innovation in business
  - 30 publications yearly
  - Congressionally-mandated publications:
    - Science & Engineering Indicators
    - Women, Minorities, and Persons with Disabilities in Science and Engineering
-



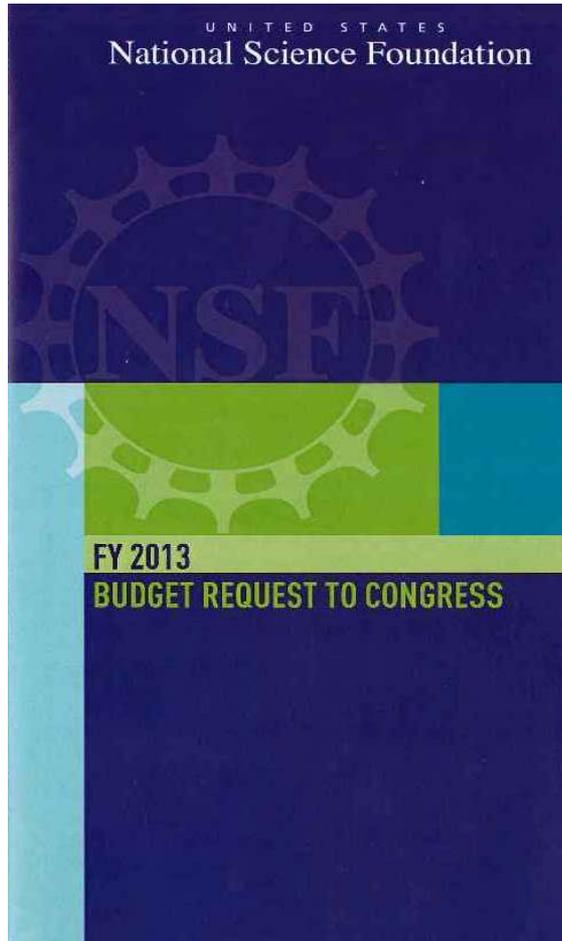
## SBE Office of Multidisciplinary Activities

- Science of Science and Innovation Policy (SciSIP)
- Science of Learning Centers (SLC)
- Research Experiences for Undergraduates (REU Sites)
- SBE Postdoctoral Fellowships (two tracks)
- Interdisciplinary Behavioral and Social Sciences Research (IBSS)





# 2013 NSF Themes for SBE



- Science, Engineering and Education for Sustainability (SEES)
- Cyberinfrastructure Framework for 21<sup>st</sup> Century Science and Engineering (CIF21)
- Expeditions in Education (E<sup>2</sup>)
- Comprehensive National Cybersecurity Initiative (CNCI)



# NSF Major Investments and SBE (cont.)

- Innovation Corps Program (I-Corps)
- Integrated NSF Support Promoting Interdisciplinary Research and Education (INSPIRE)
- Build on Core Programs to Support Innovative Science



# Other SBE Priorities and Investments

- Cognitive Science and Neuroscience
- International activities
- Science of Learning Centers
- Science of Science and Innovation Policy
- Science of Broadening Participation
- NCSES research program
- CAREER
- Cyberlearning Transforming Education
- Enhancing Access to the Radio Spectrum



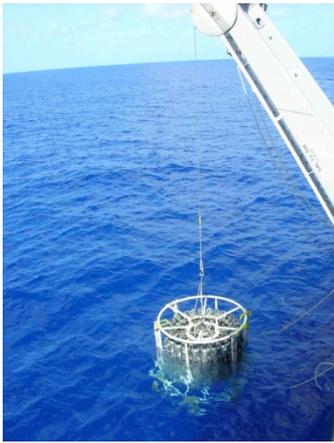
# SBE FY13 Investments in CIF21



- Community Development
- Access to SBE-supported surveys
- Advanced Computing Infrastructure
- Building Community and Capacity for Data-Intensive Research (SBE/HER)



# SBE FY13 Investments in SEES

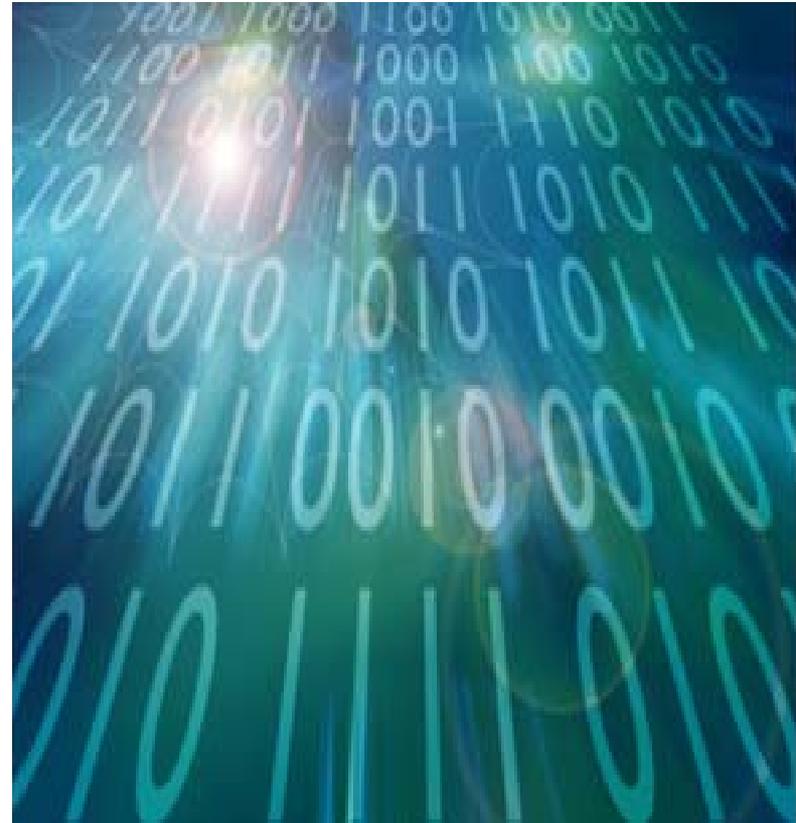


- Water Sustainability and Climate
- Coupled Natural and Human Systems
- Sustainability Research Networks
- SEES Fellows
- Sustainable Energy Pathways
- Decision making, coastal communities, vulnerability, and resilience



# SBE FY13 Investments in CNCI

- Secure and Trustworthy Cyberspace (SaTC):
  - Fund research to enable a cybersecure society via the production of high-quality digital systems and a well-trained workforce
- SBE focus: To understand and, if possible, predict:
  - Prevention, attack, and/or defense behaviors
  - Design of incentives, markets, or institutions
  - Motivations of individuals





# Innovation Corps (I-Corps)

- Assesses the readiness of emerging technology concepts to transition into new products
- Brings together technological, entrepreneurial, and business know-how to move discoveries towards commercialization

## SBE focus:

- Strengthen collaboration between social scientists and practitioners
- Improve social science students' understanding of innovation



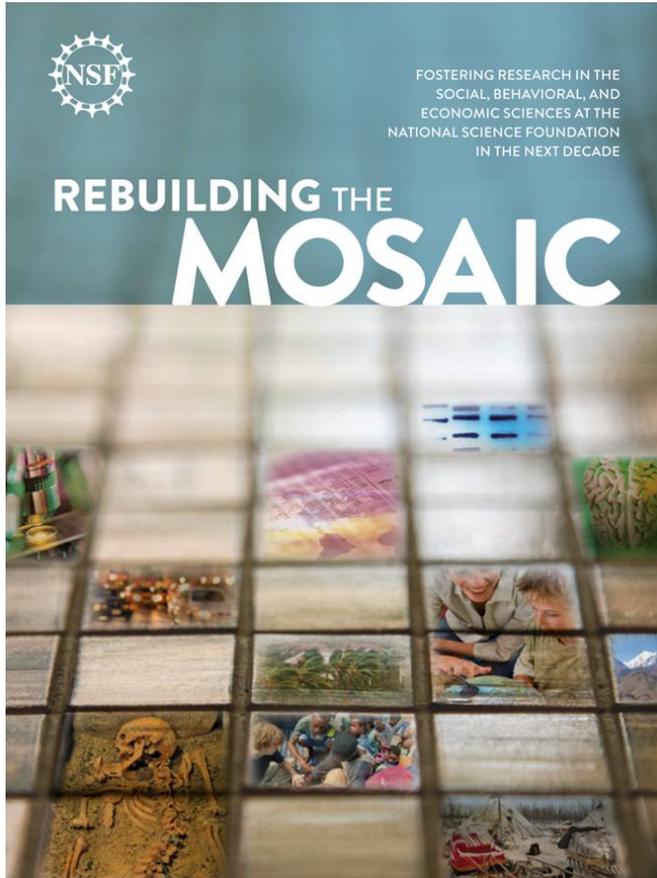


# Integrated NSF Support Promoting Interdisciplinary Research and Education (INSPIRE)

- **INSPIRE** (second year pilot program)
  - Interdisciplinary and potentially transformative
  - Internal merit-reviewed by program directors
  - Open to all NSF-supported fields—no favored topics
  - Substantial funding; not limited to exploratory stage
  
- **SBE Focus:**
  - Support interdisciplinary research and training aligned with the SBE Transformed Portfolio, SBE 2020



# FY13 SBE 2020 Investments

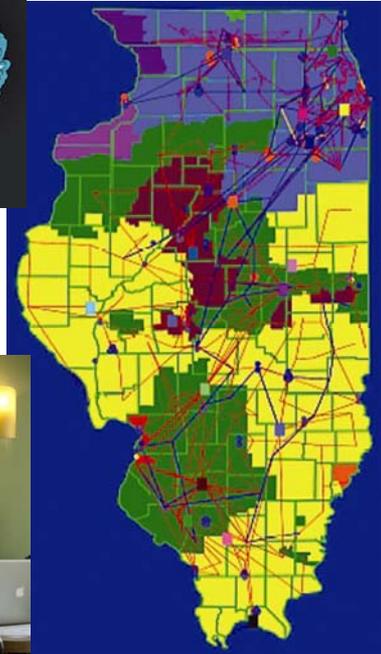
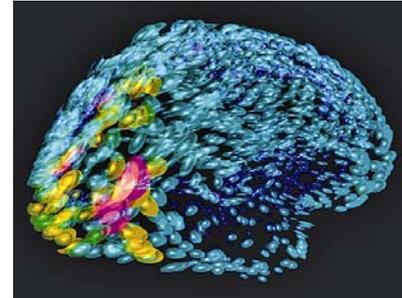


- Interdisciplinary research and training – \$14.0 M
- Data and Infrastructure (linked to CIF21) - \$6.0 M



# SBE 2020 Themes

- Population change: family, migration, aging
- Disparities: health, gender, race and ethnicity, education and more
- Communication, language, brain, behavior
- New technology, social media and social networks





# Proposal Tips

- Check “Awards” database for appropriate program and budget guidelines
- Send PO a “white paper”
- Get Institutional Review Board (IRB) approval early; at least have it pending at submission
- Provide suggested reviewers (“single copy documents”)
- Monitor the progress of your proposal through NSF FastLane – do not contact your PO