SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES (SBE)

$268,790,000
+$13,540,000 / 5.3%

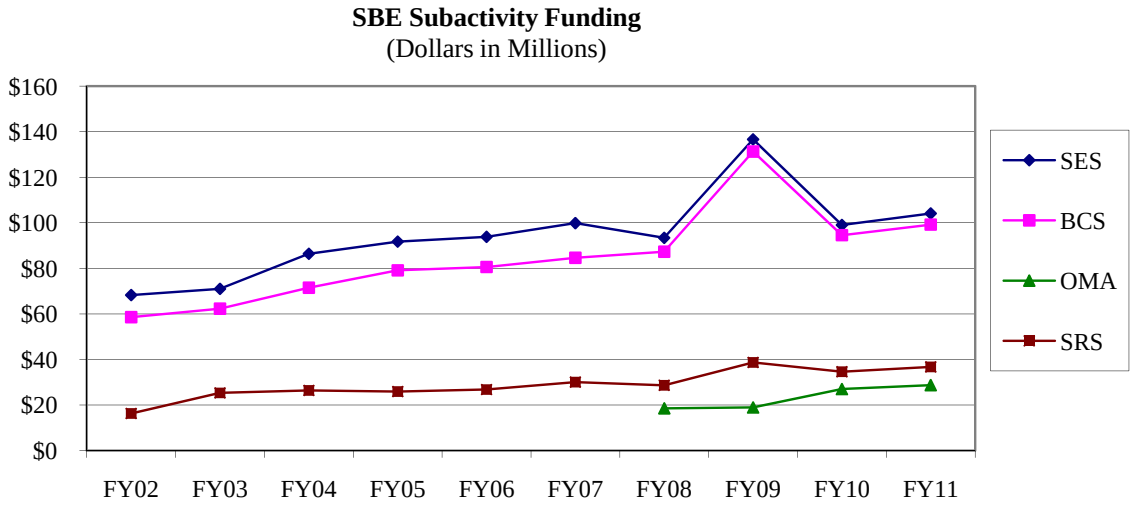
SBE Funding
(Dollars in Millions)

	FY 2009 Omnibus Actual	FY 2009 ARRA Actual	FY 2010 Estimate	FY 2011 Request	Change Over FY 2010 Estimate Amount	Change Over FY 2010 Estimate Percent
Behavioral and Cognitive Sciences (BCS)	$88.12	$43.16	$94.58	$99.21	$4.63	4.9%
Social and Economic Sciences (SES)	94.82	41.10	99.05	104.12	5.07	5.1%
Science Resource Statistics (SRS)	38.71	-	34.62	36.72	2.10	6.1%
Office of Multidisciplinary Activities (OMA)	18.91	0.71	27.00	28.74	1.74	6.4%
Total, SBE	**$240.56**	**$84.97**	**$255.25**	**$268.79**	**$13.54**	**5.3%**
Research	175.89	77.78	194.02	201.00	6.98	3.6%
Education	13.65	7.19	12.20	15.67	3.47	28.4%
Infrastructure	46.65	-	43.56	46.36	2.80	6.4%
Stewardship	4.38	-	5.47	5.76	0.29	5.3%

Totals may not add due to rounding.

SBE supports fundamental research and related activities addressing the dynamics of cognition and behavior, as well as of social, political, and economic interactions that yield new knowledge of human cognition, social and economic organization, and patterns of development and change. In recent decades, SBE research has resulted in new understandings of human development and social dynamics; of perception, memory, linguistic, learning, and reasoning processes; of how people behave as individuals and as members of groups and organizations; and of key social institutions and indicators of their health. SBE participates in inter-directorate, interagency, and international research and education activities, and encourages and supports many forms of transformative research. Policy makers at all levels of government have drawn on the results of SBE-supported research for decision-making and risk management. SBE supported research is beginning to provide a better understanding of the innovation process.

The SBE portfolio also includes major surveys that provide broad-based infrastructure for the research community, while providing policy makers with needed information. The Division of Science Resources Statistics (SRS) is the designated federal statistical entity with responsibility for the S&E enterprise writ large, and its data collections and analyses are important for evaluating overall U.S. competitiveness in science and engineering.



SBE in Context

SBE provides about 58 percent of federal funding for basic research at academic institutions in the SBE sciences. In some fields, including archaeology, political science, linguistics, non-medical anthropology and sociology, SBE is the predominant or exclusive source of federal basic research support. SBE also provides predominant federal support for the social aspects of psychology.

Over the past decade, three key elements have allowed research in the SBE sciences to undergo dramatic changes: (1) new technologies, analytical techniques, and cyber capabilities; (2) new approaches to shared infrastructure; and (3) partnerships for exploring dynamics in human and social systems.

For example, functional Magnetic Resonance Imaging (fMRI) techniques have enabled behavioral scientists to link behavior to brain activity, opening new channels for investigation. Likewise, the integration of genomic analysis and Geospatial Information Systems (GIS) into existing and novel analyses has led to new insights on human origins. New analytical techniques and enhanced cyber capabilities have combined for pervasive transformative impact across the human sciences, creating new approaches to shared infrastructure, making survey information and databases more broadly accessible and enabling links across datasets collected for different purposes. This new infrastructure encourages the analysis of human behavior at a finer resolution and allows complex human systems to be explored across a broad spectrum of research areas.

SBE researchers are now exploring the processes and implications of constantly changing systems, with partners across NSF who share an interest in the way human and social behavior interacts with natural and built systems, influences learning, and mediates the interaction between basic research results and marketable technologies. This has led to collaborative enterprises with other directorates focusing on the human dimensions of many aspects of science and engineering as well as STEM learning and education.

This confluence of drivers positions SBE well to contribute toward meeting major national challenges. SBE will continue as an active partner in government-wide activities such as the U.S. Global Change Research Program (USGCRP), the National Nanotechnology Initiative (NNI), and the Networking and Information Technology Research and Development (NITRD) program, and will continue to support the Administration's programmatic priorities relating to homeland security. In addition, SBE's Science of Science and Innovation Policy program (SciSIP) contributes to government-wide efforts to assess

tangible and intangible returns from investments in research and development, creating better understanding of the likely returns from future investments. NSF-wide investment portfolios, such as Science, Engineering, and Education for Sustainability (SEES) and Cyberlearning Transforming Education (CTE) provide a good context for SBE's contributions to interdisciplinary and interagency activities.

SBE's Science Resources Statistics (SRS) Division conducts, analyzes, and disseminates survey results relating to science and engineering (S&E). SRS activities, products, and services provide critical information on research and development (R&D), the S&E workforce, the international S&E enterprise, the role of U.S. S&E in a globalized economy, and the outputs of the S&E enterprise such as patents and scientific publications. In addition to the biennial publications *Science and Engineering Indicators* and *Women, Minorities and Persons with Disabilities in Science and Engineering*, SRS provides access to a variety of data on S&E through its website (www.nsf.gov/statistics) and online databases.

The FY 2011 Request for SBE includes $5.0 million to leverage activities across the directorate aimed at increasing support for transformative research. Examples of foci for these investments include research on complex human and social systems and potentially transformative infrastructure. Large-scale interdisciplinary projects may also provide the arena for potentially transformative contributions.

Factors Influencing the Allocation Across Divisions and Major Programs

- Maintaining a healthy research base, with particular attention to the support of potentially transformative research, is the top priority for SBE. Ensuring optimal use of program resources to address this priority will lead to some realignment of standing programs and other significant research activities within SBE divisions.
- Enhancing the capabilities for research and education of current and future scholars in the SBE scientific workforce remains a priority. This is reflected in the increases requested for CAREER and GRF.
- SBE's participation in the NSF-wide SEES portfolio investment integrates activities across components of climate, energy, and the environment by supporting research in the human and social dimensions of sustainability. Additional funding for climate and energy research will enable SBE scientists to develop, evaluate, and refine new approaches to the mitigation of and adaptation to climate change, while advancing their fields through exploration of the complex, interacting social, economic, natural, and technological systems of sustainability. Specific areas for research include:
    - social and cultural influences on human perception of value and risk;
    - the influence of perceptions on decision-making under uncertainty;
    - the interplay of individual and collective decisions and actions;
    - changing land use and migration patterns;
    - the life cycles and governance of socio-technological systems, particularly energy-based technologies;
    - the role of social networks in influencing behavior; and
    - the social and political trade-offs of taking costly actions today for uncertain benefits in the future.
    - SBE researchers will continue to enhance capabilities for analysis in the areas of complex human and social systems, transforming data to information, and understanding virtual organizations and their role in SBE sciences.
    - Setting the stage for a new generation of potentially transformative infrastructure across SBE will require an investment for FY 2011 at the intersection of potentially transformative ideas and the feasibility of infrastructure to inform future directions.

- SBE will further the directorate's investment in a variety of activities aimed at learning systems, ranging from partnership with MPS and ENG in exploring how the physical system of the brain enables function to participation in the NSF-wide CTE investment.
- Key changes in SRS include starting development of an entirely new module on innovation for the Business R&D and Innovation Survey; development of a Microbusiness R&D and Innovation Survey; beginning full-scale implementation of a postdoc survey; a new sample frame for the National Survey of College Graduates; and a initiating a transition from current online data delivery systems to an alternative that provides users with access to data through improved, more flexible interfaces.
- The SciSIP program will create a specific focus aimed at research that can influence the development of decision support tools for those in policy positions affecting science and innovation (+$500,000 to a total of $14.25 million, funded through OMA and SRS).

SBE Funding for Centers and Facilities

SBE Funding for Centers and Facilities

(Dollars in Millions)

	FY 2009 Omnibus Actual	FY 2009 ARRA Actual	FY 2010 Estimate	FY 2011 Request	Change Over FY 2010 Estimate Amount	Change Over FY 2010 Estimate Percent
Centers	**$12.55**	**$0.73**	**$19.90**	**$19.90**	**-**	**-**
Science of Learning Centers (SLC)	*10.51*	-	*19.10*	*19.10*	-	-
Long Term Ecological Res. (LTER)	*0.92*	*0.73*	*0.20*	*0.20*	-	-
Nano Centers	*1.12*	-	*0.60*	*0.60*	-	-
Facilities	**$0.40**	**-**	**$0.40**	**$0.40**	**-**	**-**
National Nanotechnology Infrastructure Network (NNIN)	*0.40*	-	*0.40*	*0.40*	-	-

Detailed information on individual Centers can be found in the NSF-Wide Investments chapter. For further detail about individual facilities, please see the Facilities chapter.

Centers

- Funding for the Science of Learning Centers (SLCs) will continue at $19.10 million, providing continued funding for the six current SLCs. There is matching co-funding from disciplinary partners in BIO, CISE, and ENG in the amount of $6.70 million for a total of $25.80 million.
- Funding for the Long Term Ecological Research (LTER) program will continue at $200,000.
- Funding for the Centers for Nanotechnology in Society (NSEC) will continue at $600,000.

Facilities

- Funding for the National Nanoscale Infrastructure Network (NNIN) will continue at $400,000.

SBE Administration Priority Programs and NSF Investments

SBE Administration Priority Programs and NSF Investments
(Dollars in Millions)

	FY 2009 Omnibus Actual	FY 2009 ARRA Actual	FY 2010 Estimate	FY 2011 Request	Change Over FY 2010 Estimate Amount	Change Over FY 2010 Estimate Percent
Faculty Early Career Development (CAREER)	$5.63	$13.86	$5.16	$5.53	$0.37	7.2%
Graduate Research Fellowships (GRF)	0.36	4.19	-	4.57	4.57	N/A
Science, Engineering, and Education for Sustainability (SEES)	N/A	N/A	20.78	27.98	7.20	34.6%
Cyberlearning Transforming Education (CTE)	N/A	N/A	-	1.20	1.20	N/A

SBE's FY 2011 budget will significantly expand two key NSF programs that support students and early-career researchers. SBE will also make significant research investments in the SEES and CTE activities.

Specific SBE investments include:

- Support for CAREER awards (+$370,000 to a total of $5.53 million) in social and behavioral sciences, across all disciplines, for jump-starting junior faculty toward independent careers in research and education;
- New funding totaling $4.57 million for graduate research fellowships in FY 2011;
- In FY 2011, SBE will invest $27.98 million (+$7.20 million) in the NSF-wide Science, Engineering, and Education for Sustainability (SEES) portfolio to integrate efforts in climate and energy science and engineering. SBE research will bring in the human and social dimensions of sustainability.
- Investment of new funding totaling $1.20 million for Cyberlearning Transforming Education (CTE) in FY 2011.

For more information on Administration priority programs and NSF investments, please refer to the Overview and NSF-wide Investments sections.

Program Evaluation and Performance Improvement

The Performance Information chapter provides details regarding the periodic reviews of programs and portfolios of programs by external Committees of Visitors and directorate Advisory Committees. Please see this chapter for additional information.

In FY 2011, SBE is scheduled to hold two Advisory Committee (AC) meetings. The SBEAC includes liaison members to other NSF Advisory Committees, and there is regular attention to how SBE's programs and performance link with those of NSF's broader investment portfolios in areas such as climate and environment, cyberinfrastructure, and broadening participation. In addition, a Committee of Visitors (COV) meeting is scheduled for the Office of Multidisciplinary Activities (OMA).

Number of People Involved in SBE Activities

	FY 2009 Estimate	FY 2009 ARRA Estimate	FY 2010 Estimate	FY 2011 Estimate
Senior Researchers	3,387	1,113	3,478	3,600
Other Professionals	409	147	441	450
Postdoctorates	251	66	259	270
Graduate Students	2,346	882	2,462	2,600
Undergraduate Students	2,459	431	1,330	1,380
Total Number of People	**8,852**	**2,639**	**7,970**	**8,300**

SBE Funding Profile

	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate
Statistics for Competitive Awards:			
Number of Proposals	4,525	5,000	5,200
Number of New Awards	1,337	1,187	1,230
Regular Appropriation	1,056	1,187	1,230
ARRA	281	-	-
Funding Rate	30%	24%	24%
Statistics for Research Grants:			
Number of Research Grant Proposals	3,221	3,600	3,800
Number of Research Grants	794	720	745
Regular Appropriation	535	720	745
ARRA	259	-	-
Funding Rate	25%	20%	20%
Median Annualized Award Size	$100,557	$104,086	$106,000
Average Annualized Award Size	$113,647	$121,873	$124,000
Average Award Duration, in years	2.6	3.0	3.0

DIVISION OF BEHAVIORAL AND COGNITIVE SCIENCES (BCS) $99,210,000
+$4,630,000 / 4.9%

BCS Funding

(Dollars in Millions)

	FY 2009 Omnibus Actual	FY 2009 ARRA Actual	FY 2010 Estimate	FY 2011 Request	Change Over FY 2010 Estimate Amount	Percent
BCS	**$88.12**	**$43.16**	**$94.58**	**$99.21**	**$4.63**	**4.9%**
Research	81.65	41.07	88.09	90.75	2.66	3.0%
Science of Learning Centers	*4.00*	-	*6.20*	*6.20*	-	-
Nano Centers	*0.18*	-	*0.18*	*0.18*	-	-
LTER	*0.92*	*0.73*	*0.20*	*0.20*	-	-
Education	4.51	2.09	3.91	5.74	1.83	46.8%

BCS supports research and related activities that advance fundamental understanding in the behavioral, cognitive, anthropological, and geographic sciences. Strong core programs are complemented by active involvement in competitions that support collaborative and cross-disciplinary projects. The division seeks to advance scientific knowledge and methods focusing on human cognition and behavior including perception, thought processes, language, learning, and social behavior across neural, individual, family, and group levels. The division also supports activities focusing on human variation at the scales of society, culture, and biology, and how these variations and related patterns develop and change across time and space. The division aims to increase basic understanding of geographic distributions and relationships as well as the capabilities to explore them, with an emphasis on interactions among human and natural systems on the Earth's surface. BCS research is helping us prepare for and mitigate the effects of natural and human-initiated disasters, predict and address how people respond to stressors, improve methods for effective learning, enhance the quality of social interaction, and respond to issues such as globalization, terrorism, and climate change.

In general, 70 percent of the BCS portfolio is available for new research grants. The remaining 30 percent funds continuing grants made in previous years.

Factors Influencing the Allocation Across BCS Programs

- $1.68 million will enable the division to maintain healthy core programs while operating in an interdisciplinary context. In addition, these funds will facilitate the highest quality and most innovative investigator-originated projects. Particular attention will be focused on projects with the potential to transform scientific paradigms. Ensuring optimal use of program resources to address this priority will lead to some realignment of standing programs and other significant research activities within BCS.
- $2.46 million will allow additional support for enhancing research and educational capabilities of current and future scholars in the psychological, anthropological and geographic sciences by expanding support for CAREER and GRF awards.
- $490,000 will provide additional support for research that advances fundamental knowledge about the complex ways that people interact with climate and other natural systems including larger-scale, longer term research that bridges the human sciences with the natural sciences and engineering, and research that focuses on cultural, social and psychological factors that affect perceptions, attitudes, decision making and other forms of human behavior, particularly those associated with environmental sustainability.

- Support for research and methodological development on learning and adaptive systems includes interdisciplinary research across the appropriate directorates.
- Continue support for behavioral and cognitive research that informs our understanding of critical issues facing the Nation. Topics include the motivation of terrorists, communication regarding emergent phenomena such as pandemics, and behavioral components of energy use and conservation.
- Communicate the benefits and utility of behavioral and cognitive scientific research for addressing critical issues, such as terrorism, climate change, and sustainability, to policy-makers, decision-makers and the public.
- Determine future shared infrastructural needs that enable research and education within and beyond the psychological, anthropological, and geographic sciences including shared databases, observational centers and other innovative facilities and resources, as recommended by the recent BCS Committee of Visitors.

DIVISION OF SOCIAL AND ECONOMIC SCIENCES (SES) $104,120,000
+$5,070,000 / 5.1%

SES Funding
(Dollars in Millions)

	FY 2009 Omnibus Actual	FY 2009 ARRA Actual	FY 2010 Estimate	FY 2011 Request	Change Over FY 2010 Estimate Amount	Percent
SES	**$94.82**	**$41.10**	**$99.05**	**$104.12**	**$5.07**	**5.1%**
Research	78.98	36.00	82.69	85.17	2.48	3.0%
Nano Centers	*0.94*	-	*0.42*	*0.42*	-	-
Education	5.58	5.10	4.72	6.56	1.84	39.0%
Infrastructure	8.46	-	9.34	9.94	0.60	6.4%
NNIN	*0.40*	-	*0.40*	*0.40*	-	-

SES supports research and related activities, conducted within the U.S. and globally, that improve systematic understanding of economic, political, and social institutions and how individuals and organizations behave within them. SES also supports research and related activities associated with risk assessment and decision-making by individuals and groups; the nature and development of science and technology and their impact on society; methods and statistics applicable across the social, economic, and behavioral sciences; scholarly career development; and broadening participation in the social, behavioral, and economic sciences. Its discipline-based programs include sociology, economics, and political science, while interdisciplinary programs support fields such as decision-making and risk, law and social science, and science and technology studies. In many of its programs, SES is the major, if not only, source of federal funding for fundamental research, making important investments in the data resources and methodological advances that produce transformative research.

SES supports research and education through grants that range in size from small supplements for undergraduate collaboration with faculty on research projects and awards to doctoral students for support of dissertation research expenses to multi-million dollar survey awards such as the American National Elections Studies (ANES), the Panel Study of Income Dynamics (PSID), and the General Social Survey (GSS). These surveys, and others supported in SES, are national resources for research, teaching, and decision-making that have become models for similar undertakings in other societies.

With an investment totaling $1.67 million in FY 2011, SES also coordinates the Ethics Education in S&E Program, supporting (with other NSF directorates) the Online Ethics Center for Engineering and Science, and manages the Centers for Nanotechnology in Society. SES is also a participant in a number of Nanoscale Science and Engineering Centers and the National Nanoscale Infrastructure Network. In addition, SES plays a major role in managing the Decision Making Under Uncertainty collaborative projects.

In general, 65 percent of the total SES portfolio is available for new research grants. The remaining 35 percent is used primarily to fund continuing grants made in previous years.

Factors Influencing the Allocation Across SES Programs

- $2.09 million will provide additional support to maintain healthy core programs while operating in an interdisciplinary context. SES will strengthen fundamental research that has the potential to address complexity research and large-scale interdisciplinary research. SES will give particular emphasis to research that has transformative potential for the social and economic sciences. Ensuring optimal use

of program resources to address this priority will lead to some realignment of standing programs and other significant research activities within SES.

- $2.48 million will provide additional support for encouraging a technically competent scientific workforce, which remains a priority and is reflected in the increases requested for CAREER and Graduate Research Fellowship.
  - $800,000 will increase support for major infrastructure projects – the ANES, the GSS, and the PSID – while exploring new types of infrastructure for the future. These projects are important national resources that generate requisite data for innovative research on a broad range of highly important political, social, and economic topics relevant to emerging national and global challenges.
  - SES will maintain its support for research on fundamental questions associated with climate, environmental change, and levels and patterns of energy consumption as part of the SEES portfolio. SES can make important contributions to understanding key questions related to energy consumption, the adoption of new and alternative forms of energy, and the implications this has for climate change and national security. Since these important questions involve complex social, political, and economic systems, it is important to bring to bear the full breadth of SES research.
  - SES will partner with CISE in exploring the emerging interface between computer science and economics, including algorithmic game theory, automated mechanism design, computational tractability of basic economic problems, and the role of information, trust, and reputation in markets.

DIVISION OF SCIENCE RESOURCES STATISTICS (SRS) $36,720,000
+$2,100,000 / 6.1%

SRS Funding

(Dollars in Millions)

	FY 2009 Omnibus Actual	FY 2009 ARRA Actual	FY 2010 Estimate	FY 2011 Request	Change Over FY 2010 Estimate Amount	Percent
SRS	**$38.71**	**-**	**$34.62**	**$36.72**	**$2.10**	**6.1%**
Education	0.10	-	0.10	-	-0.10	-100.0%
Infrastructure	38.18	-	34.22	36.42	2.20	6.4%

The legislative mandate for SRS, as stated in the National Science Foundation Act of 1950, as amended, is "…to provide a central clearinghouse for the collection, interpretation, and analysis of data on scientific and engineering resources and to provide a source of information for policy formulation by other agencies of the Federal Government…."

To meet this mandate, SRS, in its role as the federal statistical agency with responsibility to cover the S&E enterprise, provides policymakers, researchers, and other decision makers with high quality data and analysis on R&D, innovation, the education of scientists and engineers and the S&E workforce for making informed decisions. The work of SRS involves survey development, methodological and quality improvement efforts, data collection, analysis, information compilation, dissemination, web access and customer service to meet the statistical and analytical needs of a diverse user community, as well as preparation of the congressionally mandated biennial reports — *Science and Engineering Indicators (SEI)* and *Women, Minorities and Persons with Disabilities in Science and Engineering (WMPD).* The data collected by SRS serve as important tools for researchers in SBE's Science of Science and Innovation Policy (SciSIP) program and as the major component of the content of *SEI.*

The funding portfolio for SRS includes ongoing, cyclical surveys; reports and other products; and projects accomplished primarily through contracts and also a few standard grants.

Factors Influencing the Allocation Across SRS Programs

NSF investment will increase by $2.10 million to a total of $36.72 million in FY 2011.

- An increase of $900,000 will expand activities to develop improved data on innovation activities. As part of its SciSIP role, SRS will provide support for an improved data set on innovation activities in the U.S. SRS is developing a Microbusiness R&D and Innovation Survey for firms with less than five employees. SRS and the Statistics of Income Division of the Internal Revenue Service (IRS) have in place a Memorandum of Understanding to facilitate the collection. Data collection is expected to begin in late 2011.
- An increase of $1.0 million will support the start of full scale implementation of a data collection system on those in postdoctorate appointments in the academic sector, collecting basic socio-economic and demographic data, work characteristics data, country of Ph.D., and source of financial support by specific government agency. The resulting data will provide significantly improved estimates of foreign postdocs with non-U.S. PhDs and will provide comprehensive aggregate statistics for postdocs in the academic sector.
- In FY 2011, SRS will invest $200,000 to initiate a transition from its current online data systems to an alternative that provides users with access to its data through improved and more flexible interfaces.

With this change, SRS would move from multiple, incompatible custom-built data access systems to a commercial off- the-shelf single system.

- The new Business R&D and Innovation Survey (BRDIS) will be in its third fielding cycle in FY 2011. SRS will direct resources from the survey development phase to the development of an innovation module planned for the BRDIS 2011. In conjunction with the SciSIP program, SRS will update user needs requirements for business sector innovation data and explore how best to collect the necessary data.
- The SESTAT suite of surveys, which includes the National Survey of College Graduates (NSCG), National Survey of Recent College Graduates (NSRCG), and Survey of Doctorate Recipients (SDR), will be fielded in 2010 with a new sample design for the NSCG based on data collected on the American Community Survey (ACS). Once the NSCG sample redesign is fully operational (at least two cycles), the role of the NSRCG needs to be re-evaluated. In FY 2011, SRS will begin multi-year activities to assess the future role and scope of the NSRCG.

OFFICE OF MULTIDISCIPLINARY ACTIVITIES (OMA) $28,740,000
+$1,740,000 / 6.4%

OMA Funding
(Dollars in Millions)

	FY 2009 Omnibus Actual	FY 2009 ARRA Actual	FY 2010 Estimate	FY 2011 Request	Change Over FY 2010 Estimate Amount	Change Over FY 2010 Estimate Percent
OMA	**$18.91**	**$0.71**	**$27.00**	**$28.74**	**$1.74**	**6.4%**
Research	15.26	-	23.24	25.08	1.84	7.9%
Science of Learning Centers (SLC)	*6.50*	-	*12.90*	*12.90*	-	-
Education	3.45	-	3.47	3.37	-0.10	-2.9%

OMA provides a focal point for programmatic activities that cut across SBE disciplinary boundaries, including the agency-wide Science of Learning Centers (SLCs). OMA also funds Science of Science and Innovation Policy (SciSIP), $8.05 million; Research Experiences for Undergraduates (REU) Sites programs, $2.37 million; and Minority Postdoctoral Research Fellowships (MPRF), $1.0 million. Co-funding with other divisions in SBE and with divisions in other directorates is typical for OMA, as is participation in interagency activities. While all SBE divisions are expected to pursue an appropriate range of interdisciplinary work, OMA assists with seeding multidisciplinary activities for the future. All areas of SBE sciences are represented in the OMA portfolio.

In general, 50 percent of the OMA portfolio is available for new research grants. The remaining 50 percent funds continuing grants made in previous years, including all funding for SLCs.

The SLC program is the largest in OMA; it moved from Integrative Activities to SBE in FY 2010. OMA houses management of the six current SLCs, with matching co-funding from disciplinary partners in BIO, CISE, ENG, and SBE/BCS. SBE transferred programmatic responsibility for SciSIP, REU sites, and MPRF, previously shared by BCS and SES, to OMA in FY 2010, as well as providing additional funds for seeding transformative multidisciplinary research.

Factors Influencing the Allocation Across OMA Programs

- SBE provides multidisciplinary oversight for the SLC program, which ensures that all Centers are managed appropriately toward their goals and objectives, and develops appropriate mechanisms to share outcomes.
- Increases in funding for research and education grants and infrastructure are primarily for SciSIP and for seeding cross-directorate partnerships in research and education, including activities in the CTE and SEES portfolios.