Additional NSF Research Tools and Resources

International Activities at NSF
overview of international activites at NSF

Document Library

Data Tables
List of data tables

Interactive Data Tools
The new NCSES Interactive Data Tool provides centralized data access for custom generation of statistics related to the science and engineering enterprise. New data continue to be added throughout 2018 and 2019 in the interactive data tool to replace the WebCASPAR and SESTAT systems and to include other NCSES data. Currently the following surveys are available:Survey of Doctorate RecipientsSurvey of Graduate Students and Postdoctorates in Science and EngineeringData cover 1958 to present.

International Research Experiences for Students (IRES) program
The International Research Experiences for Students (IRES) program supports international research and research-related activities for U.S. science and engineering students. The IRES program contributes to development of a diverse, globally-engaged workforce with world-class skills. IRES focuses on active research participation by undergraduate or graduate students in high quality international research, education and professional development experiences in NSF-funded research areas.

Innovations at the Nexus of Food, Energy and Water Systems (INFEWS) program
The INFEWS program seeks to support research that conceptualizes FEW systems broadly and inclusively, incorporating social and behavioral processes (such as decision making and governance), physical processes (such as built infrastructure and new technologies for more efficient resource utilization), natural processes (such as biogeochemical and hydrologic cycles), biological processes (such as agroecosystem structure and productivity), and cyber-components (such as sensing, networking, computation and visualization for decision-making and assessment). Investigations of these complex systems may produce discoveries that cannot emerge from research on food or energy or water systems alone. It is the synergy among these components in the context of sustainability that will open innovative science and engineering pathways to produce new knowledge, novel technologies, and innovative predictive capabilities.

Partnerships for International Research and Education (PIRE) program
Partnerships for International Research and Education (PIRE) is an NSF-wide program that supports international activities across all NSF-supported disciplines. The primary goal of PIRE is to support high quality projects in which advances in research and education could not occur without international collaboration. PIRE seeks to catalyze a higher level of international engagement in the U.S. science and engineering community

NCSES Surveys
A vairety of NCSES surveys

[Science & Engineering Indicators 2018](#)
A broad base of quantitative information on the U.S. and international science and engineering enterprise

[Science of Learning: Collaborative Networks (SL-CN) program](#)
This solicitation invites proposals for the creation of new research networks to address important integrative questions in the science of learning. Each network must identify an integrative research goal involving convergence of evidence from the diverse disciplinary approaches represented by participants in the network. The proposed research must substantially advance understanding of learning in more than a single discipline. Networks may focus on advancing basic research through experiments and theory, as well as translating findings from basic research on learning to applications in order to benefit society and further inform fundamental theories of learning. This solicitation is for proposals that do not fit into existing NSF programs, by virtue of the emphasis on interdisciplinarity in service of knowledge consilience and integration.

[SESTAT (Scientists and Engineers Statistical Data System)](#)
SESTAT (Scientists and Engineers Statistical Data System) is a table-generation tool for data on the education and employment of the college-educated U.S. science and engineering workforce. These data are integrated in SESTAT from three NCSES-sponsored surveys: National Survey of College Graduates, National Survey of Recent College Graduates, Survey of Doctorate Recipients. Data cover 1993 to present.

[WebCASPAR](#)
WebCASPAR (Computer Aided Science Policy Analysis and Research Database System) is a table-generation tool for data on academic science and engineering resources at U.S. academic institutions. This tool was updated with new data for the last time in December 2017. There will be no new data added to WebCASPAR. Users may continue using WebCASPAR through the end of 2018. After that time, WebCASPAR data will be available in the NCSES interactive data tool.