

Social, Behavioral and Economic Sciences at NSF

June 2024

NSF Grants Conference

Trisha Van Zandt, Human Networks and Data Science Program

Jorge Valdes Kroff, Linguistics & Dynamic Language Infrastructure-Documenting Endangered Languages Programs, Build and Broaden

NSF Supports Multiple STEM Fields



Biological Sciences



Computer & Information Science & Engineering



STEM Education



Engineering



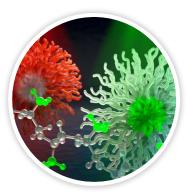
Geosciences (including Polar Programs)



Integrative Activities



International Science and Engineering



Mathematical & Physical Sciences



Social, Behavioral & Economic Sciences



Technology, Innovation & Partnerships



Directorate for Social, Behavioral and Economic Sciences (SBE)

Supports basic research on people and society

- human behavior across the lifespan
- social organizations
 - How social, economic, political, cultural and environmental factors affect the lives and behavior of people
 - How people shape those forces





SBE- Structure of the Directorate

Office of the Assistant Director



Kay H. Fealing Assistant Director



Evan Heit Acting Deputy Assistant Director



Division of Behavioral and Cognitive Sciences



Joan Sereno Division Director



Antoinette
WinklerPrins
Deputy Division
Director



Division of Social and Economic Sciences



Alan Tomkins
Acting Division
Director



Rebecca Ferrell Acting Deputy Division Director



National Center for Science and Engineering Statistics



Emilda Rivers Division Director



Christina Freyman
Deputy Division
Director



SBE Office of Multidisciplinary Activities

Program Directors & Admin Staff



SBE by the Numbers: FY 2023

19% Research grant 2,900 success rate FY 2023 \$307 M senior researchers actuals 390 750 other professionals awards 240 3,300 6,500 postdoctoral associates proposals people supported 1,330 graduate students 350 17,000 1,560 institutions proposal reviews undergraduate students supported



63% of federal funding for academic research in social and behavioral sciences

SBE Division of Behavioral and Cognitive Sciences (BCS)



BCS supports investigation within the psychological, linguistic, geographic, and anthropological sciences.

BCS Programs

Cognitive Neuroscience

Developmental Sciences

Linguistics*

Dynamic Language Infrastructure*

Perception, Action and Cognition

Science of Learning and Augmented Intelligence

Social Psychology

Human Environment and Geographical Sciences*

Human Networks and Data Science

Archaeology*
Biological Anthropology*
Cultural Anthropology*

* Programs that support Doctoral Dissertation Research Improvement (DDRI) grants

SBE Division of Social and Economic Sciences (SES)



SES invests in studies of how societies, organizations and economies function, including how decisions are made, how institutions function and how scientific and technological progress are pursued.

SES Programs

Accountable Institutions and Behavior
Decision, Risk and Management Sciences*
Economics*
Law and Science
Methodology, Measurement and Statistics*
Security and Preparedness

Science of Organizations
Science and Technology Studies*
Science of Science
Secure and Trustworthy Cyberspace
Sociology



SBE - Office of Multidisciplinary Activities (SMA)



SMA promotes undergraduate and postdoctoral training in the social, behavioral and economic sciences, including capacity-building at minority-serving institutions and the ethical conduct of scientific research.

SMA Programs

Build and Broaden

Centers for Research and Innovation in Science, the Environment and Society (CRISES)

Ethical and Responsible Research

SBE Research Experiences for Undergraduates Sites

SBE Postdoctoral Research Fellowships

Science of Broadening Participation



SBE - National Center for Science and Engineering Statistics (NCSES)



NCSES collects and reports data on the science and engineering workforce, U.S. competitiveness in science and technology and the progress of education in these fields.

- Broad Agency Announcements (BAAs)
- Research on the Science and Technology Enterprise: Indicators, Statistics and Methods



One of 13 principal federal statistical agencies

Overseen by the U.S. Chief Statistician within the White House Office of Management and Budget (OMB)



SBE – NCSES Surveys

FFRDC Research and Development Survey

Survey of Federal Funds for Research and Development

Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofits

Survey of State Government Research and Development

Higher Education Research and Development Survey

Survey of Science and Engineering Research Facilities

Annual Business Survey

Business Enterprise Research and Development Survey

Nonprofit Research Activities Survey

Early Career Doctorates Survey

National Survey of College Graduates

National Training, Education, and Workforce Survey

Survey of Doctorate Recipients

Survey of Postdocs at Federally Funded Research and Development Centers

Survey of Earned Doctorates

Survey of Graduate Students and Post-doctorates in Science and Engineering



Useful Terms:

- NSF Proposal & Award Policies & Procedures Guide (PAPPG)
- Dear Colleague Letter (DCL)
- Deadline vs. Target date vs. Target window
- Program Solicitation/Program Announcement
- Program Description (webpage)



SBE – Cross-Directorate Programs

- Centers for Research and Innovation in Science, the Environment and Society (CRISES NSF 24-074)
- Centers for Research in Excellence in Science and Technology (CREST NSF 23-595)
- Strengthening American Infrastructure (SAI NSF 24-519)
- Integrative Strategies for Understanding Neural and Cognitive Systems (NCS NSF 21-517)
- Accelerating Research Translation (ART NSF 23-558)
- Secure and Trustworthy Cyberspace (SaTC NSF 24-504)





SBE – Cross-Agency Programs

- Collaborative Research in Computational Neuroscience (NSF 20-609). NSF-NIH-DOE
- Smart Health and Biomedical Research in the Era of Artificial Intelligence and Advanced Data Science (NSF 21-530). NSF-NIH.
- Incorporating Human Behavior in Epidemiological Models (IHBEM NSF 24-507). NSF-NIH
- NSF Dynamic Language Infrastructure NEH Documenting Endangered Languages (DLI-DEL NSF 22-615). NSF-NEH



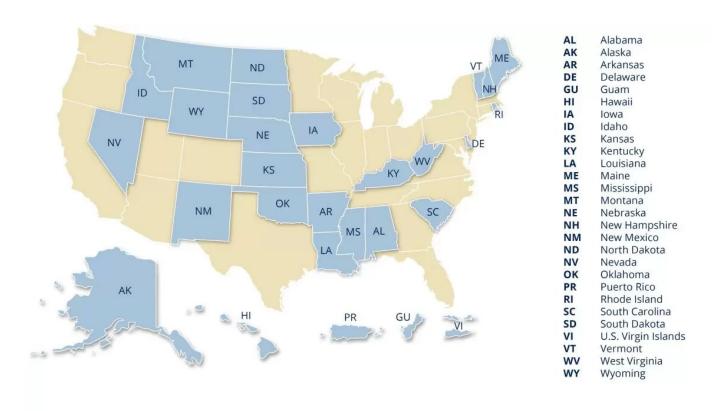
Kinds of Awards, "Mechanisms"

- Doctoral Dissertation Research Improvement Grants (DDRIGs)
- EAGER (EArly-concept Grants for Exploratory Research)
- RAPID (Rapid Response Research)
- Conference awards
- Research Coordination Networks (RCN)
- CAREER (Faculty Early Career Development Program)
- Mid-Career Advancement (MCA)
- Facilitating Research at Primarily Undergraduate Institutions (RUI)
- Supplemental awards (for current awards only)



A Few Words About EPSCoR Jurisdictions

EPSCoR Jurisdiction map





A Few Words about CAREER Proposals

- Final session of this Conference, June 5, 10:45am
- 2024 CAREER Program Informational Webinar May 20 (recording)
- CAREER Proposal Submission Logistics Webinar June 7
- July 24 deadline
- Presidential Early Career Awards for Scientists and Engineers
- Follow both the CAREER solicitation **and** the solicitation of the program that will handle the proposal.
- Co-PIs are not permitted
- CAREER funds come from a program's ordinary budget

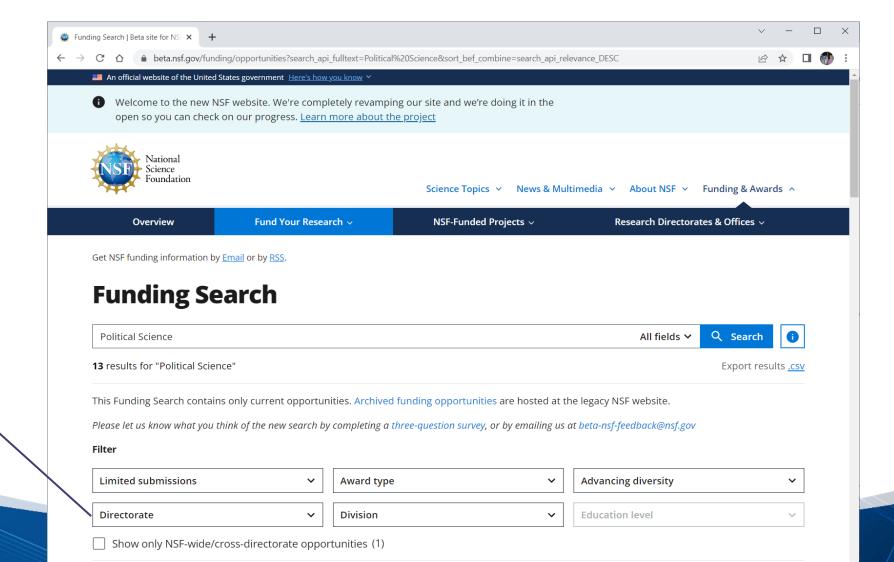


How to Find Programs

- NSF Funding Search to look for programs and their past awards. https://new.nsf.gov/funding/opportunities
- NSF Award Search (Simple and Advanced) to see what program funded a particular researcher and/or to search award titles and abstracts by keywords. https://www.nsf.gov/awardsearch/
- Subscribe to NSF Announcements and Newsletters to get information on programs and their outreach efforts like webinars. https://service.govdelivery.com/accounts/USNSF/subscriber/new?qsp=823

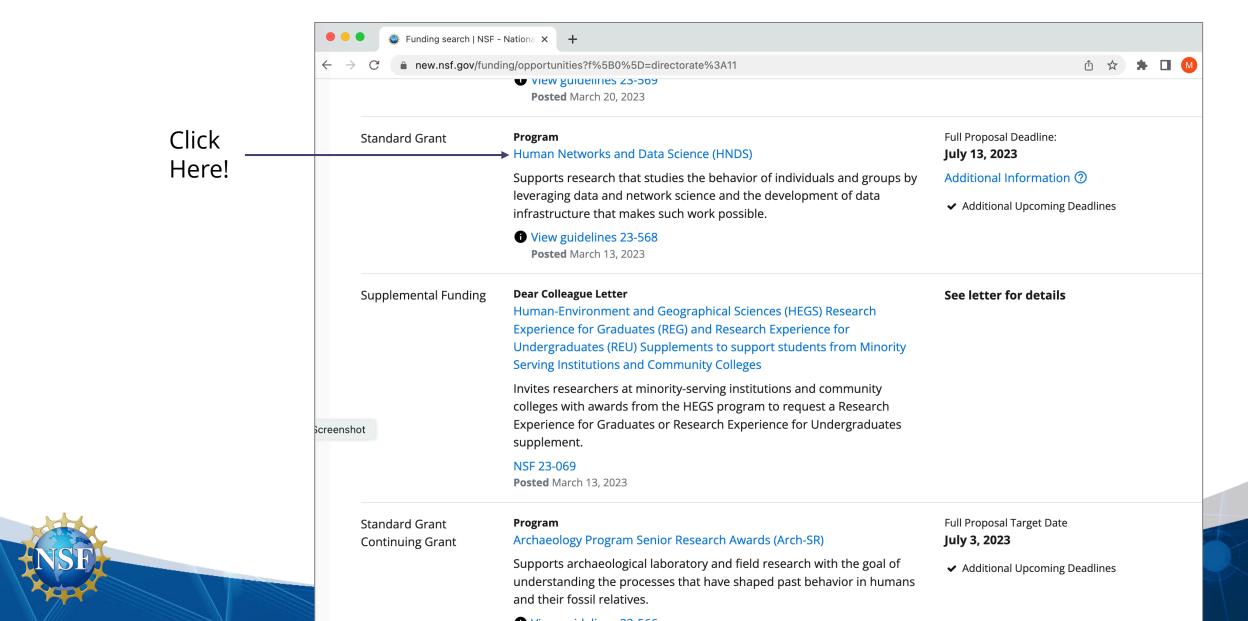


Using NSF's Funding Search Tool: beta.nsf.gov/funding/opportunities



Filter for SBE

The Results Include:



Using the Program Page

When is the proposal due?

Who are the ——program directors?

Click Here! -

Supports research and research infrastructure on issues broadly related to global and national security, including international conflict and dispute resolution, domestic political instability and civil war, and the security implications of climate change.

Synopsis

The Security and Preparedness (SAP) Program supports basic scientific research that advances knowledge and understanding of issues broadly related to global and national security. Research proposals are evaluated on the criteria of intellectual merit and broader impacts; the proposed projects are expected to be theoretically motivated, conceptually precise, methodologically rigorous, and empirically oriented. Substantive areas include (but are not limited to) international relations, global and national security, human security, political violence, state stability, conflict processes, regime transition, international and comparative political economy, and peace science. Moreover, the Program supports research experiences for undergraduate students and infrastructural activities, including methodological innovations. The Program does not fund applied research. In addition, we encourage you to examine the websites for the National Science Foundation's Accountable Institutions and Behavior (AIB) and Law and Science (LS) programs.

Program contacts

\ \ \	Paul Huth Program Director	phuth@nsf.gov	(703) 292-2802	SBE/SES
	Lee D. Walker Program Director	lwalker@nsf.gov	(703) 292-8760	SBE/SES
	Mauricia Barnett Social Scientist	mbarnett@nsf.gov	(703) 292-7309	SBE/SES
	Linh Nguyen Program Specialist	linguyen@nsf.gov	(703) 292-7270	SBE/SES

> Additional program resources

NSF programs to stop accepting proposals via FastLane website

Awards made through this program

Browse projects funded by this program

Upcoming due dates

Full proposal

2023

August 15 2023 - Target date C August 15, Annually Thereafter

2024

January 15 2024 - Target date © January 15, Annually Thereafter

Program guidelines

Apply to PD 19-118Y as follows:

Full proposals submitted via Research.gov: NSF Proposal & Award Policies & Procedures Guide proposal preparation guidelines apply.

Full proposals submitted via Grants.gov: NSF Grants.gov Application Guide: A Guide for the Preparation and Submission of NSF Applications via Grants.gov guidelines apply.

Share



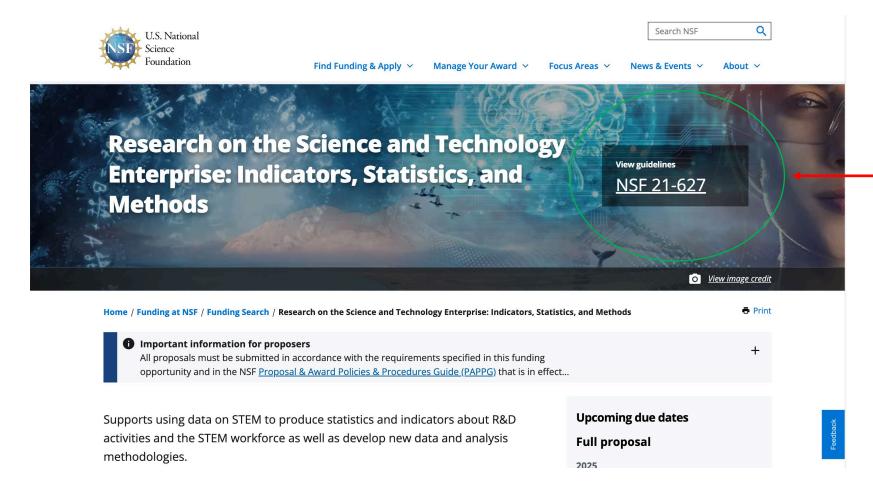




Published: August 29, 2019



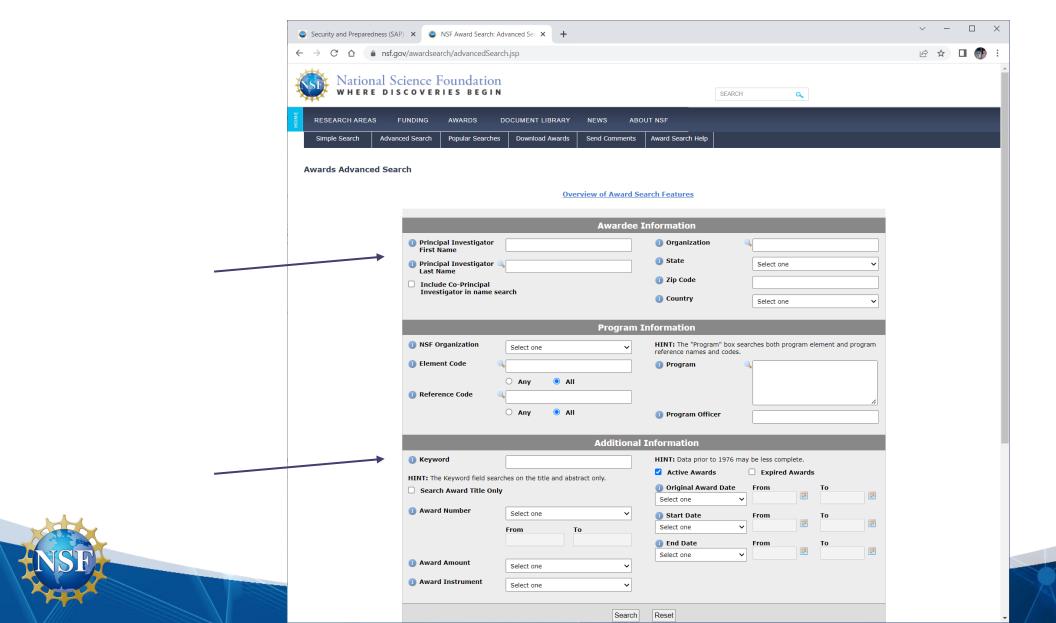
Using the Program Page: Solicitations



Some programs have solicitations



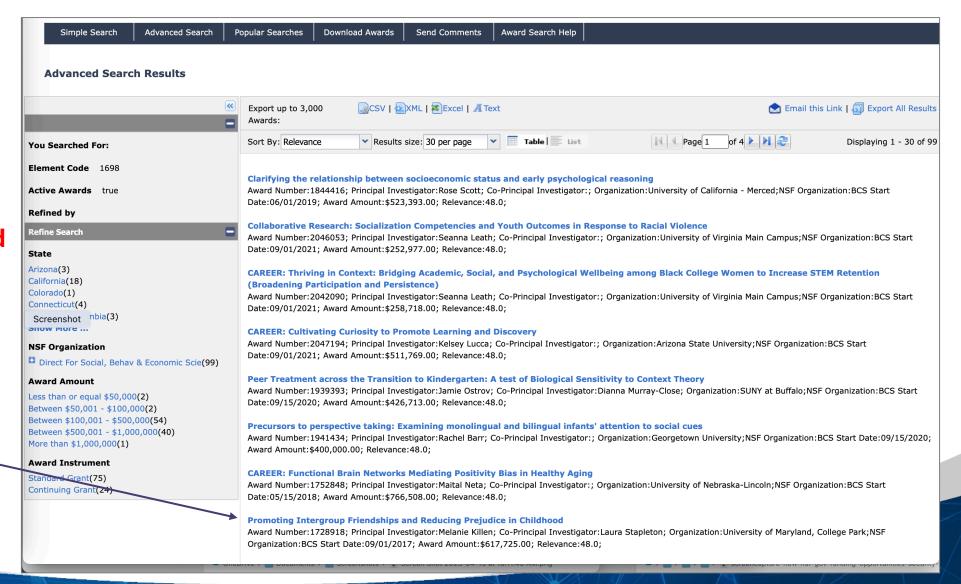
Advanced Award Search



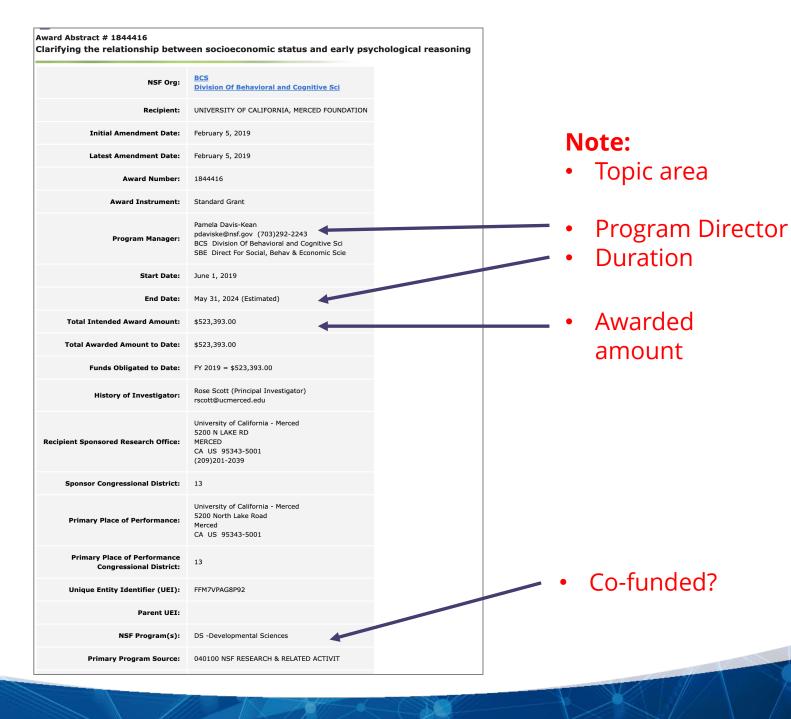
Award Search Results

What has been funded through a particular program?

Click on a title to get the abstract

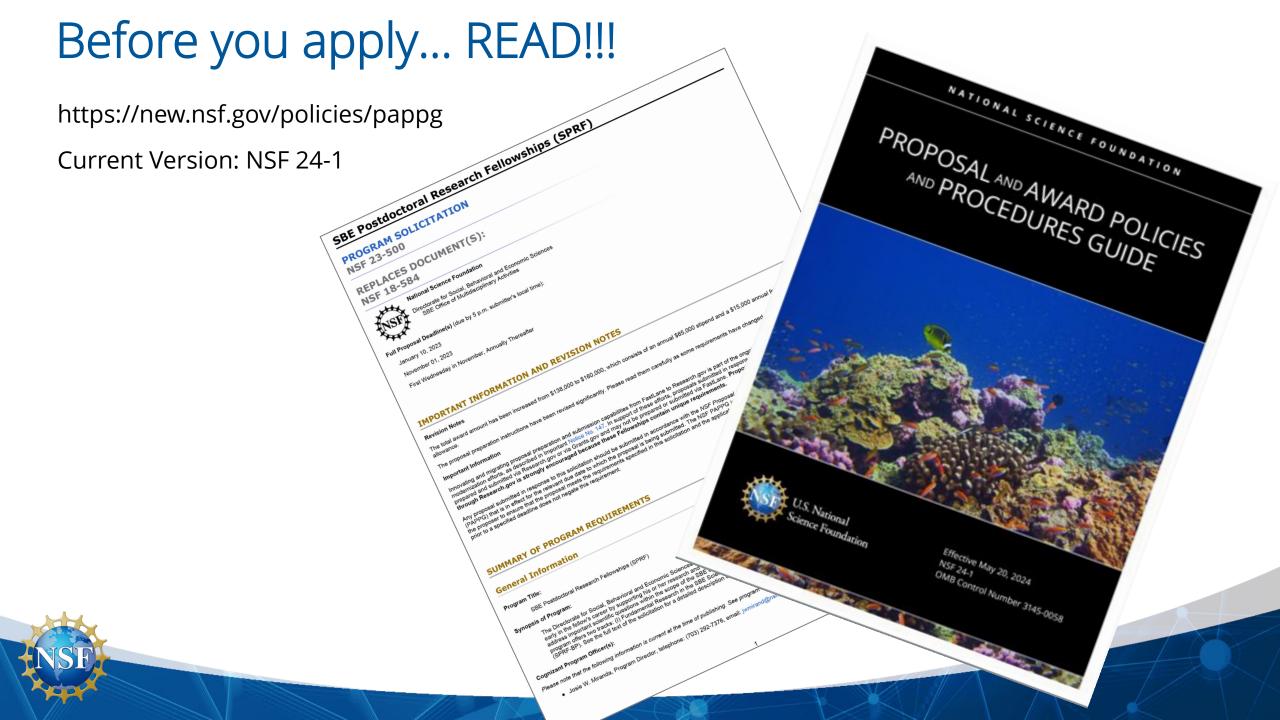


Abstract



Co-Review?

- Submit one proposal and *request* review by multiple programs (Note: some programs do not co-review)
- Choose programs on the Cover Page (Units of Interest in Research.gov)
- Program Directors can identify candidates for co-review
- Possible outcomes:
 - Both programs fund
 - Neither program funds
 - One program funds
- Reviews from multiple perspectives lead to better science.



Next Steps: Tips for Contact

After you have narrowed down to programs that match your area of research and you have read the program page (and solicitation, if applicable):

- Reach out to the Program Director by EMAILING a 1- or 2-page summary of your planned research project (IM and BI). Get feedback about project fit with program goals and ask any specific questions you have.
- Email RELEVANT programs and program directors in a SINGLE email. This is common for correspondence with NSF programs.
- Follow up if you haven't heard back in a week or two.
- Programs may offer Zoom appointments, office hours, or webinars as well.



Overlook key aspects of the program announcement and requirements.

Rely on advice from people who work only with other Directorates or from historical knowledge

Lack specificity about methods and/or data analysis plan.

_____ Dis

Unclear how hypotheses and potential results relate to relevant theory.

Disconnect between framing/motivation and proposed activity.

Failure to consider alternative results/hypotheses

Failure to establish feasibility.

Not tailoring your proposal to the appropriate audience (disciplinary vs. multidisciplinary panel).

Broader Impacts? Why should the taxpayer care?





NSF Merit Review Criteria

NSF 21-059

Dear Colleague Letter: A Broader Impacts Framework for Proposals Submitted to NSF's Social, Behavioral, and Economic Sciences Directorate

March 18, 2021

Dear Colleagues:

The National Science Foundation (NSF) supports fundamental research in the social, behavioral, and economic (SBE) sciences. This research empowers our Nation to address great challenges and seize transformative opportunities. Through scientific advances and subsequent applications of these advances, SBE-supported research strengthens security and preparedness, creates jobs, spurs innovation, and improves quality of life for people across the country and around the world.



Resources for considering Broader Impacts

- Center for Advanced Research Impact in Society (ARIS) Broader Impacts Toolkit: https://aris.marine.rutgers.edu/index.php
- DCL: Broader Impacts Framework for SBE Research https://www.nsf.gov/pubs/2021/nsf21059/nsf21059.jsp



ARIS Toolkit



SBE BI-Framework DCL



Thank You! Questions?

- It may be helpful if you start by telling me who you are and what your role is:
 - Political science faculty member at xxxxx.
 - Ph.D. student in Business Information Systems at xxxx.
 - I work in the Economics Department at zzzz and I help the faculty with grants.
 - I'm in the sponsored research office at yyyy.
 - I'm an Associate Provost for Research.

• Email address for follow-up correspondence: pvanzand@nsf.gov jvaldesk@nsf.gov

