New Funding Opportunities for Build and Broaden

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Sciences (SBE)

Presentation Outline

1. NSF Funding Submission Overview

   - Common myths about NSF funding review

   - Prospective PI Preparation Timeline

2. The Build and Broaden Program

   - Objectives, Summary, and Review Criteria

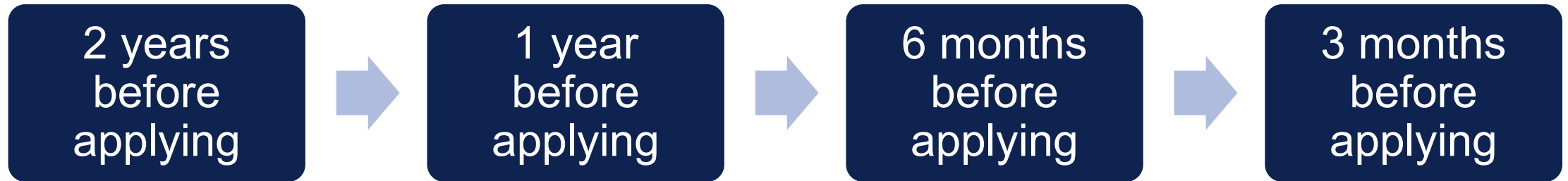3. Additional NSF funding opportunities

Common myths about NSF funding

1. NSF only funds scholars at elite institutions

2. NSF only funds "famous" academics

3. Once declined, always declined

4. Advisory committees make funding decisions

5. NSF is only interested in quantitative approaches

6. Qualitative and quantitative approaches are mutually exclusive

7. NSF proposals must have hypotheses

Preparation timeline for prospective PIs

| 2 years before applying | → | 1 year before applying | → | 6 months before applying | → | 3 months before applying |

- Not exhaustive
- Not meant to be a rigid schedule
  - Many of these suggestions are still applicable & beneficial in the weeks leading up to proposal submission

Get to know the "language of NSF"...

1. Find **copies of proposals** – both funded and unfunded
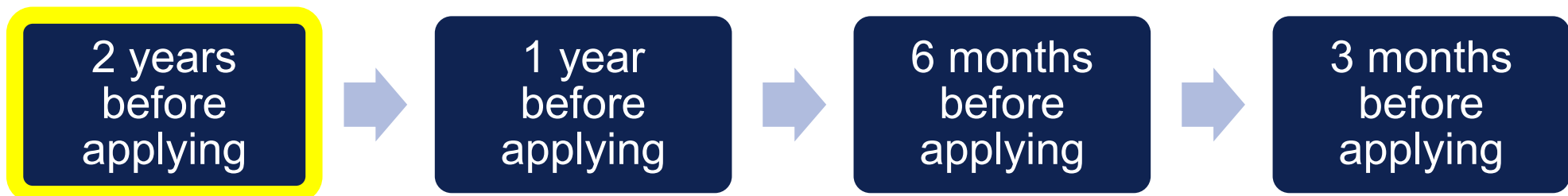
   - NSF cannot provide these

   - Read them alongside a relevant solicitation
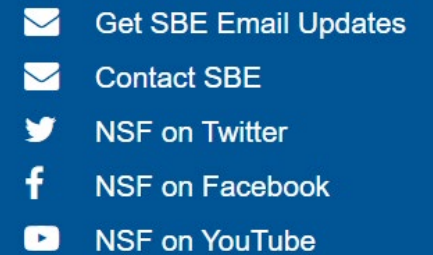
2. Consider serving as a **panelist or reviewer**

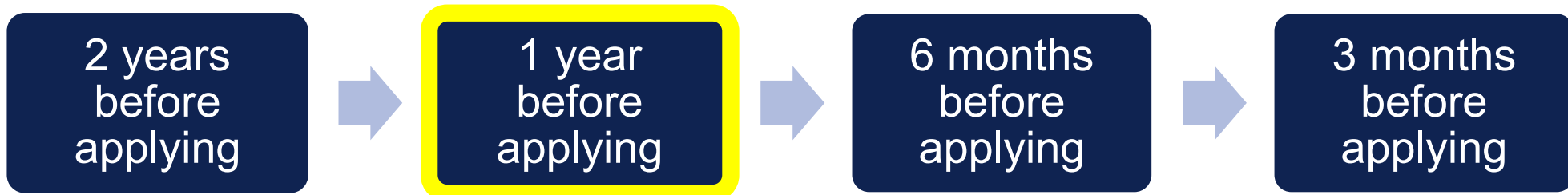   - Submit CV to program officer in your discipline for consideration

3. Sign up for **SBE email updates**

| 2 years before applying | → | 1 year before applying | → | 6 months before applying | → | 3 months before applying |

While developing your research ideas...

1. Read the **NSF 101** blog series

2. Get to know your **SRO** & the process of submitting grants at your institution, including ethical approvals

   - Understand your institution's workflow process

3. Identify what makes you, your institution, or research idea **unique** and consider how to best convey this in your proposal

4. Narrow down programs that will be the **best fit** for your research

| 2 years before applying | → | 1 year before applying | → | 6 months before applying | → | 3 months before applying |

NSF Funding Search

https://beta.nsf.gov/ funding/opportunities

Find funded projects and read abstracts

What has been funded through a particular program?

Export up to 3,000 Awards: CSV | XML | Excel | Text   Email this Link | Export All Results

Sort By: Relevance   Results size: 30 per page   Table | List   Page 1 of 3   Displaying 1 - 30 of 80

Build and Broaden: The Inaugural Conference of the Atlanta Network for Race, Ethnicity and Politics
Award Number:2037376; Principal Investigator:Andra Gillespie; Co-Principal Investigator:; Organization:Emory University;NSF Organization:SES Start Date:09/15/2020; Award Amount:$59,142.00; Relevance:48.0;

Build and Broaden: Growing Capacity in Southeast Alaska Indigenous Genomic Research Partnerships
Award Number:2037493; Principal Investigator:Alyssa Bader; Co-Principal Investigator:Ripan Malhi, Rosita Worl, Laura Weyrich; Organization:Sealaska Heritage Institute;NSF Organization:BCS Start Date:09/15/2020; Award Amount:$99,990.00; Relevance:48.0;

Build and Broaden: The Long-Term Impact of COVID-19 in Hispanic Communities in the Tri-State Area
Award Number:2038458; Principal Investigator:Katia Goldfarb; Co-Principal Investigator:Stephen Ruszczyk, Elizabeth Rivera Rodas; Organization:Montclair State University;NSF Organization:SES Start Date:09/01/2020; Award Amount:$82,329.00; Relevance:48.0;

Build and Broaden: Bridging Critical Research Collaborations for Faculty Success in Texas MSIs
Award Number:2036909; Principal Investigator:Colleen Fitzgerald; Co-Principal Investigator:Michael Ramirez, Jennifer Epley Sanders, Isabel Araiza; Organization:Texas A&M University Corpus Christi;NSF Organization:BCS Start Date:09/01/2020; Award Amount:$90,000.00; Relevance:48.0;

Build and Broaden: Build and Broaden Indigenous Agriculture and Food Sovereignty Symposium
Award Number:2037303; Principal Investigator:Daniel Cornelius; Co-Principal Investigator:Scott Herron, Valoree Gagnon, Martin Reinhardt; Organization:INTERTRIBAL AGRICULTURE COUNCIL INC;NSF Organization:BCS Start Date:01/01/2021; Award Amount:$99,610.00; Relevance:48.0;

ABSTRACT

This project funds the inaugural meeting of a new national research organization ,the Atlanta Network for Race, Ethnicity, and Politics (ANREP), comprised of political and social scientists living in and/or studying issues related to racial politics affecting the Southeastern United States. The purpose of this first meeting is to for attendees to critically evaluate workshop papers addressing theoretically-motivated research questions about the 2020 U.S. Presidential and Congressional elections and to provide professional development support to help attendees ultimately publish their papers. In addition, discussion will focus on institutionalizing the organizational framework and plans for the group. The conference goals align with NSF's mission to help advance the progress of science and the goal of diversifying the STEM community as it supports research on and by Americans who come from underrepresented racial and ethnic minority groups.

The proposed conference and network brings together scholars from Atlanta-area minority serving institutions, including historically Black colleges and minority-serving universities, with faculty from non-MSI research universities, to enhance scholarship, training, and career development in the study of race, ethnicity, and politics. The conference, held at Clark Atlanta University and Emory University in June 2021, uses the 2020 U.S. elections as substantive foci, the conference highlights research on and by African Americans, Hispanics, and Asian Americans. After a national call for papers, the proposed conference showcases 12 papers in four substantive panels, as well as a professional development panel on publishing.

This award reflects NSF's statutory mission and has been deemed worthy of support through evaluation using the Foundation's intellectual merit and broader impacts review criteria.
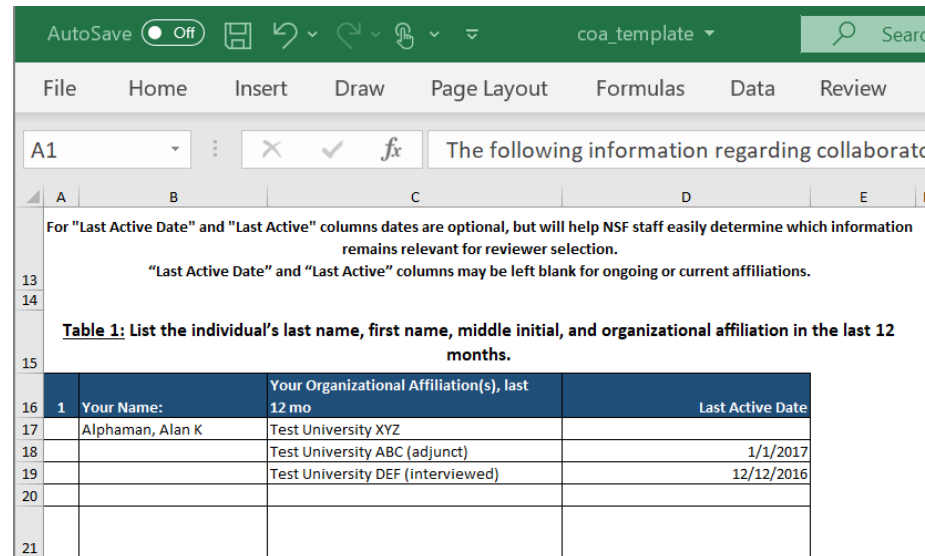
You can review the abstracts of awards made through a particular program.

Cover your bases…

1. Keep track of your **collaborators**

   - Prepare your Collaborators and Other Affiliations Information (COA) form early

| 2 years before applying | → | 1 year before applying | → | 6 months before applying | → | 3 months before applying |

Cover your bases (again)...

1. Keep track of your collaborators

   • Prepare your Collaborators and Other Affiliations Information (COA) form early

2. **Find more details** about the program you'd like to apply from the program PO

2 years before applying	→	1 year before applying	→	6 months before applying	→	3 months before applying
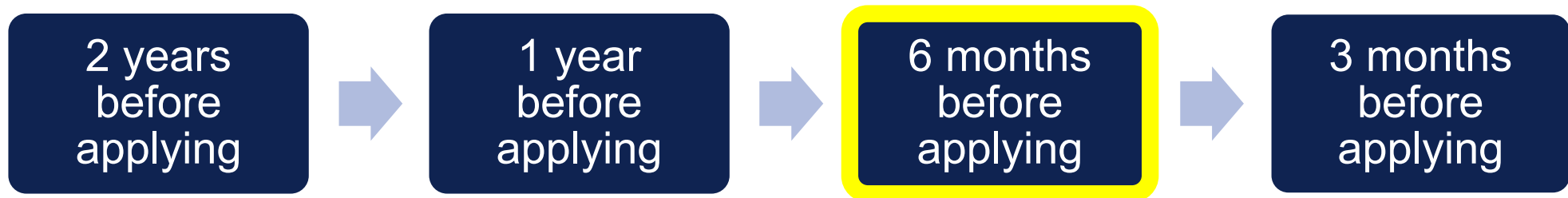
Find resources on the program page

Watch webinar recordings and read Frequently Asked Questions (FAQs)

Program contacts

General questions about proposal submission can be directed to any SBE program director associated with the relevant disciplinary area of the proposal. Specific inquiries regarding this program should be directed to the cognizant program officers listed above, or to the following e-mail address: sbe-buildandbroaden@nsf.gov.

Enrique S. Pumar

   Program Director   epumar@nsf.gov   (703) 292-5188

Alexander A. Romero II

   Program Specialist alromero@nsf.gov (703) 292-2184

Program webinars & office hours

Build and Broaden Informational Webinar - September 8, 2022

Build and Broaden Program Office Hours - August 23, 2022

Build and Broaden Program Office Hours - September 6, 2022

Build and Broaden Program Office Hours - September 20, 2022

Additional program resources

Sign up to be a reviewer for the Build and Broaden program

Frequently Asked Questions (FAQs) for Build and Broaden 3.0 Program Solicitation (NSF 22-027)

Cover your bases (even more).....

1. Keep track of your **collaborators**

   • Prepare your Collaborators and Other Affiliations Information (COA) form early

2. **Find more details** about the program you'd like to apply to

3. Have questions? **Contact the program officer**

   • Prepare a one-page synopsis of your project and submit to program officers for feedback

| 2 years before applying | → | 1 year before applying | → | 6 months before applying | → | 3 months before applying |
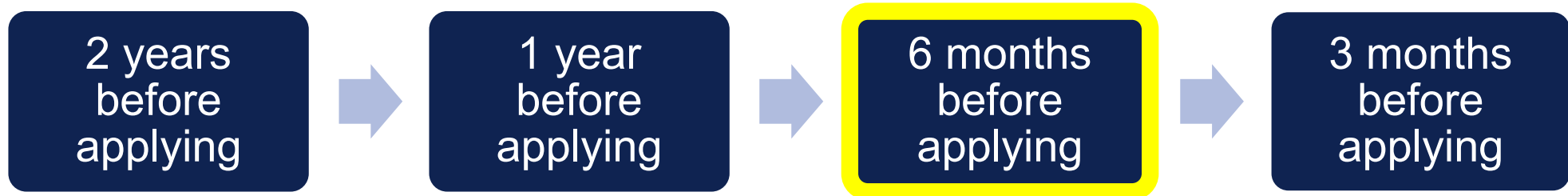
Example One-Pager

1. Overview ➡️
- Background
- Fit with program
- Research questions & hypotheses

2. Intellectual Merits ➡️
- Potential to advance knowledge and impact your field

3. Broader Impacts ➡️
- Potential to benefit society
- Contribution to achievement of specific societal outcomes

While polishing off your proposal…

1. Read and re-read the **program solicitation**

- Identify solicitation-specific preparation instructions & review criteria

V. PROPOSAL PREPARATION AND SUBMISSION INSTRUCTIONS

A. Proposal Preparation Instructions

Full Proposal Preparation Instructions: Proposers may opt to submit proposals in response to this Program Solicitation via FastLane, Research.gov, or Grants.gov.

PROJECT SUMMARY

As described in the PAPPG, the Project Summary must include an overview of the project, a statement of intellectual merit, and a statement on the broader impacts of the project. If a partnership including an MSI or among MSIs is proposed, the proposal must also list information about the participating organization(s) and research discipline(s), as well as a statement describing the proportion of requested support to be spent on the MSI(s). Please include the following information as a bulleted list in the Overview section at the beginning of the project summary:

- Participating MSI(s)
- Description of the MSI(s) and MSI proportion of requested support
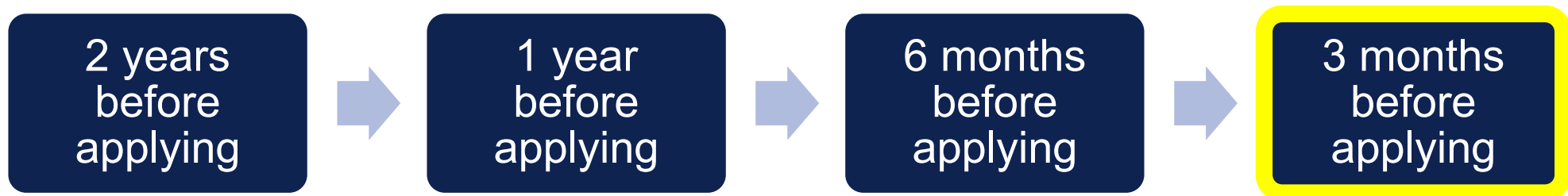- Research discipline(s) advanced by the project

PROJECT DESCRIPTION

Follow PAPPG guidelines when writing the Project Description. Under the "**Broader Impacts**" section, explain how the proposed research and associated activities will enhance career development, research trajectories, collaborative research networks, or professional training for faculty and students at the participating MSI(s).

Please also include the following additional separate sections in the Project Description:

Additional Solicitation Specific Review Criteria

B2 2.0 proposals will also be evaluated on the following:

- Intellectual quality of the proposed research and associated activities in research areas supported by SBE
- Potential of the proposed project to increase the quantity, quality, and capacity of research at the participating MSI(s)
- Impacts of the project upon the professional development of faculty and students at the participating MSI(s)
- If a partnership is proposed and the proposal is being submitted by more than a single PI at an MSI, the nature of the partnership among the participating institutions and investigators

| 2 years before applying | → | 1 year before applying | → | 6 months before applying | → | 3 months before applying |

While polishing off your proposal (continued)...

Read the documentation posted in the program webpage

- Identify solicitation-specific preparation instructions & review criteria

- Consult the **PAPPG**

- Attend outreach events

  - Office hours and webinars

2 years before applying	→	1 year before applying	→	6 months before applying	→	3 months before applying

While polishing off your proposal…continued

4. Make sure **bio sketch** is updated

5. Make sure all **ancillaries** are completed

   - Facilities, Equipment, & Other Resources (FER); Current & Pending Support, etc.

6. Make sure **ethical approvals** are in the works

   - You do not need to have approval at the time of proposal submission

7. Get any **letters of collaboration** in order

   - Follow directions in the solicitation and PAPPG

8. Hound your **research office** and pay attention to **internal deadlines**

| 2 years before applying | → | 1 year before applying | → | 6 months before applying | → | 3 months before applying |
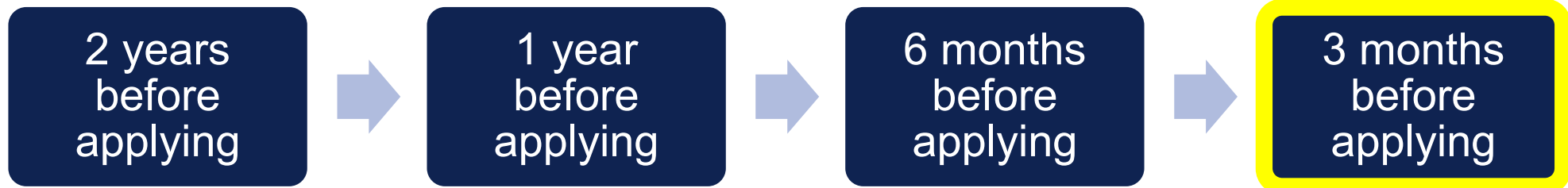
Review of the Build and Broaden (B2) Program Goals

Expand the number of proposal submissions from minority-serving institutions (MSIs)

Increase the number of partnerships and collaborative proposals between MSIs and non-MSIs

Enhance research productivity, infrastructure and capacity in SBE sciences at MSIs

Program details

- Full proposal target date: **FY 2023 TBA/Expected third week of January**

- Anticipated number of awards: 25 – 30
    - There are **no limits** on individual award funds or duration

    - An individual may be the PI or co-PI for **only one proposal**

- Types of awards supported:
    - Standard grants
    - Collaborative proposals
    - Early-concept Grants for Exploratory Research (EAGER)
    - Research Coordination Network (RCN)
    - Conference proposals

- Proposals may address **any scientific area supported by SBE**
    - Infrastructure, capacity-building, training may be included, but not as primary objective
    - These activities should support, not supersede, the goals of the research

- Contact the Program Officer with questions about the fit of your research project

SBE Core Programs

SBE Office of Multidisciplinary Activities (SMA)

- Research Experiences for Undergraduates Sites
- SBE Postdoctoral Research Fellowships
- Ethical and Responsible Research

Behavioral and Cognitive Sciences (BCS)

- Archaeology and Archaeometry
- Biological Anthropology
- Cultural Anthropology
- Cognitive Neuroscience
- Developmental Sciences
- Perception, Action and Cognition
- Science of Learning and Augmented Intelligence
- Social Psychology
- Human-Environment and Geographical Sciences
- Linguistics
- Human Networks and Data Science

Social and Economic Sciences (SES)

- Economics
- Accountable Institutions and Behavior
- Security and Preparedness
- Sociology
- Law and Science
- Decision, Risk and Management Sciences
- Science of Organizations
- Science and Technology Studies
- Methodology, Measurement, and Statistics
- Science of Science: Discovery, Communication, and Impact

National Center for Science and Engineering Statistics (NCSES)

- Human Resources Statistics Program
- Research and Development Statistics Program
- Science and Engineering Indicators Program
- Information and Technology Services Program
- Research on the Science and Technology Enterprise: Statistics and Surveys

Eligibility: MSIs and Collaborative Partnerships

- NSF strongly encourage proposals from MSIs that have received fewer than $25,000,000 total in NSF awards or fewer than $3,000,000 total in SBE awards within the previous five years

  - Historically Black colleges and universities (**HBCU**)

  - Hispanic-serving institutions (**HSI**)

  - Tribal Colleges and Universities (**TCU**)

  - Alaska Native-serving institutions and Native Hawaiian-serving institutions (**ANNH**)

  - Predominantly Black Institutions (**PBI**)

  - Asian American and Native American Pacific Islander-serving institutions (**AANAPISI**)

  - Native American-serving non-tribal institutions (**NASNTI**)

B2 3.0 Project Summary

Must include three **labeled** sections:

1. <u>Overview</u> of the project, beginning with the following:
    1. **List of Participating MSI(s)**
    2. **Description of the MSI(s)** and MSI proportion of requested support
    3. **Research discipline(s)** advanced by the project

2. A statement on the <u>Intellectual Merits</u> of the project

3. A statement on the <u>Broader Impacts</u> of the project

B2 3.0 Project Description

1. **Intellectual Merit**: Explain how the proposed work **advances understanding/basic science** in one or more core SBE science areas

2. **Broader Impacts**: Explain how the project will enhance career development, research productivity and trajectories, collaborative research networks, or professional training for faculty and students at the participating MSI(s)

3. **Nature of Partnership and Investigator Roles**: If the proposal includes a partnership*, detail the **nature of the research partnership** between all institutions and describe **the roles** of each PI, co-PI, Senior Personnel, and collaborator.

    - Proposals submitted by <u>PIs not based at an MSI</u> must also:
        - Describe clearly **the nature of the partnership** with the participating MSI(s)
        - Include efforts to **ensure true collaborations** among MSI and non-MSI participants

    If proposal is submitted by a single PI, write "does not apply" in this section

Budget & Justification

- Ask for what you **need** to execute the project

- Justify **all costs** and provide enough detail

- For collaborations, **at least 50%** of the project's direct costs must go to the participating MSI(s)

- Talk over the proposed budget with **the university/college officials** who ultimately submit the proposal

- If the proposal is selected for funding, **program officers do work with applicants** on adjusting the proposed budget as needed

Budget & Salary

- Program officers are attentive to **how much of the requested budget** goes to salary, research costs, and costs to support broader impacts

- Proposals may include limited requests for resources to enable researchers at MSIs to be **full and equal partners**

- Salary compensation could enable a **reduction in teaching** responsibilities (aka "teaching buyouts")
  - You can request buyout if it is required to successfully pursue the proposed research

- NSF does not typically pay for more than 2 months of salary, but **exceptions are possible**

- Please refer to the **PAPPG** for full guidelines on salaries and wages, and contact program officers and university officials for further guidance

How will B2 3.0 proposals be reviewed?

B2 Review Process:

- Panel Review

- Ad hoc as necessary

- Co-review
  - Suggest programs

Please suggest reviewers for your proposal!

Solicitation Specific Review Criteria

Proposals will be evaluated based on:

- **Intellectual quality** of the proposed research and associated activities in **research areas supported by SBE**

- Potential of the proposed project to increase the **quantity, quality, and capacity of research** at the participating MSI(s)

- Impacts of the project upon the **professional development** of faculty and students at the participating MSIs

- If a partnership is proposed, the **nature of the partnership** among the participating institutions and investigators

ADDITIONAL FUNDING OPPORTUNITIES

NSF Funding Search

https://beta.nsf.gov/funding/opportunities

Broadening Participation, Equity, Diversity, and Inclusion

https://www.nsf.gov/news/factsheets/NSF_BP_FS_508.pdf

NSF Broadening Participation Portfolio

https://www.nsf.gov/od/broadeningparticipation/bp_portfolio_dynamic.jsp

Interested in Reviewing Proposals?

If you are interested serving as reviewer, please complete the following questionnaire. The information you provide will be kept confidential and will only be employed to assure we achieve a diverse pool of reviewers.

You will be contacted by NSF staff only if we need someone with your background to serve in a merit review panel or as an ad hoc reviewer.
https://www.surveymonkey.com/r/BB2PotentialReviewerSurvey

Other Important Notes

Research.gov is being developed incrementally, and features are expanding to support the transition of all proposal preparation and submission functionality from FastLane to Research.gov by a target date of December 31, 2022

Questions?

Contact information:

Build and Broaden email: sbe-buildandbroaden@nsf.gov
Enrique S. Pumar, Program Director, email: epumar@nsf.gov
Alex Romero, Program Specialist, email: alromero@nsf.gov