

## **South Dakota NASA EPSCoR Program Guidelines for Submission of Preproposal for Major Research Grants**

This is the call for preproposals for the FY 2024 South Dakota NASA EPSCoR Major Research Grant competition. NASA has not yet released the FY 2024 NOFO (Notice of Funding Opportunity), but it will likely be similar to the FY 2023 version (see link below). The FY 2023 RFP also includes valuable information on NASA research priorities and NASA research contacts.

- FY 2023 NASA EPSCoR Research Announcement (most recent NASA RFP)

South Dakota research teams have been successful in this program at the national level. Since 2007, the state has submitted 21 proposals to NASA and 14 have been funded. Recently, South Dakota proposals were selected in the FY 2021 and FY 2023 competitions.

NASA intends to release the new RFP August 17, 2023, with a due date for the full proposal of November 15, 2023. South Dakota can submit one full proposal to NASA. The maximum request per proposal is \$750,000 with a three-year period of performance. Cost-sharing is required at a level of 50% with non-federal funds (i.e., \$750,000 NASA : \$375,000 match).

Each funded NASA EPSCoR proposal is expected to establish research activities that will make significant contributions to the strategic research and technology development priorities of one or more of the NASA Mission Directorates and contribute to the overall research infrastructure, science and technology capabilities, higher education, and economic development of the state of South Dakota.

The SD NASA EPSCoR Steering Committee requests that interested researchers complete the attached Preproposal Form and submit it no later than **4:00 pm Mountain Time on August 4, 2023.** US citizenship is not required.

Preproposals will be reviewed by the SD NASA EPSCoR Steering Committee. It is anticipated that the review will be completed by mid-August, and the committee will invite 1-2 research groups to develop full proposals prior to the deadline for submission to NASA, November 15, 2023. A maximum of one proposal will then be forwarded to NASA.

To submit a preproposal to the South Dakota NASA EPSCoR Steering Committee use the following forms:

- SD NASA EPSCoR FY 2024 Major Research Grant preproposal form
- SD NASA EPSCoR current and pending support form (or equivalent NSF form)

### **Guidance for proposal preparation:**

1. Proposals must identify research that addresses NASA priorities.
2. Support and/or collaboration with one or more NASA scientists or engineers is essential.
  - a. A NASA support letter (meaning a science/engineering contact) from a NASA Center is essential. Multiple letters from different centers are encouraged.
  - b. If possible, the NASA collaboration should be very specific -- visits to NASA Centers to use facilities, exchanges of samples, student visits, etc. The more detailed the interaction, the better the indication of real interest on the part of the NASA collaborators.
  - c. Support letters should be dated no earlier than 90 days prior to proposal submission. Older support letters will not be accepted.
3. Proposals should also attempt to address state priorities and diversity. See “The South Dakota Science and Innovation Strategic Plan,” April 2022: <https://sdepscor.org/wp-content/uploads/2022/05/SD-EPSCoR-Strategic-Plan.pdf>.
  - a. Collaboration of two or more South Dakota universities is strongly encouraged; however, proposals involving a single university will be considered.
  - b. A tribal college research and/or education outreach component is extremely valuable.
  - c. Note: SD NASA EPSCoR funds may not be used for direct support of out-of-state collaborators if those collaborators are in non-EPSCoR states; however, SD NASA EPSCoR funds may be used to support collaborators in other EPSCoR states
4. Current or past NASA EPSCoR awardees may participate in new proposals, but the proposals should highlight research personnel and research themes that are distinct from the prior effort (see attachment for specific eligibility restrictions):
  - Selection criteria and PI and Co-I eligibility restrictions 2023
5. Projects will have a three-year period of performance with total NASA funding of \$750,000.
  - a. The amount of required non-federal cost-sharing is 50% of the NASA amount (\$375,000).

### **Useful links for NASA EPSCoR and NASA research contacts:**

NASA Space Technology Mission Directorate Principal Technologists:  
<https://www.nasa.gov/content/stmd-principal-technologists>

NASA Center Higher Education Contacts:  
<https://www.nasa.gov/stem/contacts/centers.html>

Information on NASA EPSCoR, including titles of recent awards:  
<https://www.nasa.gov/stem/epscor/research/index.html>

2020 NASA Technology Taxonomy (formerly Space Technology Roadmaps and Technical Areas):

<https://www.nasa.gov/offices/oct/taxonomy/index.html>

Additionally, current NASA research priorities are compiled in the accompanying document

- EPSCoR 2023 Research Appendix A NASA Mission Directorates and Center Alignment

**Direct questions on this opportunity to:**

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