

## **South Dakota NASA EPSCoR Program Guidelines for Submission of Pre-Proposal for Major Research Grants**

This is the Call for Pre-proposals for the FY 2017 South Dakota NASA EPSCoR Major Research Grant competition. NASA has not released the FY 2017 CAN (Cooperative Agreement Notice), but it will likely be similar to the FY 2016 version, which is linked:

- **FY 2016 NASA EPSCoR Research RFP**

To submit a pre-proposal to the South Dakota NASA EPSCoR Steering Committee use the attached form:

- **SD NASA EPSCoR FY 2017 Major Research Grant pre-proposal form**

This year 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.

Objectives of the NASA EPSCoR Program are outlined at:

- <http://www.nasa.gov/offices/education/programs/national/epscor/home/>

Abstracts of proposals funded by NASA EPSCoR in FY 2016 can be found at:

- **Abstracts of FY 2016 NASA EPSCoR Research Awards**

State of South Dakota research priorities are described in the “*2020 Vision: The South Dakota Science and Innovation Strategy*” available at:

- <http://sdepscor.org/2020vision/>

NASA is especially interested in experiments that will utilize the International Space Station

- [http://www.nasa.gov/mission\\_pages/station/research/index.html](http://www.nasa.gov/mission_pages/station/research/index.html)

The SD NASA EPSCoR Steering Committee requests that interested researchers complete the attached Pre-proposal Form and submit it no later than **4:00 pm Mountain Time on December 16, 2016**. US citizenship is not required.

Pre-proposals will be reviewed by the SD NASA EPSCoR Steering Committee. It is anticipated that the review will be completed by January 20, 2017 and the committee will invite 1-2 researchers or research groups to develop full proposals prior to the deadline for submission to NASA, which is expected to be in late February or early March. A maximum of **ONE** proposal will be forwarded to NASA.

General guidance on developing a pre-proposal is provided below. For additional details and eligibility restrictions, see the attachment:

- **Selection criteria and PI and Co-I eligibility restrictions**

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 strong NASA support letter (meaning a science/engineering contact) from a NASA Center is essential.
  - 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.
3. Proposals should also attempt to address state priorities and diversity and should involve collaboration of two or more institutions in the state. (See “2020 Vision: The South Dakota Science and Innovation Strategy” <http://sdepescor.org/2020vision/>.)
  - a. A multi-institution proposal is strongly recommended (more than one South Dakota university).
  - b. A tribal college research and/or education outreach component is extremely valuable.
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**
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).

Direct questions on this opportunity to:

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