



ND NASA EPSCoR
FACULTY SEED RESEARCH OPPORTUNITIES
FUNDS AVAILABLE: Up to \$83,000
Issued: March 4, 2013
Deadline: Noon, March 27, 2013

TO: NDSU and UND Faculty in Sciences, Engineering, and Mathematics
FROM: Dr. Santhosh Seelan, Director, ND NASA EPSCoR
RE: ND NASA EPSCoR Faculty Seed Research Opportunities

North Dakota NASA EPSCoR is currently soliciting faculty seed research proposals from University of North Dakota (UND) and North Dakota State University (NDSU) faculty in physical sciences, engineering, and mathematics. Seed research proposals are designed to help faculty gain experience in formulating high-quality, rigorous research programs that have significant potential for external funding following the award period.

Awards require 1:0.5 non-federal match from the PI, meaning, the PI must supply \$0.50 in match for every \$1 from ND NASA EPSCoR. Matching sources must comply with the requirements listed in Circular A-110. Acceptable sources of match include non-federal expenditures (i.e. salary, fringe, operating, etc.). NDSU PIs must state in the budget summary that any PI salary used as match occurs during the academic year. UND PIs that use salary as match must include the pay period(s), percent of effort, and source of faculty salary including a fund and department number. Expenditures (salary, fringe, operating, etc.) used as match must be incurred during the time period of the award. All awards require: 1) an end-of-year award report to be filed with the ND NASA EPSCoR office, and 2) submission of a regular research proposal to NASA or NSF within 12 months of the end of the seed research funding. Failure to submit a regular research proposal to NASA or NSF will preclude the PI from further funding via ND NASA EPSCoR.

Preference will be given to research areas of relevance to North Dakota and proposals that align with ND NASA EPSCoR research priorities, which include planetary space suit research, astronomical/planetary sciences research, earth sciences research, and materials science research. Preference will also be given to beginning, untenured faculty who have not yet received a ND NASA EPSCoR award. One major goal of the ND NASA EPSCoR program is to establish and nurture niche, NASA-related research focus areas in North Dakota that will attract additional NASA research funding to the state. Travel can be proposed to NASA Centers, to develop collaborative ideas. This must be clearly indicated in the seed research proposal.

The sources of funds for this RFP are NASA and ND cost share. We anticipate up to two or three awards at each campus. Faculty seed research funds will be available beginning April 16, 2013, and must be spent no later than April 15, 2014. Proposers are encouraged to utilize the 2013 NRA Proposers Guidebook for guidance, which can be found at: www.hq.nasa.gov/office/procurement/nraguidebook

Checklist Requirements (submit in the following order):

1. Cover page that lists principal investigator (PI) contact information, amount of funding request, department chair signature, and a statement that the PI has/has not received ND NASA EPSCoR funding since April 16, 2011. All proposals must be routed through Department Chair, Dean's office and Grants and Contracts (UND applicants); Sponsored Programs Administration (NDSU applicants) for signatures. Use the Cover page available at: <http://www.ndsu.edu/epscor/rfps/documents/NasaSeedCovShtpdfForm10.pdf>.

Both NDSU and UND PIs must complete the proposal transmittal form located at:

(NDSU) http://www.ndsu.edu/research/sponsored_programs_administration/forms.html

(UND) <http://und.edu/research/resources/all-forms.cfm>

2. A 5-10 page description of the proposed research that includes the following items:
 - Description of the primary research question and/or purpose
 - Description of the methodological approach and techniques
 - Relevance to NASA
 - Preliminary research results, if applicable
 - Nature and extent of collaborations with NASA personnel
 - Contact information of NASA collaborators

- Letter from NASA collaborators that will contribute to this research
 - Description of the PI's plan to secure future NASA funding after any NASA EPSCoR funding
 - Reference list, as appropriate
3. A detailed budget. Use the Budget Summary form located on the Web at www.ndsu.edu/epscor/rfps/NASAFacSeedResOpp2013.htm Include a one-page budget narrative along with the Budget Summary that itemizes, describes, and justifies each budget item. Include a separate, more detailed budget, if necessary, to provide sufficient detail.

NDSU applicants: Upon review by Sponsored Programs Administration, submit original and two copies (all stapled) of proposal to ND EPSCoR office at Research One, Suite 142, AND an electronic submission of the proposal as a single, unlocked PDF file to Melanie Hepper at mhepper@aero.und.edu by **Noon, March 27, 2013**.

UND applicants: After Grants & Contracts has reviewed, submit the original and two stapled copies of proposals to Melanie Hepper, Odegard Hall Room 242, 3980 Campus Road, Stop 9007, Grand Forks, ND 58202-9007 by **Noon, March 27, 2013**. Also, an electronic submission of the proposal as a single, unlocked PDF attachment must be sent to Melanie Hepper at mhepper@aero.und.edu.

Questions regarding this announcement can be addressed to Santhosh Seelan, Director, ND NASA EPSCoR, seelan@space.edu 701-777-2355 or Melanie Hepper at mhepper@aero.und.edu 701-777-4043.