



Experimental Program to
Stimulate Competitive Research

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**ND NASA EPSCoR
FACULTY SEED RESEARCH OPPORTUNITIES**

FUNDS AVAILABLE: Approximately \$48,000

Issued: September 9, 2008

Deadline: Noon, October 1, 2008

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

North Dakota NASA EPSCoR is currently soliciting faculty seed research proposals from North Dakota State University (NDSU) and University of North Dakota (UND) 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 non-NASA EPSCoR funding following the award period.

Awards require 1:4 match from the PI. Acceptable sources of match include state-appropriated faculty salary and cash. NDSU PIs must state any PI salary for match is during the academic year in the budget summary. UND PIs must include dates of the pay period being used for match, percent of effort, and source of faculty salary including a fund and department number. All sources of match can only be applied to the time period of the award. All awards require: 1) an end-of-year award report to be filed with the ND 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.

Submissions must also be consistent with one or more components of the 2006 NASA Strategic Plan, which can be found here: www.nasa.gov/pdf/142302main_2006_NASA_Strategic_Plan.pdf

Preference will be given to proposals that align with ND NASA EPSCoR research priorities, which include planetary space suit research, astronomical/planetary sciences research, materials research, earth sciences, and other research areas that can be identified as offering significant potential for expansion in North Dakota. 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. Visit the ND NASA EPSCoR web site for more information at: www.ndnasaepscor.space.edu.

Faculty seed research funds will be available beginning October 15, 2008, and must be spent no later than April 30, 2009. Proposers are encouraged to utilize the 2008 NRA Proposers Guidebook for guidance, which can be found here: 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 July 1, 2007.
2. Proposal Transmittal Form. UND PIs complete a Proposal Transmittal Form and route the proposal through department, college, Grants & Contracts, and Research Development & Compliance (RD&C) for approval. The form can be found at: www.und.edu/dept/rdc/InternalForms.htm. NDSU proposals require a signed proposal transmittal form by the request of the EPSCoR Office when awards are made. If the PI is also submitting a GRA proposal to ND NASA EPSCoR, then the research and GRA proposals should not be identical, but should be treated as independent proposals.
3. A 5-10 page description of the proposed research that includes the following items:
 - a. Description of the primary research question and/or purpose
 - b. Description of the methodological approach and techniques
 - c. Relevance to NASA

- d. Preliminary research results and implications, if applicable
 - e. Nature and extent of collaborations with NASA personnel
 - f. Contact information of NASA collaborators, if any
 - g. Letter from NASA collaborators that will contribute to this research, if any
 - h. Reference list, as appropriate
4. A detailed budget. Use the Budget Summary form at this web site: www.ndepscor.nodak.edu/rfps/documents/NASABudgetform04220051206_001.doc. 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. A lack of sufficient budget detail will adversely impact the evaluation of a proposal.

Original and three stapled copies of proposals are due in the UND or NDSU ND EPSCoR office by 12:00 p.m., October 1, 2008. Also, an electronic submission of the proposal as a single, unlocked PDF attachment must be sent to Carla Kellner at carla.kellner@und.nodak.edu.

Questions regarding this announcement can be addressed to Paul S. Hardersen, Director, ND NASA EPSCoR, (Hardersen@space.edu, 701-777-4896) or Carla Kellner (Carla.Kellner@und.nodak.edu, 701-777-2492).