



## NASA Call for Proposals FY 2012

### INTRODUCTION

NASA has announced the intention to release the Cooperative Agreement Notice (CAN) for the 2012 EPSCoR Competition on December 1. Oklahoma is eligible to submit one proposal with the possibility of having one additional award. It is anticipated that 7-10 awards of up to \$750,000 each to be expended over a three-year period of performance may be made under this Notice pursuant to the authority of the *NASA Grant and Cooperative Agreement Handbook*. Please refer to the 2011 Notice for the most recent guidelines; within this competition, twenty eight jurisdictions are eligible to submit proposals. **Jurisdictions are strongly encouraged to submit proposals that demonstrate partnerships or cooperative arrangements among academia, government agencies, business and industry, private research foundations, jurisdiction agencies, and local agencies. Partnerships with minority-serving institutions are strongly encouraged. Inclusion of faculty and students from underrepresented/underserved groups is also strongly encouraged.**

### NASA RESEARCH AREAS OF INTEREST

NASA EPSCoR research priorities are defined by the Mission Directorates (Aeronautics Research, Human Exploration and Operations, and Science) and the Office of the Chief Technologist. Each Mission Directorate and the Office of the Chief Technologist covers a major area of the Agency's research and technology development efforts.

Information about current NASA research solicitations can be found on NSPIRES at <http://nspires.nasaprs.com> (select "Solicitations" and then "Open Solicitations").

Research priorities for each of the Mission Directorates and the Office of the Chief Technologist are summarized below and can be found at the following locations:

#### **Aeronautics Research Mission Directorate (ARMD)**

ARMD Programs: <http://www.aeronautics.nasa.gov/programs.htm>

Research Opportunities in Aeronautics (ROA) <http://nspires.nasaprs.com>

#### **Human Exploration & Operations Mission Directorate (HEOMD)**

Human Research Areas:

- Visual Acuity and Ocular Structure and Function;
- Team Social, Technical, and Task Roles; and
- Host-Microbe Interactions

More details and background information can be found by referring to a research solicitation in this area:

<https://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=287093/NNJ11ZSA002NA%20NRA-FINAL.pdf>

#### **Science Mission Directorate (SMD)**

Detailed information on SMD research priorities is available at the following URLs:

NASA Science Plan 2010: <http://science.hq.nasa.gov/strategy/> and

<http://science.nasa.gov/media/medialibrary/2010/08/10/2010SciencePlan.pdf>.

**NASA's Plan for a Climate-Centric Architecture for Earth Observations and Applications from Space:**  
[http://science.nasa.gov/media/medialibrary/2010/07/01/Climate\\_Architecture\\_Final.pdf](http://science.nasa.gov/media/medialibrary/2010/07/01/Climate_Architecture_Final.pdf).

**Research Opportunities in Space and Earth Science (ROSES):**  
<http://nspires.nasaprs.com/external/>.

**In addition, proposers can visit the following URLs:**  
<http://nasascience.nasa.gov/big-questions> summarizes research questions across SMD divisions

<http://science.nasa.gov/researchers/sara/advisory-committees/> provides information on a new planetary decadal survey

#### **Office of the Chief Technologist (OCT)**

NASA's Chief Technologist serves as the NASA Administrator's principal advisor and advocate on matters concerning agency-wide technology policy and programs. The Office of the Chief Technologist (OCT) is responsible for direct management of NASA's Space Technology programs and for coordination and tracking of all technology investments across the agency. Ten programs, across three Divisions, are managed by the OCT.

**More information about OCT's Programs may be found at**  
<http://www.nasa.gov/offices/oct/home/index.html>.

#### **MATCH**

In the past, NASA EPSCoR has required cost sharing at a level of at least 50%. This means there must be \$1.00 of match for every \$2.00 of NASA funds. *The Oklahoma State Regents for Higher Education Matching Fund will provide \$50,000 per year in match for each funded project. The remaining matching funds will be the responsibility of the participating institutions.*

PIs should work with their campus research administration offices in preparing a preliminary budget for their preproposals and indicate how the campus portion of the match would be funded (i.e., from department, college, and/or central funds). PIs may also seek cost matching from other sources. Possible sources for campus cost match include the 1) unrecovered F&A (indirect costs) on the State Regents' match, 2) direct dollar match from the campuses and 3) indirect costs on the campus match. *Please direct all questions regarding matching funds to your campus Office of Research Administration rather than to the EPSCoR Office.*

*All white paper submissions in response to this call must be reviewed and approved by the Responsible Official on your campus (i.e., routed through your Research Services or Sponsored Programs office).*

#### **PROJECT SELECTION**

The Oklahoma EPSCoR Committee review panel will select the project to be submitted to NASA. Project selection will be based on review of preproposals using the following criteria as

outlined by NASA on pages 21-24 of the CAN: Intrinsic Merit, NASA Alignment and Partnerships, Management and Evaluation, and Budget Justification Narrative and Details.

### **Pre-proposals**

The pre-proposals must include:

1. PI name(s), full contact information including email address, and affiliation(s).
2. Project Title.
3. Project Description (5 page maximum). Literature references may be provided if necessary and they do not count toward this page limitation.
4. Preliminary Budget (1 page) Include both NASA and matching funds in the budget request and include F&A on the NASA funds. Please note that 15% of the direct cost budget must be allocated for administrative costs incurred by the NASA EPSCoR Office. The NASA EPSCoR office carries out longitudinal tracking of the students involved in research projects and is the liaison between the researchers and NASA for the annual reports, budgets, and on-going alignment with NASA Mission Directorates.
5. Name of the NASA Directorate and program the proposal is directed towards.
6. List of past, current and pending NASA research support.
7. Brief Vitae for PI (up to 2 pages).
8. Description (up to 2 pages) of how well the proposal addresses current NASA research needs and the prospects for future non-EPSCoR NASA research funding. Returning submissions **MUST** include a clear description of improvements made in the pre-proposal to improve the chances for selection/funding.
9. A letter of collaboration from a NASA scientist addressing the issue of NASA alignment and partnership, and discussing the relevance of the proposed project to NASA.

### **TIMETABLE FOR FY 2012**

- First – Carefully, read the NASA CAN from 2011. If you receive this via email, it should be attached. If you access this via the Oklahoma EPSCoR website, it will be posted there, along with this notice. As soon as the 2012 document is released, it will be forwarded along with a summary of relevant changes, if any.
- **Thursday, January 5, 2012, 5:00 pm** – Pre-proposals (**electronic .pdf files**) are due in the OU NASA EPSCoR office **Send files to: [OKSG.EPSCoR@ou.edu](mailto:OKSG.EPSCoR@ou.edu)**
- **Wednesday, January 18, 2012** – PI's will be notified as to which pre-proposal was selected, and given final instructions.

#### **Anticipated –**

- **Friday, January 27, 2012 – Notice of Intent to Submit via NSPIRES due to NASA**
- **Friday, February 24, 2012, 5:00 pm** – Completed proposals, with all relevant signatures and certifications etc. are due to the NASA EPSCoR office at OU Norman [OKSG.EPSCoR@ou.edu](mailto:OKSG.EPSCoR@ou.edu) (College of Atmospheric and Geographic Sciences, 1623 Cross Center Drive, Norman, OK 73069. Phone: 405-325-6559). They must be mailed from there to NASA in early March to arrive by the deadline.

For more information or discussion of specific project ideas, please contact NASA EPSCoR Acting Director, Dr. Andrew Arena at (405) 744-5900 or <a href="mailto:andy.arena@okstate.edu">andy.arena@okstate.edu</a> .
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