



## Solicitation of Notice of Intent

Open to researchers at *any* of the institutions of higher learning within the Mississippi NASA EPSCoR Jurisdiction



issued by the

Mississippi NASA EPSCoR Director

in anticipation of

**FY 2024 NASA Cooperative Agreement Notice (CAN)**

Established Program to Stimulate Competitive Research (EPSCoR)

### **Notice of Intent: Rapid Response Research (R3)**

#### **Amendment 1 – Released September 6, 2023**

This amendment revises the due date for white paper submissions for FY24 NASA EPSCoR R3. The amendment also updates relevant dates according to the most recent information on the anticipated timeline of the solicitation cycle. All other information in the original notice of intent solicitation remains unchanged. The updated full text of the white paper solicitation is provided in the following pages.

#### **Amendment 2 – Released November 3, 2023**

The notice of intent is now due on **Monday, November 13, 2023**. The full proposal will be due to NASA on Monday, February 26, 2024.

#### **Key Dates (Updated):**

September 6, 2023	Amendment 1 Released ( <i>this document</i> )
November 13, 2023	<b>Updated:</b> Notice of Intent due ( <i>this solicitation</i> )
November 13, 2023	NASA Solicitation Anticipated Release
November 20, 2034	Notification of authorization to proceed with full proposal
February 26, 2024	Full Proposal Due to NASA



## Solicitation of Notice of Intent

Open to researchers at *any* of the institutions of higher learning within the **Mississippi NASA EPSCoR Jurisdiction**

issued by the

**Mississippi NASA EPSCoR Director**

in anticipation of

**FY 2024 NASA Cooperative Agreement Notice (CAN)**

## Established Program to Stimulate Competitive Research (EPSCoR) **Notice of Intent: Rapid Response Research (R3)**

Submit here: <https://olemiss.infoready4.com/#competitionDetail/1905026>

**NOTICES OF INTENT MAY NOT BE SUBMITTED IN PAPER FORMAT**

### Key Dates

Release/Posted Date: Wednesday, May 24, 2023

Notice of Intent Due Date: **Monday, November 13, 2023, 5:00pm**

**\*\*\*\*\* No late submissions will be accepted \*\*\*\*\***

### Anticipated Solicitation Cycle:

We anticipate NASA will issue the FY24 NASA EPSCoR R3 CAN Solicitation on or about 13 November 2023 with an anticipated full-proposal due date on or about 26 February 2024. The Mississippi jurisdiction may submit up to six proposals for one year of funding for a maximum \$100,000 per award.

Anticipated timeline: 05/24/23 Notice of Intent Solicitation released (*this document*)  
11/13/23 Notice of Intent due (*this solicitation*)  
11/13/23 NASA R3 Solicitation released  
11/20/23 Notification of authorization to proceed with full proposal  
02/26/24 Full proposals due to NASA

NASA solicitation and due dates are subject to change.

For questions about this call for notices of intent, contact the MS NASA EPSCoR Director, Dr. Nathan Murray, [nmurray@olemiss.edu](mailto:nmurray@olemiss.edu), 662-915-3190.

## Section 1. Solicitation Details

*This announcement is to solicit a short notice of intent from potential proposers at Mississippi universities.* NASA EPSCoR R3 is a limited submission opportunity. All proposals must be submitted by the Jurisdiction Director's home institution (UM). NASA requires the NOIs and proposals to route through UM and then UM sub-awards out to the Science Investigator (Sc-I) after the award is made. This is NASA EPSCoR's process for the ISS, SFO, and Research award opportunities; one difference with the R3 award is that **Mississippi is allowed up to 6 proposals from the entire jurisdiction to receive up to \$100,000 per award.** *This means that each institution can submit as many NOIs as they would like to submit.*

NASA EPSCoR Research Focus Areas, along with points of contact for each area, are listed with descriptions in the appendix to this document. Along with NASA, the most competitive notices will also demonstrate partnerships or cooperative arrangements with one or more of other government agencies, business/industry, private research foundations, jurisdiction agencies, and/or local agencies, and/or additional academic institutions.

### 1.A. SUBMISSION OF NOTICES OF INTENT

All notices of intent must be submitted via InfoReady by 5 p.m. on Monday, 13 November 2023.

Each notice of intent submission to InfoReady will consequently notify the cognizant research official of the proposer's home institution of the proposer's interest. Submit applications at InfoReady: <https://olemiss.infoready4.com/#competitionDetail/1905026>

This NOI submission is a simple InfoReady form to notify NASA EPSCoR Director Nathan Murray that a Science Investigator wants to propose in case there is enough interest to require competitively down-selecting for the 6 PIs to write a full proposal. This extra step is required to coordinate all interests.

### 1.B. NOI CRITERIA

- Goals/Objectives
- NASA Alignment and Partnerships
- Scientific/Technical Merit
- Relationship to Prior/Existing NASA funding (if applicable)

Budget Summary: No budget information is required at this time.

## Section 2. More Information

Full Proposal: Must be submitted by MS NASA EPSCoR Director through UM to NASA.

Proposers should not include confidential information that they don't want to be seen by CRO's.

### **Section 3. Recent NASA EPSCoR R3 Awards to Mississippi**

#### EPSCoR R3 2022/80NSSC22M0206: \$88.5K

MSU/Dr. Dr. Ham-Gyu Kim: “Appendix D: Multi-Scale Experimental Characterization of non-Associative Plasticity Flow Rule Coefficients and Mixed-Mode Traction-Separation Laws for the LS-DYNA MAT213 Model.”

#### EPSCoR R3 2022/80NSSC22M0220: \$100K

UM/Dr. Ryan Fortenberry: “Appendix A: The Energy Cost of Producing Water and Chemical Feedstocks from Lunar Regolith.”

### **Section 4. NASA EPSCoR Program Overview**

#### **4.A. BRIEF DESCRIPTION OF NASA EPSCoR**

The National Aeronautics and Space Administration (NASA) Office of Education, in cooperation with NASA’s Aeronautics Research Mission Directorate (ARMD), Exploration Systems Development & Space Operations Mission Directorates (ESDMD and SOMD), Science Mission Directorate (SMD), the Space Technology Mission Directorate (STMD), and NASA’s ten centers (including JPL), solicits proposals for the NASA Experimental Program to Stimulate Competitive Research (EPSCoR). Each funded NASA EPSCoR proposal is expected to establish research activities that will make significant contributions to NASA’s strategic research and technology development priorities and contribute to the overall research infrastructure, science and technology capabilities, higher education, and economic development of the jurisdiction.

#### **4.B. EPSCOR BACKGROUND**

Public Law 102-588, passed in 1992, authorized NASA to initiate NASA EPSCoR to strengthen the research capability of jurisdictions that have not in the past participated equably in competitive aerospace research activities. The goal of NASA EPSCoR is to provide seed funding that will enable jurisdictions to develop an academic research enterprise directed toward long- term, self-sustaining, nationally competitive capabilities in aerospace and aerospace-related research. This capability will, in turn, contribute to the jurisdiction's economic viability and expand the nation's base for aerospace research and development. [SEP]Based on the availability of funding, NASA will continue to help jurisdictions achieve these goals through NASA EPSCoR. Funded jurisdictions will be selected through a merit-based, peer- review competition.

The specific objectives of NASA EPSCoR are to:

- Contribute to and promote the development of research capability in NASA EPSCoR jurisdictions in areas of strategic importance to the NASA mission;
- Improve the capabilities of the NASA EPSCoR jurisdictions to gain support from sources outside the NASA EPSCoR program;
- Develop partnerships among NASA research assets, academic institutions, and industry;
- Contribute to the overall research infrastructure, science and technology capabilities, higher education, and economic development of the jurisdiction; and
- Work in close coordination with the Space Grant consortium in the jurisdiction to improve the environment for science, technology, engineering and mathematics (STEM) education.