

REQUEST FOR NOTICE OF INTENT AND PROPOSALS
2023 NASA Established Program to Stimulate Competitive Research (EPSCoR)
Rapid Response Research (R3)
Announcement Number: NNH24ZHA002C

INTRODUCTION

The NASA EPSCoR Program has announced the release of a new solicitation titled “Rapid Response Research (R3).” The goal of this effort is to foster close collaborations among NASA, industry and university faculty to solve specific current NASA research challenges. The funding for each award is \$100,000 for a one-year period of performance to address a subset of NASA appendices. **Each NASA EPSCoR Jurisdiction may submit up to a total of six proposals.** **Faculty members interested in submitting a proposal must first submit a notice of intent to the NM NASA EPSCoR Office.**

The lead Science PI must contact the NASA point of contact to discuss their research ideas BEFORE submitting a Notice of Intent (and before proposal submission).

The R3 is a collaborative effort between NASA EPSCoR and the NASA Mission Directorate programs/offices. The goals of R3 are to provide a streamlined method to address research issues important to NASA, and to enable EPSCoR researchers to work with NASA to solve research issues impacting the Agency’s programs/missions. The proposed research should also contribute to the overall research infrastructure, science, and technology capabilities, higher education, and economic development of New Mexico.

For a complete list and details on each research focus area (NASA office), please refer to the [NASA EPSCoR R3 CAN solicitation](#).

Important Notes:

1. Although there is no requirement for cost-sharing, voluntary cost-sharing is allowable. The total amount to be awarded is \$100,000.
2. The lead administrative PI will be Dr. Paulo Oemig, the NM NASA EPSCoR Director. The lead research faculty member will be listed as the Science PI. The proposals will be submitted through the NM NASA EPSCoR Office; the same as the NASA EPSCoR Research CAN.
3. A notice of intent stating 1) Research Focus Area name, 2) Unique Research Identifier, 3) Mission Directorate/s must be submitted by **December 15, 2023 at 5:00 p.m. MT.** to nmsgc@nmsu.edu. It is very important that the Research Focus Area and Unique Research Identifier are included as they appears on the NOFO (**Research areas can be found on Appendix 3, Pages 28-82, NOFO**).

4. There will be an administrative fee attached to the budget in the amount of \$1,215.84, plus 49% F&A on the first \$25,000 on any subaward. See sample budget table at end of document.
5. The period of performance shall not exceed one year.
6. Please read the solicitation for specifics about the proposal and research topics.
7. We request that the **Science PI communicate with the NASA point of contact prior to submitting of a Notice of Intent (NOI)** to ensure that your proposal idea will meet NASA expectations.
8. Submission of the full proposals are required to be uploaded to NASA NSPIRES no later than **Monday, February 19, 2024 at 5:00 p.m. MT.** New Mexico State University (NMSU) Research Administration Services (RAS) office requires **five business days** to review proposals. Fully reviewed proposals will be submitted by RAS to NSPIRES by **Monday, February 26, 2024 at 9:59 p.m. MT.** Please send PDF copy to nmsgc@nmsu.edu Budget and budget narrative must be congruent and all solicitation requirements met.

R3 CAN SOLICITATION INFORMATION AND INSTRUCTIONS

A. Eligibility

Full-time faculty at NM institutions, particularly junior faculty, women, and members of other underrepresented populations are encouraged to apply. Faculty who have a current NASA EPSCoR Research CAN project are not eligible to apply while their project is on-going. There is no requirement that Science PIs be U.S. citizens, however, foreign nationals (i.e., non-U.S. citizens who do not have a green card) will likely not be permitted access to NASA Centers. This may or may not be relevant to the research being proposed.

B. Award: Funding Information

The NASA EPSCoR R3 CAN will provide an award of \$100,000 total for a one-year project period with no match requirement.

C. Award Obligations (If selected for Full proposal submission and receive R3 award)

Award recipients are required to prepare final reports and respond to any other reporting requirements provided by the national NASA EPSCoR Office. It is anticipated that this will include quantitative information on participant demographics, project role, number/type of products and a research highlight. The final report includes: grant proposals submitted; grant proposals funded; papers submitted and/or published in refereed journals; presentations or abstracts at professional meetings, and collaborations with NASA centers and institutions across the state. Data must be archived and adhere to a data management plan. In addition, recipients receiving awards under this NOFO shall comply with the provision set forth in the NASA Plan for Increasing Access to the Results of Scientific Research (http://www.nasa.gov/sites/default/files/files/NASA_Data_Plan.pdf).

D. Notice of Intent Preparation

The following information must be included in the NOI. **Include this table in your email to the NM NASA EPSCoR office, along with a brief explanation (research abstract) of your research focus area. The abstract can be up to 1 single page.** *Note: Each focus research area has a unique research identifier.*

Lead Sc-I Name	Click or tap here to enter text.
Phone Number	Click or tap here to enter text.
Email Address	Click or tap here to enter text.
Institution	Click or tap here to enter text.
Title of Proposal <u>(Clearly indicate the 1) Research Focus Area name, 2) Unique Research Identifier, 3) Mission Directorate/s, as it appears on the NASA solicitation [NOFO], pgs. 28-82 of NOFO).</u>	
Click or tap here to enter text.	
Abstract	
Click or tap here to enter text.	

You must communicate with the appropriate NASA Topic Area Point of Contact prior to submission of the NOI.

Notices of Intent (NOIs) should be submitted only after communication with the NASA point-of-contact for the topic area of interest. Email NOI to nmsgc@nmsu.edu by **December 15, 2023 at 5:00 p.m. MT.** **Use the table format mentioned above.**

NOI Review

NOIs will be reviewed by **December 19, 2023** and PIs will be informed whether they can proceed with proposal development. **If we receive more than 6 NOIs, we may require PIs to collaborate if research areas are similar. A team of reviewers may also down select according to intrinsic merit and potential contribution to the New Mexico research infrastructure.**

E. Full Proposal Preparation (merge requirements into a single Word document)

Proposals must be typed, single-spaced, standard one-inch margins and use a Calibri 12 pt. or comparable font with numbered pages. The proposals should be written such that researchers from other scientific disciplines would be able to understand the proposal goals, importance of the research and how the anticipated outcomes will benefit NASA and NM.

1. Cover Page

- Provide Title, research focus area and unique research identifier, and page number from NASA R3 NOFO.

- The NM NASA EPSCoR Office will create the proposal cover page in NASA NSPIRES. The Science PI will then upload the proposal and work directly with their own institution Office of Grants and Contracts on any budget related issues.

2. Project Description

Provide a concise description of the proposed research or research-building activities, including the following:

- a) Proposal Summary (4,000 characters including spaces)
- b) Data Management Plan (4,000 characters including spaces)
- c) Table of Contents (as needed)
- d) Scientific/Technical Plan (3 pages limit, it includes tables and figures).
Management Plan (as needed, 2-3 pages).

For this section consider:

- i. Project goals and research objectives; intrinsic merit of the proposed research
 - ii. Brief statement on how the proposed research meets the topic area need identified in the solicitation
 - iii. Tasks and methods/unique or innovative approaches
 - iv. SMART objectives with measurable outcomes
 - v. An approximate timetable for project completion
 - vi. List of collaborators and expertise they will contribute (including any NASA personnel)
 - vii. Describe current and/or previous interactions or partnerships with NASA researchers in the area of the proposed research and how future partnerships between institution's researcher and NASA will be fostered. Include name(s) and title(s) of NASA researchers with whom you will partner.
 - viii. Brief discussion of likely outcomes (i.e., publications, patents/licenses, technology transfer, new hardware/software, new or revised courses, new proposals with potential program you will apply to, etc.)
- e) References and Citations (as needed)
 - f) Biographical Sketches for:
 - i. The Principal Investigator(s) (2 pages per PI)
 - ii. The Science Investigator (Sci-I) (2 pages per Sci-I)
 - iii. Each Co-Investigator (Co-I) (1 page limit)
 - g) Current and Pending Support (as needed). Include title of project, project period, funded amount, and anticipated outcomes.
 - h) Statements of Commitment and Letters of Support (as needed). Letters should specify the type of support/commitment.

- i) Proposal Budget-both the budget and budget details (as needed). See section 5 of the solicitation for more details.
- j) Facilities and Equipment (as needed). List any existing facilities and major equipment that will be used for the proposed project.
- k) Table of Personnel and Work Effort (as needed)

3. Budget and Budget Justification

Provide a budget and a detailed budget justification by each institution involved in the project. PIs are encouraged to work with their Sponsored Programs Office and/or Business Managers well in advance to develop the budget.

- a) Follow NASA budget guidelines as well as the OMB Uniform Guidance when developing the budget.
- b) Include appropriate fringe, IDC, tuition and other costs.
- c) Sample budget tables may be found at the end of this document.

The proposed budget shall be adequate, appropriate, reasonable, and realistic, and demonstrate the effective use of funds that align with the content and text of the proposed project. Preparation guidelines for the budget can be found on Section 2.18 of the [NASA Proposer's Guide](#). Required budget details can be found on Appendix C of the same document.

The budget will be evaluated based upon the clarity and reasonableness of the funding request. A budget narrative shall be included that discusses relevant budgetary issues such as the extent and level of jurisdiction, industrial, and institutional commitment and financial support, including resources (staff, facilities, laboratories, indirect support, waiver of indirect costs, etc.).

F. Submission Guidelines:

If you are selected to proceed to full proposal, the final date to submit a proposal through the NASA NSPIRES website is **Monday, February 19, 2024 at 5:00 p.m. MT.** Fully reviewed proposals will be submitted by the New Mexico State University (NMSU) Research Administration Services (RAS) Office to NSPIRES by **Monday, February 26, 2024 at 9:59 p.m. MT.**

PROPOSAL REVIEW AND SELECTION

All full proposals submitted will be reviewed by the National NASA EPSCoR Program Office. As stated in the National NASA EPSCoR R3 CAN:

<https://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=968188/solicitationId=%7B0A6FFAE0-1DF1-9DCC-BB3F-368BC09DEA30%7D/viewSolicitationDocument=1/FY24%20R3%20Solicitation-Final-11-09-2023.pdf>

Review of proposals submitted in response to this CAN shall be consistent with the general policies and provisions contained in the [NASA Proposer’s Guide](#), Appendix D. However, the evaluation criteria described in this NOFO under Section E.1 of this document, Proposal Evaluation, takes precedence over the evaluation criteria described in the [NASA Proposer’s Guide](#).

Proposals will be evaluated based on the proposed research approach (intrinsic merit, 65%) that addresses the proposed research, project management (20%), and budget justification (15%). See page 15 of R3 NOFO Application Evaluation Criteria.

CONTACT INFORMATION

NM NASA EPSCoR Program Director
 Paulo Oemig, Ph.D.
poemig@nmsu.edu

ADDITIONAL LINKS

A PDF copy of the NASA EPSCoR R3 CAN Solicitation may be found at:
<https://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=968188/solicitationId=%7B0A6FFAE0-1DF1-9DCC-BB3F-368BC09DEA30%7D/viewSolicitationDocument=1/FY24%20R3%20Solicitation-Final-11-09-2023.pdf>

A PDF copy of the NASA Proposer’s Guide may be found at:
<https://www.nasa.gov/wp-content/uploads/2023/09/2023-nasa-proposers-guide-final.pdf>

SAMPLE BUDGET TABLE

NMSGC	Year 1	Total Budget
Admin	\$ 600.00	\$ 600.00
Fringe (36%)	\$ 216.00	\$ 216.00
Total Salary and Fringe	\$ 816.00	\$ 816.00
F&A (49%)	\$ 399.84	\$ 399.84
Total NMSGC	\$ 1,215.84	\$ 1,215.84
Project Budget (Other Institution)	\$ 86,534.16	
Faculty Salary ____%	\$ -	\$ -
Students	\$ -	\$ -
Fringe ____%	\$ -	\$ -

