The National NASA EPSCoR Program has released the National Aeronautics and Space Administration Office of STEM Engagement FY 2020 NASA Cooperative Agreement Notice (CAN) Established Program to Stimulate Competitive Research (EPSCoR) Rapid Response Research (R3) on September 27, 2019. The Iowa NASA EPSCoR program was very recently funded and went live in September 2019. Due to the short turnaround the webpage is still in development, but we hope to have it up and running very soon.

This CAN is a limited proposal meaning that Iowa can submit only one proposal per task. The National NASA EPSCoR CAN solicitation will be released in mid-November 2019 with a single full proposal submission due on **January 13, 2020**. To allow sufficient time to select and develop a single strong full proposal from Iowa, a letter of intent and pre-proposals are being solicited at this time. The LOIs will be used to select review panel members for pre-proposal competitive external review. Those reviews will result in the selection of one pre-proposal that will advance to full proposal development. The CAN is available in NSPIRES

Each funded NASA EPSCoR proposer shall work closely with a NASA researcher to focus on developing competitive research and technology for the solution of scientific and technical issues of importance to the NASA Mission Directorates as listed in the appendices A-F in the CAN:

- NASA SMD Planetary Division
  1) EPSCoR include research opportunities in the area of Extreme Environments applicable to Venus, Io, Earth volcanoes and deep-sea vents.

- Commercial Space Capabilities Office Commercial Space Research
  1) Program: Commercial Space Capabilities Office (CSCO)
  2) Title: Renewal of Previously Selected Cycle 1 CSCO R3
  3) Research Title: Landed Sensing of Mars Ice
  4) Research Title: Improvement of Space Suit State of Art
  5) Research Title: Improvement of Space Suit State of Art

- SMD Earth Sciences Division NASA SMD Earth Science Division (ESD)
  1) Research Topics to Address Earth System response to disasters

- NASA Space Life and Physical Sciences and Research Applications
  1) Program: Physical Sciences Program
     Research Title: Dusty Plasmas
  2) Program: Space Biology Program
     Research Title: In-Situ Food Safety Monitoring
  3) Program: Fluids Physics and Combustion Science
     Research Title: Drop Tower Studies
  4) Program: Combustion Science
     Research Title: Transcritical Combustion

6) Program: Physical Sciences Program
   Research Title: Quantum Effects
7) Program: Fluid Physics
   Research Title: Flow Boiling in Reduced Gravity
8) Program: Physical Sciences
   Research Title: Physical Sciences Informatics System
9) Research Title: Bioinformatic Analysis of Space Biology Data in the NASA GeneLab Data System
10) Program: Space Biology Program
    Research Title: Biofilms and the Built Environment
11) Program: Space Biology Program
    Research Title: Plant and Microbial Interactions
12) Program: Physical Sciences Program
    Research Title: Extraction of Materials from Regolith
13) Program: Space Biology Program
    Research Title: In-Situ Food Safety Monitoring

- KSC Partnerships Office Research
  1) Title: Conversion of CO2 into Fuel
  2) Research Title: Evaluation of Low Pressure Air Plasma for Passivation of Metal Components

- GSFC Computational and Information Sciences and Technology Office (CISTO) Program: Computational and Information Sciences and Technology Office (CISTO)
  1) Title: Computational and Technological Advances for Scientific Discovery

Iowa may submit one proposal consisting of two (2) to three (3) pages **per NASA Program and Research title in each of the six Technical Areas listed.**

The Rapid Response Research (R3) program is an attempt to implement research within NASA and commercial programs to address technical issues. It will allow EPSCoR researchers to work alongside of NASA and commercial partners for up to one year and is intended to strengthen the bonds among EPSCoR jurisdictions, NASA, the commercial partners, and other entities

Eligibility: As stated in NASA EPSCoR legislation (NASA Authorization Act for Fiscal Year 1993, Public Law 102-588), jurisdictions eligible to compete for this opportunity are those jurisdictions eligible to compete in the National Science Foundation (NSF) EPSCoR Research Infrastructure Improvement Grant Program (RII). The NSF eligibility is based on whether the most recent three-year level of NSF research support is equal to or less than 0.75 percent. The most recent eligibility table is located at:
https://www.nsf.gov/od/oia/programs/epscor/Eligibility_Tables/FY-2019-Eligibility.pdf

Funding: The NASA EPSCoR R3 CAN will provide an award of $100,000 each for a period of performance not to exceed one year under this CAN.

Please read the full SOLICITATION for all relevant details. *Download PDF

STEP 1 - Submit Letter of Intent (LOI) Online: Due October 21, 2019, 5:00 pm CT. CLICK HERE to submit LOI.

STEP 2 - Submit Proposal to Iowa NASA EPSCoR: Due **December 23, 2019**, 5:00 pm CT. Please submit a single PDF document using the naming convention: PI Last Name_First Name_NASA_CAN. Submissions that are incomplete will not be reviewed and no late submissions will be accepted. Please use the proposal submission guidelines in the CAN on pages 11-12.
The proposal must include:

Proposal Summary (abstract)	4,000 characters including spaces
Data Management Plan	4,000 characters including spaces
Table of Contents	As needed
Scientific/Technical/Management Plan	2-3 pages
References and Citations	As needed
Biographical Sketches for:	
Science Investigator (Sc-I)	2 pages
Co-Investigator (Co-I)	1 page
Current and Pending Support	As needed
Statements of Commitment and Letters of Support	As needed
Budget Justification: Narrative and Details	
• Includes proposed budget, itemized list detailing expenses within major budget categories, detailed subawards and summary of personnel (User's Guide section 3.18 and Appendix C). • For cooperative agreements the table of personnel and work effort should immediately follow the proposal budget and is not included in the budget.	As needed
Facilities and Equipment	As needed
Special Notifications and/or Certifications	As needed

Upon completion of the Iowa Internal review, selected proposers will be invited to submit a final proposal as described in the solicitation. The final proposals shall be submitted electronically via

NSPIRES (http://nspires.nasaprs.com). Electronic proposals shall be submitted in their entirety by **11:59 p.m., Eastern Time on the proposal due date of January 13, 2020**.

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