



NASA Kentucky EPSCoR Rapid Response Research (R3) 2018 Request for Statements of Interest

Announcement: RFP-18-004

Release Date: July 24, 2018

Statements of Interest Due: Thursday, August 2, 2018

Submitted via email to nasa@uky.edu

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FAQ and additional information available:

nasa.engr.uky.edu/epscor and
nasa.engr.uky.edu/requests-for-proposals

NASA KY EPSCoR R3 2018 Request for Statements of Interest

NASA EPSCoR Rapid Response Research (R3) Opportunity

The NASA Office of Education, in collaboration with the Science Mission Directorate (SMD) and Commercial Partnerships Office, is soliciting proposals for the 2018 NASA Established Program to Stimulate Competitive Research (EPSCoR) Rapid Response Research (R3) program. The purpose is to provide a streamlined method to address research issues important to NASA. The goal is for EPSCoR researchers to work for one year with NASA to solve problems.

Open tasks for the R3 program are listed below, with full detail available in the CAN appendices and amendments posted on NSPIRES under solicitation [NNH18ZHA005C](#). Proposals will be small (2-3 pages) and are submitted at the discretion of the jurisdiction's NASA EPSCoR Director. It is anticipated that approximately five (5) awards of up to \$100,000 for a period of performance not to exceed one year each may be made. No cost-share is required. Proposals will be due to NASA by Aug 31, 2018 (per amendment). More projects may be added later if funds become available

Jurisdictions may submit one proposal per NASA Technical Area task. Researchers at Kentucky institutions of higher education are eligible. Commercial companies may partner with academic research PIs at Kentucky higher education institutions.

Please notify NASA KY by Thursday, August 2, 2018 if you have interest in submitting a proposal to this opportunity. NASA KY will evaluate statements of interest received per technical task to determine if proposals from Kentucky will be developed and submitted to this opportunity. Please identify the task(s) you are interested in based on the list below.

AVAILABLE R3 TASKS:

Appendix A: NASA Science Mission Directorate, Planetary Science Division

Research opportunities in the area of Extreme Environments applicable to Venus, Io, Earth volcanoes and deep sea vents.

Task A - High-Temperature Subsystems and Components for Long-Duration (months) Surface Operations

Task B - Aerial Platforms for Missions to Measure Atmospheric Chemical and Physical Properties

Appendix B: NASA Commercial Spaceflight Development Division, Commercial Space Capabilities Office

CSCO-2017-01 rev A - Characterization of C-18150 Additively Manufactured material

CSCO-2017-02 rev A - Characterization of Inconel 625 or Haynes 230 Blown Powder Freeform Deposition material

CSCO-2017-03 rev A - Characterization of GRCo-42 Additively Manufactured material

CSCO-2017-04 rev A - Characterization of Bimetallic Joints using Copper-based alloys

CSCO-2017-05 - Investigate potential of Mars and Lunar resources

CSCO-2017-06 - Investigation of Mars Compatible Plants

Please submit your statement of interest to nasa@uky.edu by **Thursday, August 2, 2018**.

Contact **NASA KY** at **859-323-4542** with questions about this opportunity.