



NASA EPSCoR CAN Rapid Response Research (R3) Announcement Request for Proposals

NASA has issued a Cooperative Agreement Notice (CAN) Rapid Response Research (R3) announcement for the FY 2020 EPSCoR program. Delaware has an opportunity to submit one proposal for each of the 21 topics listed below by January 6, 2020. Proposals must be two to three pages in length for potential funding under this CAN. Twenty awards are expected across EPSCoR states, up to one year and \$100,000 each, with no cost share requirement.

Proposals must address one of the following specific NASA topic areas:

1. High-Temperature Subsystems and Components for Long-Duration (Months) Surface Operations
2. Aerial Platforms for Missions to Measure Atmospheric Chemical and Physical Properties
3. Extreme Environment Aerobot
4. Renewal of Previously Selected Cycle I CSCO R3
5. Landed Sensing of Mars Ice
6. Improvement of Space Suit State of the Art
7. Research Topics to Address Earth System Response to Disasters
8. Dusty Plasmas
9. Drop Tower Studies
10. Transcritical Combustion
11. Quantum Effects
12. Flow Boiling in Reduced Gravity
13. Physical Sciences Informatics System
14. Bioinformatic Analysis of Space Biology Data in the NASA GeneLab Data System
15. Biofilms and the Built Environment
16. Plant and Microbial Interactions
17. Extraction of Materials from Regolith
18. In-Situ Food Safety Monitoring
19. Conversion of CO₂ into Fuel

20. Evaluation of Low Pressure Air Plasma for Passivation of Metal Components
21. Computational and Technological Advances for Scientific Discovery

For additional details, please locate the full solicitation NNH20ZHA001C at [FY2020 Rapid Response Research](#).

Proposal evaluations will begin on October 21, 2019. One proposal in each of the 21 topic areas will be submitted *as suitable proposals are identified*. Due to NASA regulations in this Rapid Response program, time is of the essence!

Please submit your two to three page proposal, clearly indicating the topic it addresses, to desgc@bartol.udel.edu.

Thank you,

William H. Matthaeus
Director, NASA Delaware EPSCoR