



# La NASA EPSCoR

*NASA EPSCoR Research Infrastructure  
Development (RID) in Louisiana 2022-2027*

**Presented by:**

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**LA NASA EPSCoR Planning Meeting**

University of Louisiana at Lafayette

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# NASA EPSCoR Research Infrastructure Development (RID) in Louisiana 2022-2027

## *Presentation Outline*

- NASA EPSCoR RID
  - Programmatic Goals, Expectations, & Requirements
  - Financial Goals, Expectations, & Requirements
- LA NASA EPSCoR RID
  - Programmatic Goals, Expectations, & Requirements
  - Financial Goals, Expectations, & Requirements
  - Programming Details for 2022-2027
    - Continuation of the RAP & TAP
    - Development & Implementation of the FFP & SURF
- Questions, Ideas, Suggestions: <https://tinyurl.com/LANASAEPSOR>
- ***Note: Post-Presentation Discussion During the Administrative Panel at the end of the morning session***

# NASA EPSCoR RID Program Strategic Goals & General Purpose

## *NASA OSTEM's Strategic Goals for EPSCoR* (p 7)

- Strengthens the research capabilities of our nation's colleges & universities
- Contributes to the research needs of NASA's Mission Directorates
- Advances our nation's scientific and technology innovation agenda as well as the jurisdiction's aerospace research and development priorities

## *NASA EPSCoR RID* (p 8)

- Build the core strength needed to increase competitive research and technology development methods and activities for the solution of scientific and technical problems of importance to NASA
- Contributes to the research needs of NASA's Mission Directorates
- Advances our nation's scientific and technology innovation agenda as well as the jurisdiction's aerospace research and development priorities

# NASA EPSCoR RID Funding Available Funding Level, Requirements, & Restrictions

## *NASA RID Funding (p 8)*

- NASA Funds: \$200,000 per year for 5 years = \$1,000,000
- 20% Cost-Match Minimum from non-federal sources = \$200,000
  - *NASA encourages methods that add value to the jurisdiction's existing research capabilities*
- NASA Restrictions on RID funds:
  - *cannot be used for equipment without prior approval;*
  - *cannot be used for foreign travel; and*
  - *cannot be used for civil-service personnel labor or travel.*
- Advances our nation's scientific and technology innovation agenda as well as the jurisdiction's aerospace research and development priorities
- RID funding is intended to provide:
  - *partial support for overall program management & jurisdiction research activities;*
  - *the majority of resources shall be reserved for general research and/or technology infrastructure development elements.*

# NASA EPSCoR RID Funding

## NASA Fund Usage Expectations

### *Acceptable Uses for RID Funding Examples*<sup>(p 8-9)</sup>

- Development of new contacts and cooperative research agreements with the NASA Centers and/or Mission Directorates;
- Seed grants/research initiation grants/analysis grants;
- EPSCoR Director travel, attendance at national EPSCoR meetings, and travel grants for jurisdiction researchers;
- Redirection of non-aerospace research assets to efforts toward addressing NASA's research and technology development needs;
- Development of new or continuing partnerships among colleges and universities in the jurisdiction that will enhance the jurisdiction's abilities to respond to the research and technology development needs of NASA; and
- RID funding shall not be used to fully fund proposals and shall not be used for the augmentation of awards made under the NASA EPSCoR Research Award program.

# LA NASA EPSCoR RID Program Strategic Goals & General Purpose for the LA RID

## *NASA EPSCoR RID in Louisiana* (p 6)

- The overall goal is to increase the Jurisdiction's participation in NASA-aligned research and ultimately increase NASA funding in the state.
  - TAP → RAP → FFP/SURF → R3 → CRA/ISS/Suborbital → Non-EPSCoR NASA
- Foundational Principles of the LA NASA EPSCoR RID (p 8)
  - Alignment with NASA to meet Louisiana Priorities
  - Research Engagement
  - **Access to Opportunities & Inclusivity**
  - Mentoring-Sponsorship-Collaboration
  - STEM Workforce Development
  - **Partnerships for Diversity**
  - Defined Requirements and Competitive Selections
  - Internal Reviews & Revisions to Program Management

# NASA EPSCoR RID Funding Louisiana's RID Budget Portfolio

## *LA NASA EPSCoR RID Funding Sources*

- NASA Funds: \$200,000 per year x 5 = \$1,000,000
- BoR Support Fund Match \$125,000 per year = \$625,000
- 07/01/2022-06/30/2027 RID Funding in Louisiana: \$1,625,000 total

## *LA NASA EPSCoR RID Annual Budget (\$325,000)*

- LA RID Subaward Programming & Administrative Distribution:
  - Research Award Program (RAP) = \$125,000 (~3 awards annually)
  - Travel Award Program (TAP)/TIM = \$16,500 (~10 awards annually)
  - Faculty Fellowship Program (FFP) = \$35,000 (~2 awards annually)
  - Summer Undergraduate Research Funding (SURF) = \$44,000 (~10 awards annually)
  - LSU Science & Technical (S&T) Management = \$50,000
  - BoR Admin Costs (reviewers, travel, supplies, f&a) = \$55,000

# NASA EPSCoR RID Programming Continue the RAP & TAP Award Programs

## *Travel Award Program (TAP)*

- Travel support for jurisdiction researchers to interact with NASA researchers and investigate possible collaborative efforts.
- Proposals solicited for participation in:
  - TIMs arranged by NASA or LA Program Mgmt;
  - Other Workshops or Conferences arranged by NASA
  - Other justified opportunities for collaborative discussions

## *Research Award Program (RAP)*

- Research seed funding for faculty at any Louisiana institution of higher education, which requires a partnership component with a NASA researcher.
- Proposals solicited for annually for NASA-aligned research with written support/endorsement from a NASA researcher.



# NASA EPSCoR RID Programming

## Develop & Implement the FFP & SURF Award Program

### *Faculty Fellowship Program (FFP)*

- Summer Funding for Faculty from Louisiana MSIs & Community Colleges to participate in a research project at a NASA-aligned/funded lab at a research-intensive Louisiana institution (LSU, LSUHSC, ULL, LaTech, UNO, Tulane)
  - Proposed \$15,000-\$20,000 to commence Summer 2023

### *Summer Undergraduate Research Funding (SURF)*

- Summer Funding for undergraduate students from Louisiana MSIs & Community Colleges to participate in a research project at a NASA-aligned/funded lab at a research-intensive Louisiana institution (LSU, LSUHSC, ULL, LaTech, UNO, Tulane)
  - Proposed \$5000-\$6000 to commence Summer 2023

# NASA EPSCoR RID Programming Develop & Implement the SURF Award Programs

## *Identify Requirements/Restrictions for FFP & SURF*

- Duration:
  - Full-time only or part-time option
  - 8 weeks at 40 hours per week / 4 weeks at 20 hours per week
- Location:
  - Fully on-site at the host institution; Fully off-site at the participant's institution; Hybrid
  - Pre-match host & participant institutions or leave it open to the whole state?
  - Integrate SURF into established REU programs
- Funding Allocations:
  - Exclusively Direct Labor / Student Stipend
  - Materials & Supplies, Travel, Lab fees, etc
  - Housing costs for student participants
  - Cost-match from hosts for more expenses above our base

# NASA EPSCoR RID Programming Proposed FFP & SURF Administration

## *FFP & SURF Application & Award Administration*

- LA NASA EPSCoR Program (LNEP) develops program requirements document
- LNEP recruits Faculty hosts from eligible institutions
- Faculty hosts draft job descriptions for faculty and/or student placements
- LNEP & Faculty hosts disseminate applications to eligible institutions & applicants
- LNEP identifies fundable applicants based on compliance and programmatic goals
- Faculty hosts review applications and identify desirable candidates
- LNEP makes final funding decision / sends out offer letters
- Funding is disseminated via the BoR either through subawards or stipends
- Final reports & final invoicing schedules tbd

# NASA EPSCoR RID Programming Challenges & Opportunities for Recruitment & Retention

## *Some Known Challenges & Opportunities*

- History of being unsuccessful in recruiting MSIs and Community Colleges
- Lack of flexibility to accommodate the needs of faculty and students at MSIs and Community Colleges
- Generally ill-defined institutional relationships between research-intensive and teaching-intensive campuses
- Lack of awareness of the needs, capabilities, and interests of MSIs & CCs
- Accommodate for less robust administrative support at MSIs & CCs
- Leverage well-established relationships (i.e. LSU & Southern)
- Identify and apply for additional funding to improve access at underserved campuses

# Your input is crucial!

# Thank you!

**Feedback, Questions, Comments, Concerns:**

<https://tinyurl.com/LANASAEPCOR>

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