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/LANASAEPSCOR

• Note: Post-Presentation Discussion During the Administrative Panel at the end of the morning session
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 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.*
Acceptable Uses for RID Funding Examples\(^{(p \ 8-9)}\)

- 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.
**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
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.
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
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
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 it crucial!
Thank you!

Feedback, Questions, Comments, Concerns:

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