NASA MUREP Outcome Assessment: Principal Investigators (PIs)

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As a Principal Investigator (PI) of a NASA MUREP-Funded Activity, you have been selected to take part in a brief questionnaire about your experiences. If you wish to participate in this survey, please select "Next" at the bottom of the screen to continue. Thank you for your time and perspective.

Privacy Act Notification:
The information you provide via this form is protected from unauthorized disclosure in accordance with the Privacy Act of 1974. It will be used by NASA for the specific purpose of managing registrants, selecting applicants, implementing and evaluating STEM engagement investments. Collection of the information is authorized by the National Aeronautics and Space Act of 1958 § 403(a)(b), 42 U.S.C. § 2473 (c)(1). Provision of the requested information is strictly voluntary; however, failure to provide the information may result in NASA's inability to provide you with the information or STEM services you desire. NASA may disclose information to NASA administrators and managers, Office of Management and Budget officials, and members of Congress for the purposes of accountability and tracking of program and project efficiency and effectiveness. Elaboration and conditions of information   disclosure may be found under "Routine Uses" of the full System of Records Notice at https://www.govinfo.gov/content/pkg/PAI-2013-NASA/xml/PAI-2013-NASA.xml#10euda and in Appendix B at https://www.govinfo.gov/content/pkg/PAI-2013-NASA/xml/PAI-2013-NASA.xml#appb.

Paperwork Reduction Act Statement:
This information collection meets the requirements of 44 U.S.C. §3507, as amended by section 2 of the Paperwork Reduction Act of 1995. You do not need to answer these questions unless we display a valid Office of Management and Budget (OMB) control number. The OMB control number for this collection is 2700-0159 and expires 09/30/2024.

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Introduction: As a Principal Investigator of a NASA MUREP-funded program, you are part of a sample that has been selected to be invited to complete a brief questionnaire so that we can learn more about your experience, the program you managed, and the students your program engaged and their experiences and outcomes.

Description of Survey: The survey includes questions related to the NASA MUREP-funded program in which you manage, as well as questions associated with topics such as recruitment, retention, and the role of strategic partnerships.

Extent of Anonymity and Confidentiality: All the results of this study will be kept confidential. The study participants' names and contact information will be disassociated from responses to the survey. All data will be presented in aggregate. It is possible that the NASA Institutional Review Board (IRB) may view this study's collected data for auditing purposes. The IRB is responsible for the oversight of the protection of human subjects involved in research.

Freedom to Withdraw: As a participant, you are free to withdraw from a study at any time without penalty and you may choose to not answer any questions you deem unnecessary.

Risks: Participation in this research does not place you at more than minimal risk of harm.

Benefits: While there may be no direct benefit to you as a participant, results from this study will assist in ensuring that NASA MUREP activities leverage best practices that enhance academic and career outcomes for students attending Minority Serving Institutions and students from groups historically underrepresented and underserved in STEM.

Contact Information: Should you have any questions about this research or its procedures, you may contact the principal investigator of this project, Dr. Aime Black, at aime.t.black@nasa.gov.

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Background

* 1. Please select your MUREP-Funded Activity from the list below.

[⏷]

2. Please briefly describe your MUREP-Funded Activity.

[   ]

3. Please provide your institution below.

[   ]

4. Please select your institution type.

☐ ANNAPISI

☐ ANNH

☐ HBCU

☐ HSI

☐ NASNTI

☐ PBI

☐ TCU

☐ MSICC

5. Please select the NASA STEM engagement goals and objectives to which your activity aligns. Please select all that apply.

☐ **Strategic Goal 1.0**: Create unique opportunities for a diverse set of students to contribute to NASA's work in exploration and discover.

    Objective 1.1: Provide student work experiences that enable students to contribute to NASA's missions and programs, embedded with NASA's STEM practitioners.

    Objective 1.2: Create structured and widely-accessible, experiential learning opportunities for students to engage with NASA's experts and help solve problems that are critical to NASA's mission.

☐ **Strategic Goal 2.0**: Build a diverse future STEM workforce by engaging students in authentic learning experiences with NASA's people, content and facilities.

    Objective 2.1: Develop and deploy a continuum of STEM experiences through authentic learning and research opportunities with NASA's people and work to cultivate student interest, including students from underrepresented and underserved communities, in pursuing STEM careers and foster interest in aerospace fields.

    Objective 2.2: Design the portfolio of NASA STEM engagement opportunities to contribute toward meeting Agency workforce requirements and serving the nation's aerospace and relevant STEM needs.

☐ **Strategic Goal 3.0**: Attract diverse groups of students to STEM through learning opportunities that spark interest and provide connections to NASA's mission and work.

    Objective 3.1: Develop and deploy targeted opportunities and readily available NASA STEM engagement resources and content, to attract students to STEM.

    Objective 3.2: Foster student exposure to STEM careers through direct and virtual experiences with NASA's people and work.

6. What student population does your MUREP-Funded Activity primarily serve? Please select the best option.

○ K-12 students

○ Undergraduate students

○ Graduate students

7. On an annual basis how many student participants does your MUREP-Funded Activity include?

[   ]

8. Of the following student categories, which do your student participants most represent?

○ African American/Black

○ Asian

○ Hispanic

○ Native American/Pacific Islander

○ White

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Student Recruitment

Please answer the following questions regarding **Student Recruitment** as it pertains to your NASA MUREP-Funded Activity.

9. The following is a list of evidence-based recruitment strategies. Please select all that you use to recruit students.

☐ Emails

☐ Referrals

☐ Events

☐ Websites

☐ None of the above

Other (please specify)

[   ]

10. Do you use additional recruitment strategies not listed above?

○ Yes

○ No

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11. Please describe them here.

[text area]

12. Are you using specific strategies to recruit URM student participants?

○ Yes

○ No

13. What specific strategies are you using to recruit URM student participants?

[text area]

14. Which recruitment strategies do you think have been the most effective?

[text area]

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Student Retention

Please answer the following questions regarding **Student Retention** as it pertains to your NASA MUREP-Funded Activity.

15. Please rate your agreement with the following statement: The NASA MUREP-Funded Activity I lead is implemented with high fidelity/as planned?

Strongly Disagree	Somewhat Disagree	Agree	Somewhat Agree	Strongly Agree
○	○	○	○	○

16. Are there specific strategies you have in place to try to retain student participants?

○ Yes

○ No

17. What are the specific strategies you have in place to try to retain student participants?

[text box]

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Strategic Partnerships

Please answer the following questions regarding **Strategic Partnerships**.

18. What types of strategic partnerships are in place at your NASA MUREP-Funded Activity. Please select all that apply.

☐ Institutional Partnerships

☐ Organizational Partnerships

☐ Business Partnerships

☐ Industry Partnerships

Other (please specify)

[   ]

19. Are strategic partnerships directly aligned to broadening participation of Minority Serving Institutions (MSIs)?

◯ Yes

◯ No

20. Please explain how your strategic partnerships are directly aligned to broadening participation of MSIs.

[   ]

21. Are strategic partnerships directly aligned to broadening participation of students from underrepresented and underserved communities?

◯ Yes

◯ No

22. Please explain how your strategic partnerships are directly aligned to broadening participation of students from underrepresented and underserved communities?

[ ]

23. Do you have measures/indicators of success for your strategic partnerships?

○ Yes

○ No

24. Please describe your measures/indicators of success for your strategic partnerships.

[ ]

25. What goals are associated with your strategic partnership(s)? Please select all that apply.

☐ Build research capacity

☐ Create unique work experiences

☐ Product design

☐ Professional development

Other (please specify)

[ ]

26. Do you track the number of student participants transitioning to the STEM workforce?

○ Yes

○ No

27. If so, are any student participant transitions to the STEM workforce a result of partnerships you have formed?

○ Yes

○ No

28. The following table lists research-based practices that may lead to effective strategic partnerships. Please select the rating that most closely matches the effectiveness of the practice as it relates to your strategic partnership(s).
  *King, C. L. (2014). Partnership effectiveness continuum. Education Development Center.
Key: Highly Effective: Meets **all** indicator criteria
Effective: Meets **most** indicator criteria
Partially Effective: Meets **some** indicator criteria
Ineffective: Meets **few** indicator criteria

	Highly Effective	Effective	Partially Effective	Ineffective	Not Applicable
An articulated mission and shared beliefs exist to serve as guides for the work of the partnership(s)?	○	○	○	○	○
There are clear, measurable, and feasible shared goals.	○	○	○	○	○
Shared goals address the common needs of the partnership.	○	○	○	○	○
Shared goals align with partner organizations goals.	○	○	○	○	○
There is a joint agenda that addresses identified partnership needs and priorities with a strategic plan for accomplishing short and long term partnership goals.	○	○	○	○	○
The agenda is fully resourced (time, people, finances).	○	○	○	○	○
There is a strategic action plan that articulates concrete action steps for accomplishing partnership goals.	○	○	○	○	○
There are specified timelines, roles, and responsibilities, and expected outcomes.	○	○	○	○	○
The partnership uses evidence-based protocols that promote continuous improvement.	○	○	○	○	○
Measures for assessing progress tightly align to partnership goals and strategic action plans.	○	○	○	○	○

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End of Survey

Thank you for participating in our survey. We greatly appreciate your time and feedback.

Prev **Done**