

Purpose

"The members of SoPWG are interested to hear something about mentorship and other STEM programs in SMD that support the NASA's space programs and capabilities in terms of DEIA and data collected to monitor progress"

Today's Discussion

- SMD Science Activation
- NASA Continuing Opportunities
- Student Collaboration

...And so, we lift our gazes not to what stands between us,

but what stands before us.

We close the divide because we know, to put our future first, we must first put our differences aside.
We lay down our arms so we can reach out our arms to one another. We seek harm to none and harmony for all.

Let the globe, if nothing else, say this is true...

Amanda

Amanda Gorman, "The Hill We Climb" January 20, 2021



NASA's Commitment to DEIA

(Diversity, Equity, Inclusion and Accessibility)

Core Value of Inclusion: NASA is committed to a culture of diversity, inclusion, and equity, where all employees feel welcome, respected, and engaged. To achieve the greatest mission success, NASA embraces hiring, developing, and growing a diverse and inclusive workforce in a positive and safe work environment where individuals can be authentic. This value will enable NASA to attract the best talent, grow capabilities of the entire workforce, and empower everyone to fully contribute.



SMD 2020 Science Plan Strategy 4.1: Increase diversity of thought and backgrounds represented across the entire SMD portfolio through a more inclusive and accessible environment.

Integrity

Teamwork

Safety

Mission Success

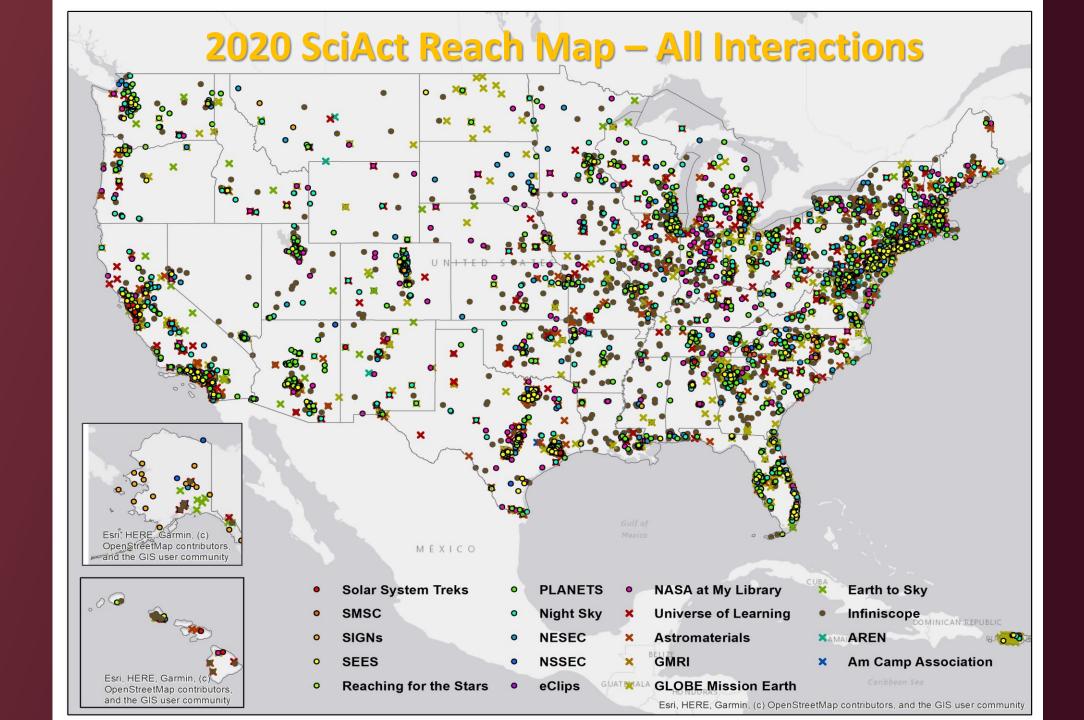
Inclusion

Excellence

Science Activation (SciAct) Summary

- Baselined in November 2016, this collaborative model leverages over 220
 partnerships through a network of science and community-based institutions
 using "multiplier effect" across U.S. to achieve objectives
- 31 Competitively-selected awardees enables NASA science experts and content to engage more effectively and efficiently with learners of all ages – broadening participation has been a focus area since 2016
- Each agreement uses independent evaluators to validate performance; new community of practice established. Independent portfolio evaluators added in 2020
- Volunteer networks, such as Solar System Ambassadors and Night Sky Network, mobilized across the U.S.
- National Academies <u>report</u> completed in 2019. Validated the program!
- Annual SMD funding \$46M for Science Activation activities (includes citizen science initiative) https://science.nasa.gov/learners





Mentoring and Diversity: Science Activation Examples

- Beginning at the high school level, the STEM Enhancement in Earth Sciences (SEES) Project is in its fifth year. Students receive mentorship from NASA-funded SMEs to conduct STEM projects during the summer. Also, High schoolers from previous years are available to mentor current year interns.
- Recent awardee at Sonoma State will work with neurodiverse learners with a goal of mentoring them towards positions in the STEM workforce
- Northwest Earth and Space Pipeline joins underserved rural and Native American learners with community-based organizations to support them throughout their educational career path
- For rural Appalachia and the regional Cherokee Nation, Southwest Community College is the hub
 for science learning, since leading the regions' efforts in the 2017 Total Solar Eclipse
- PLANETS award with Northern Arizona U, Museum of Science/Boston, and USGS, is an out-of-school time (OST) program for youth in grades 3–8 that provides STEM learning with an emphasis on integrating NASA planetary science and engineering, particularly for underserved audiences

HIGH SCHOOL

- School Students
- STEM Enhancement in Earth Science (SEES) High School Summer Intern Program

GRADUATE

- Future Investigators in NASA Earth & Space Science & Technology (FINESST)
- NASA Fellowship Activity
- NASA International Internships
- NASA Space Technology Graduate
 Research Opportunities
- National Space Grant College & Fellowship Project
- NASA Science Mission Design Schools
- Pathways Recent Grad Program

NASA SCIENCE CONTINUING OPPORTUNITIES

- NASA JPL/CalTech
 NASA JPL/CalTech
- NASA Job Opportunities
- Presidential Management Fellows
- NASA's STAR Program

UNDERGRADUATE

- Blue Marble
- Lunar and Planetary Science Summer Intern Program
- NASA Internships
- NASA International Internships
- Summer Program for Planetary Research
- Representation Program Pathways Internship Program

- NASA Student Airborne Research Program (SARP)
- National Space Grant College & Fellowship Project
- Research Experience for Undergraduates (REU)
- Space Life Sciences Training Program (SLSTP)
- **S** USRA Scholarship Awards

*POSTDOCTORAL

- ு Jack Eddy Postdoctoral Fellowships
- NASA Astrobiology Institute (NAI) Postdoctoral Fellowship Program
- NASA Hubble Fellowship Program (NHFP)
- NASA Postdoctoral Program (NPP)
- Planetary Science Summer School
- Nancy Grace Roman Tech Fellowships (Astro)

NASA SCIENCE PATHWAYS NASA SCIENC

