

SCIENCE MISSION DIRECTORATE

Grants and Cooperative Agreements Profile

OVERVIEW

The NASA Science Mission Directorate (SMD) pursues NASA's strategic objectives using aircraft, balloon, and spaceflight programs to enable the execution of both remote-sensing and in-situ investigations. Investigations in Earth orbit, as well as to or even beyond objects in the Solar System, and through ground-based research activities that directly support these space missions. SMD also supports basic and applied research and technology in order to understand naturally occurring space and Earth phenomena, human-induced changes in the Earth system, and to develop Earth and space science-related technologies.

SCIENCE MISSION DIRECTORATE PROGRAM AREAS:

Astrophysics Research – sponsors research to explore the Universe beyond, from the search for planets to the origin, evolution, structure, and destiny of the Universe itself.

Biological and Physical Sciences Research – sponsors space-based research and studies the behavior/adaptation of physical processes, living organisms, and ecosystems to environments beyond Earth.

Earth Science Research and Applied Sciences – sponsors research that addresses a major component(s) of the Earth system—continents, oceans, atmosphere, ice, and life—to understand natural and human-induced processes that drive the Earth system.

Heliophysics Research – sponsors research to understand the Sun and its interactions with the Earth and Solar System, including space weather.

Planetary Science Research – sponsors research to explore the solar system to study its origins and evolution, including the origins of life within it.

Multi- or Cross- Division Research – sponsors research and related activities that may engage citizen scientists, graduate students, and learners of all ages in one or more of SMD's activities, including operating or past Science Missions, such as Mars 2020/Perseverance.

Lunar Discovery and Exploration – sponsors research to support instruments development and investigations on or near the surface of the Moon.

FAST FACTS

Assistance Listing Number:

43.001

Authorizing Statute:

National Aeronautics and Space Act of 1958

Average Number of Active Awards:

4,633

Average Funding Per Award:

\$191,991

Applicant Eligibility:

Institutions of Higher Education
Non-Profit Organizations
For-Profit Organizations

Open-Source Science Initiative – sponsors activities such as Transform to Open Science to accelerate the use of open science practices within and across SMD-funded research.

IMPORTANT LINKS & RESOURCES

SMD Funding Opportunities

<https://www.grants.gov>

<https://nspires.nasaprs.com/external/>

Science Mission Directorate

<https://www.science.nasa.gov>

NASA Shared Services Center (NSSC)

<https://www.nasa.gov/centers/nssc/grants>

NASA Grants Policy and Compliance

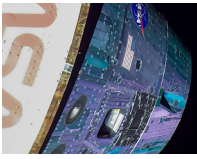
<https://www.nasa.gov/offices/procurement/gpc>

NASA Proposer's Guidebook

https://www.nasa.gov/offices/procurement/gpc/regulations_and_guidance

NASA Grant & Cooperative Agreement Manual

https://www.nasa.gov/offices/procurement/gpc/regulations_and_guidance



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TOTAL AWARD OBLIGATIONS PER FISCAL YEAR

FY 22 **\$943,442,606**

FY 21 **\$830,636,992**

FY 20 **\$817,241,391**

FY 19 **\$827,588,439**