
# 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 may occur 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, as well as 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 one or more major components of the Earth system—continents, oceans, atmosphere, ice, and life—to understand processes that drive the Earth system.

**Heliophysics Research** sponsors research to understand the Sun and its interactions with Earth and the solar system, including space weather.

**Planetary Science Research** sponsors research to determine the content, origin, and evolution of the solar system and the potential for life beyond Earth.

### FAST FACTS

**Assistance Listing Number:**
43.001

**Authorizing Statute:**
National Aeronautics and Space Act of 1958

**Number of Active Awards: (FY 24)**
6,034

**Average Funding Per Award: (FY 24)**
$152,762

**Applicant Eligibility:**
Institutions of Higher Education
Nonprofit Organizations
For-Profit Organizations

**Multi- or Cross-Division Research** sponsors research and related activities that may engage citizen scientists, graduate students, and learners of all ages and backgrounds in one or more of SMD's activities, including operating or past science missions, such as NASA's Planetary Defense Coordination Office's Double Asteroid Redirection Test, the first mission to demonstrate an asteroid deflection method in 2022.

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

The **Open-Source Science Initiative** sponsors innovative activities that accelerate scientific discovery and enhance transparency and reproducibility of SMD-funded research.

# SCIENCE MISSION DIRECTORATE

Grants and Cooperative Agreements Profile

## IMPORTANT LINKS AND RESOURCES

NASA Grant and Cooperative Agreement Manual
*https://www.nasa.gov/grants-policy-and-compliance-team/#Regulations*

NASA Grants Policy and Compliance
*https://www.nasa.gov/grants-policy-and-compliance-team/*

NASA Shared Services Center
*https://www.nasa.gov/centers-and-facilities/grants-2/*

Science Mission Directorate
*https://www.science.nasa.gov*

SMD Funding Opportunities
*https://www.grants.gov*
*https://nspires.nasaprs.com/external/*

## POINT OF CONTACT

Mary F. Sladek
*mary.f.sladek@nasa.gov*

## TOTAL AWARD OBLIGATIONS PER FISCAL YEAR

FY 24 **$921,764,931**

FY 23 **$934,721,653**

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

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

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