Awards are based on the scientific merit and potential impact of proposed research.

NASA, NSF, and DOE fund students and researchers in all fifty states and territories across the academic, industry, government, and nonprofit sectors.

Sustainable support of the planetary science community requires funding levels tied to 10% of the PSD budget, as directed in the 2022 Planetary Science decadal survey.

The decadal surveys’ overriding priority has been a balanced program…
- across discipline and mission size
- between competitive and strategic programs
- between facilities and grants
…to optimize return on taxpayer investment.

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Decadal Surveys

The National Academy of Sciences’ decadal surveys are scientific community-based and recommend ranked, consensus priorities for the coming decade.

The decadal surveys’ overriding priority has been a balanced program…
- across discipline and mission size
- between competitive and strategic programs
- between facilities and grants
…to optimize return on taxpayer investment.

Current Missions and Facilities

Small- and Mid-scale
Competitive | Focused Science | Investigator-led

Flagship
Directed | Broad Science | Competed Instruments

Competitive Grants

- Awards are based on the scientific merit and potential impact of proposed research.
- NASA, NSF, and DOE fund students and researchers in all fifty states and territories across the academic, industry, government, and nonprofit sectors.
- Sustainable support of the planetary science community requires funding levels tied to 10% of the PSD budget, as directed in the 2022 Planetary Science decadal survey.

Left: Missions to Venus (center) have been chosen for launch by NASA’s Discovery competitive mission program - VERITAS is delayed for purely programmatic reasons and needs additional bridge-phase funds this year.
Curiosity-driven research is vital to innovation and economic growth in the U.S. For example, in FY19 NASA efforts generated more than $64 billion in economic output in all 50 states from a budget of $21.5 billion. However, the U.S. has seen a 35% decrease in R&D expenditure relative to our GDP over the last three decades.

To ensure that the U.S. remains a global leader in innovation, we ask that Congress fund sustained, robust growth for the science agencies, including the NASA Science Mission Directorate (SMD) and the NSF.

The FY24 funding AAS requests will allow NASA and the NSF to support a balanced, coordinated, and world-leading planetary sciences program that advances top community priorities.

### 2023 Appropriations Request

<table>
<thead>
<tr>
<th>Account</th>
<th>FY23 Enacted</th>
<th>FY 2024 PBR</th>
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<tr>
<td>NASA</td>
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All values are given in billions of USD.

- NASA requires a robust increase to the **Planetary Science Directorate budget** in order to support a Planetary Science Research & Analysis budget that is 10% relative to PSD, in accordance with the 2022 Planetary Sciences and Astrobiology decadal survey and maximizes return on mission investments.
- An increased SMD budget would also enable **NEO Surveyor to launch without delay** as well as the continued support for the Planetary Defense Coordination Office activities.
- The NASA proposed mission selection process and subsequent funding stability should not be a source of uncertainty, and ensuring that selected missions proceed as planned is a top community priority with broader implications for workforce retainment.

*Above: Students from Virginia State University participating in the Here to Observe (H2O) program meet with members of the Dragonfly team. Programs like H2O expand opportunities for early career researchers from a range of institutions to participate in missions like Europa Clipper, Lucy, Dragonfly, and DART. (NASA)*

Data retrieved from the AAAS R&D budget and policy tracker at aaas.org/programs/r-d-budget-and-policy/historical-trends-federal-rd