

National Aeronautics and
Space Administration



EXPLORE SCIENCE

**Lori S. Glaze, Ph.D., NASA Planetary
Science Division Director**

**Planetary Science Advisory
Committee (PAC) Meeting**

December 5, 2022

Planetary Science and Astrobiology Decadal Survey 2023–2032

- *Origins, Worlds, and Life* released April 19, 2022
- Initial written and public townhall response [available online](#)
- Will report to CAPS on progress going forward
 - Next planned CAPS meeting: March 2023



Recommended Program

Total PSD
budget
FY23– FY32:
\$41,120M


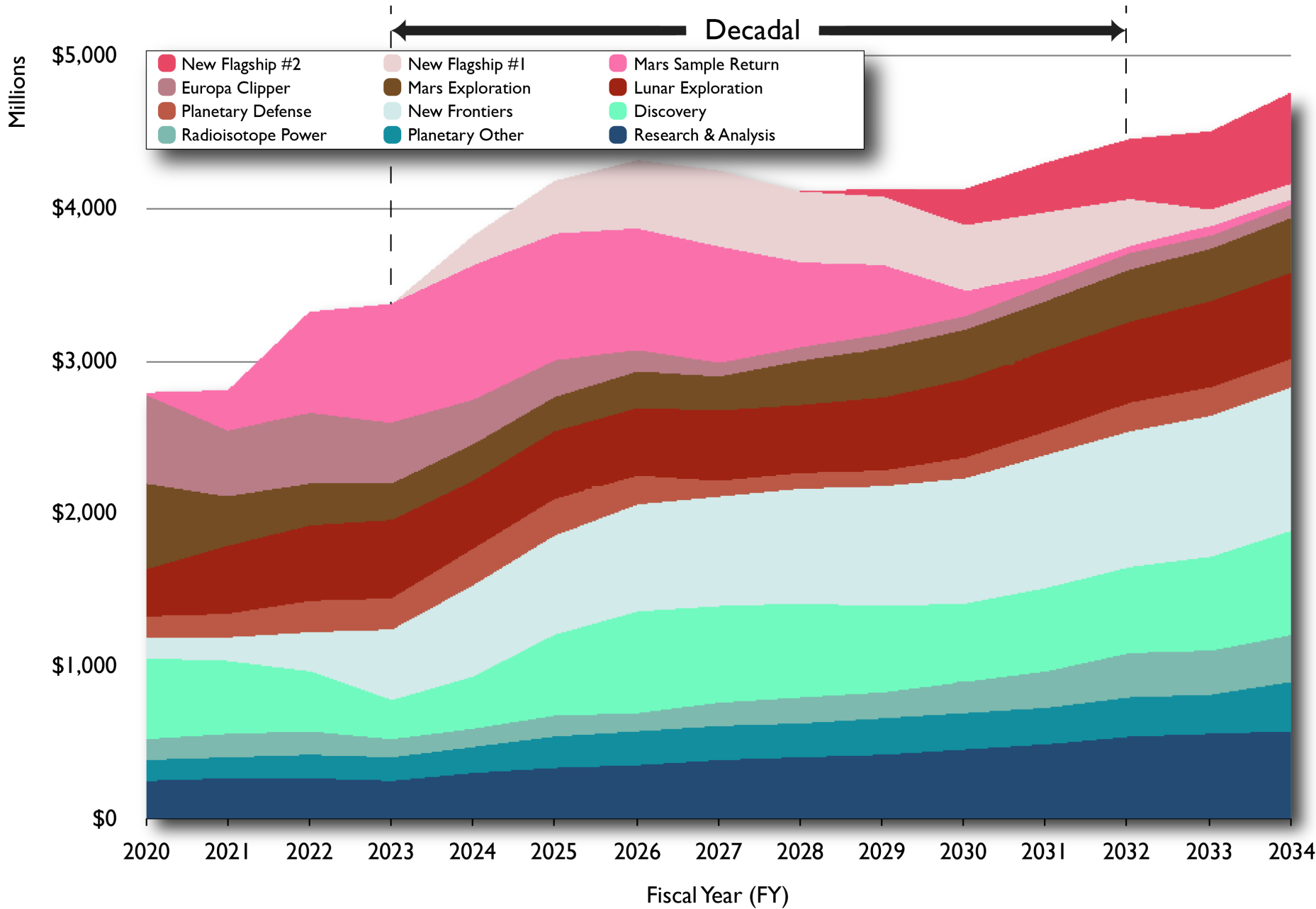


Table 22.2,
Fig 22.1



Level Program

Total PSD
budget
FY23– FY32:
\$34,990M


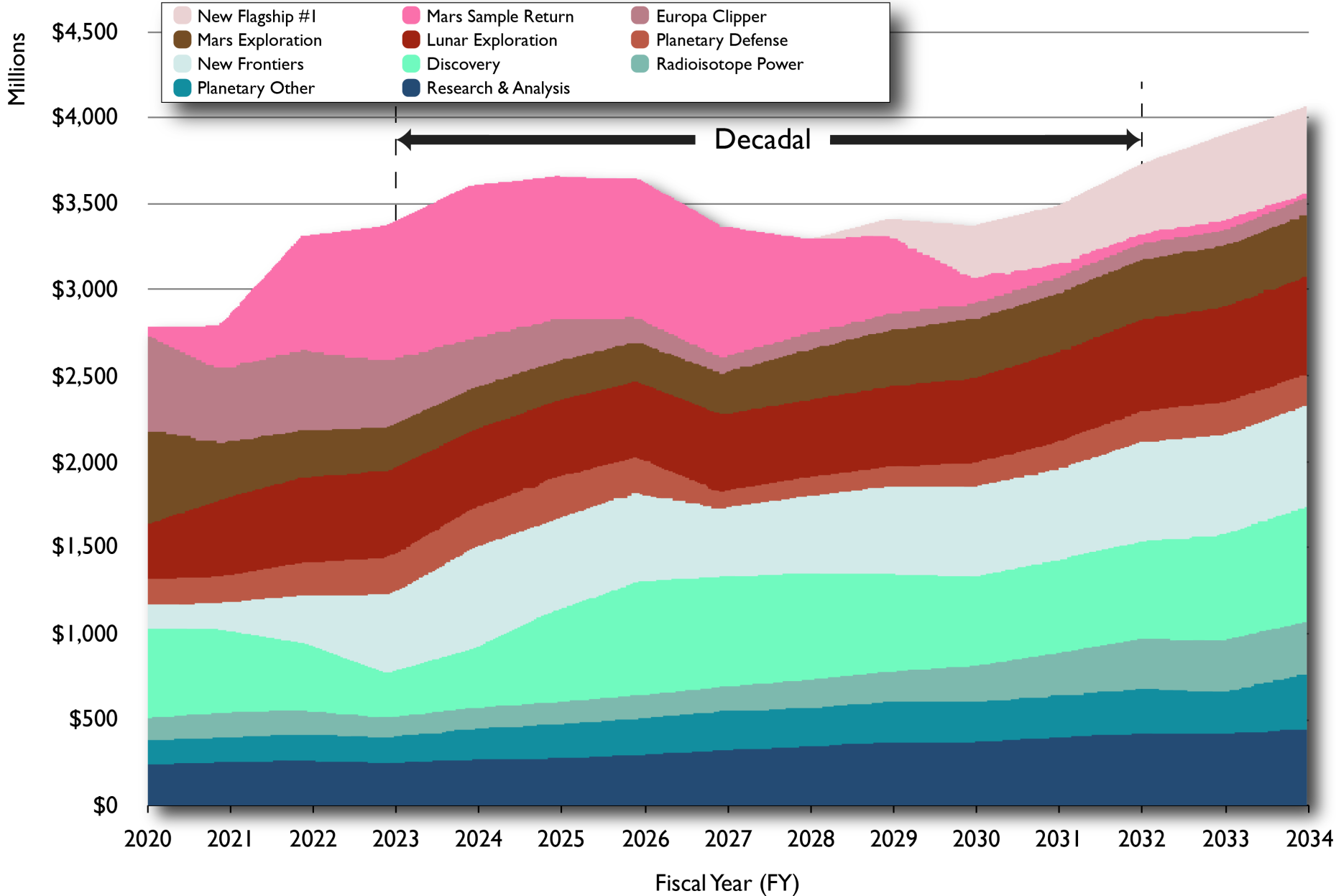
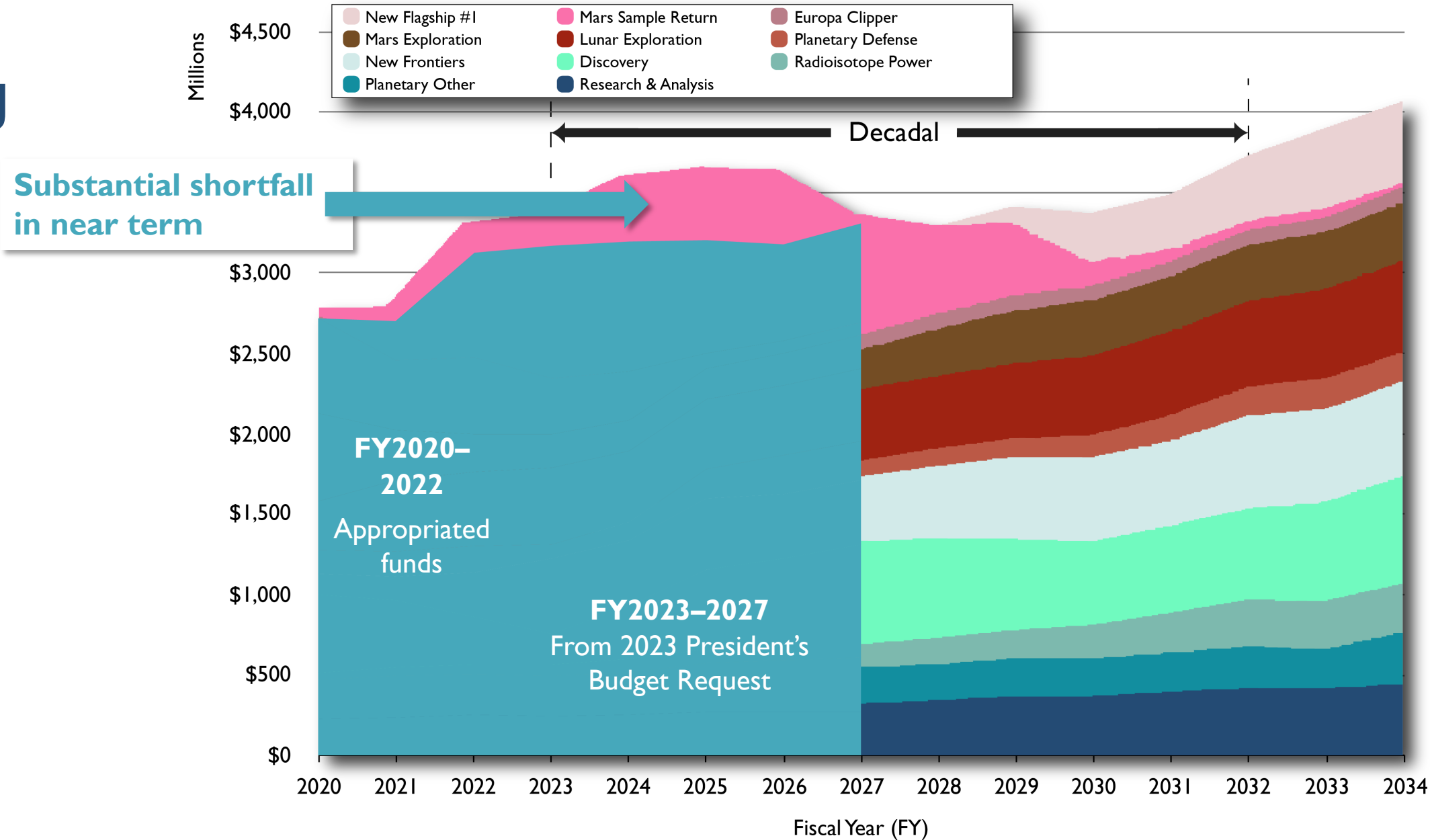


Table 22.2,
Fig 22.2



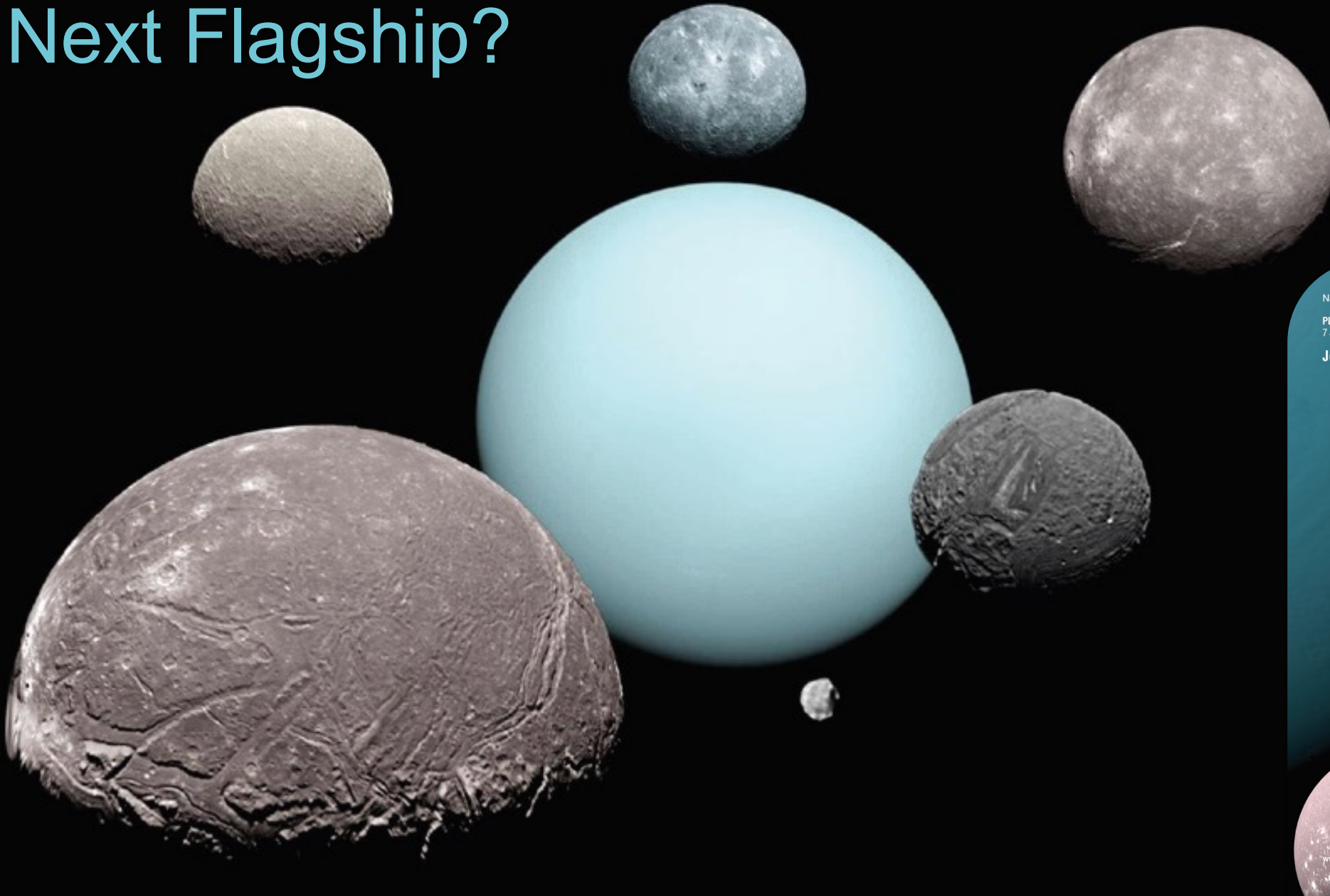
Current Planning Budget



Next Flagship?



Chapter 22



National Aeronautics and Space Administration

PLANETARY MISSION CONCEPT STUDY FOR THE 2023-2032 DECADAL SURVEY
7 June 2021



Journey to an Ice Giant System

URANUS
ORBITER & PROBE

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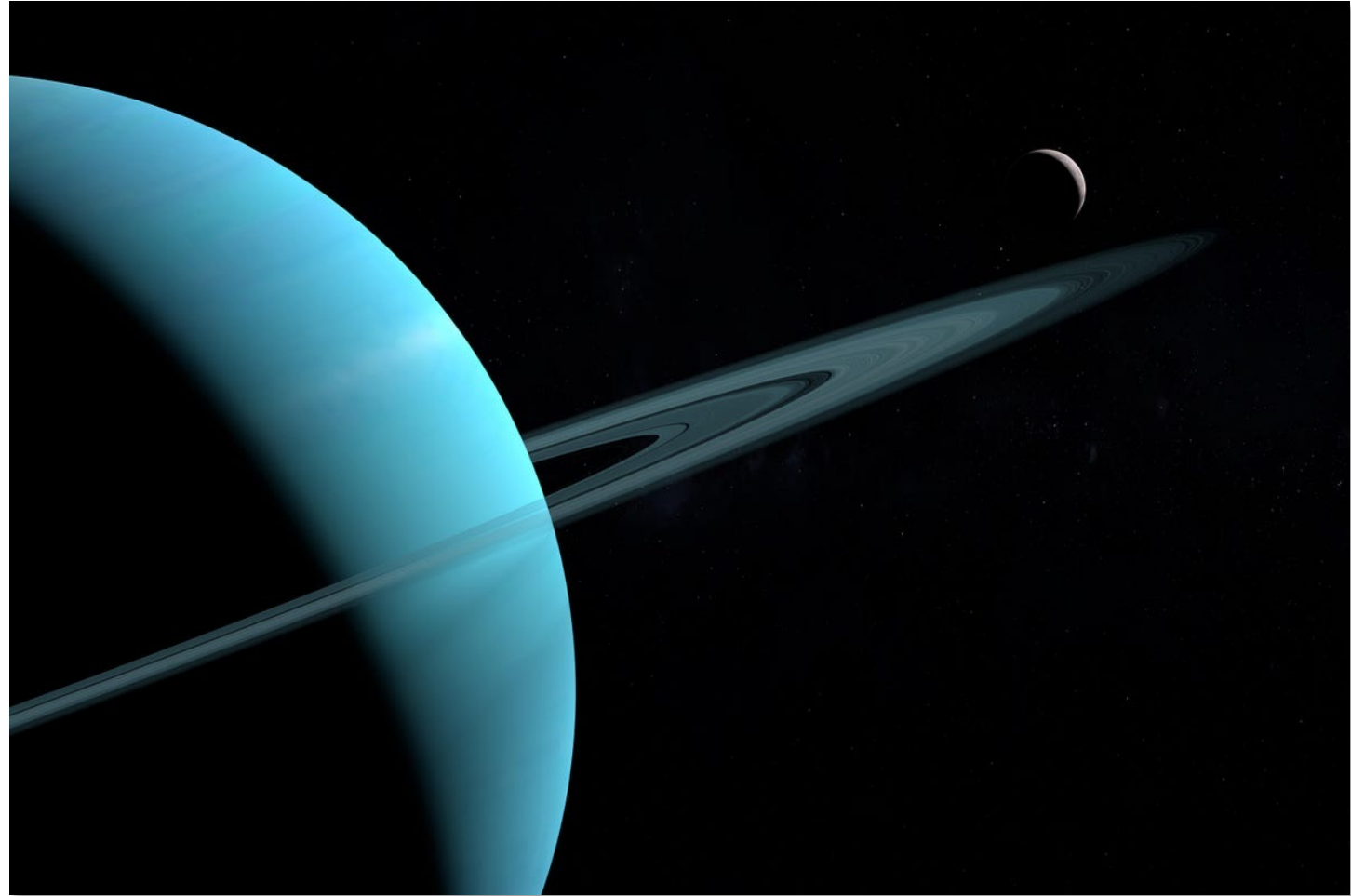
www.nasa.gov

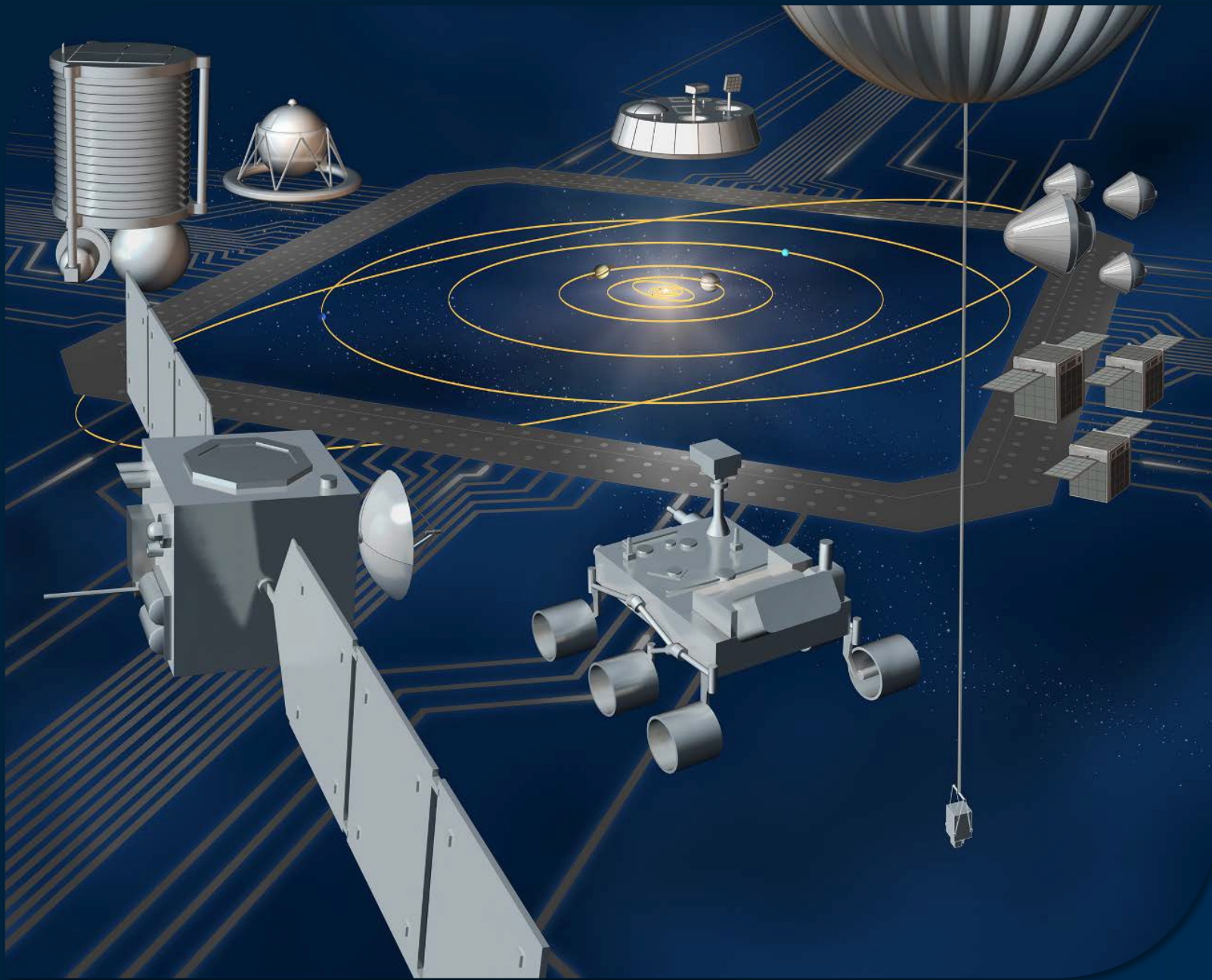
Uranus Flagship Status

- Science and mission concept are well established, well studied, and strong
- Working on a plan for **limited technical studies** (rather than large STDY) and **early payload selection**
 - Need NASA and other stakeholders on board before plan is public
- **Patience and flexibility!** This will be a long road

Near-term activities

- Trajectory studies for later launches and longer cruises
- Focus the broad trade space of payload scale and strategy
- Prepare for FY25 budget this spring





Technology



Rec. 21-2

2015 PSD Technology
Plan [available online](#)



State of the Profession



Chapter 16



National Aeronautics and Space Administration



MISSION EQUITY



2022

NASA EQUITY
Action Plan

A composite image featuring a young girl in the foreground, looking down at a glass jar filled with glowing fireflies. She is wearing a red, white, and blue striped tank top with white stars. The background is a magical night scene with a starry sky, a boy in the distance holding a net, and rolling hills under a twilight sky. A bird is seen flying in the upper right. The overall mood is whimsical and exploratory.

EXPLORE

With Us