

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

DIVISION ON ENGINEERING AND PHYSICAL SCIENCES
SPACE STUDIES BOARD

**Committee on Astrobiology and Planetary Sciences
Meeting No. 1 on New Frontiers Mission List Review**

February 13, 2024

Virtual Meeting

ALL TIMES IN US EASTERN STANDARD TIME (UTC-4:00)

This agenda is a draft, subject to change, and was last updated on 2/6/2024 10:48 AM

AGENDA

TUESDAY, FEBRUARY 13, 2024

OPEN SESSION

Livestream Link: <https://vimeo.com/event/4069167>

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| 10:30 AM | Welcome and Introductions | <i>Dr. Martha Gilmore, CAPS Co-Chair /
Dr. Karyn Rogers, CAPS Co-Chair</i> |
| 10:35 AM | Discussion of CAPS New Frontiers Mission List Review Task with NASA Planetary Science Division*
(30 minute presentation & 25 minute discussion period) | <i>Dr. Lori Glaze, Director, Planetary Science Division, NASA
Dr. Curt Niebur, Lead Scientist for Flight Programs, Planetary Science Division, NASA</i> |
| 11:30 AM | <i>Meeting Adjourns to Closed Session (or at a time at the discretion of the Co-Chairs)</i> | |

The following information is provided for any members of the general public who may be in attendance:

This meeting is being held to gather information to help the committee in its charge. This committee will examine the information and material obtained during this, and other public meetings, in an effort to inform its work. Although opinions may be stated and lively discussion may ensue, no conclusions are being drawn nor will recommendations be made. Observers who draw conclusions about the committee's work based on this meeting's discussions will be doing so prematurely.

Furthermore, individual committee members often engage in discussion and questioning for the specific purpose of probing an issue and sharpening an argument. The comments of any given committee member may not necessarily reflect the position he or she may actually hold on the subject under discussion, to say nothing of that person's future position as it may evolve in the course of the project. Any inference about an individual's position are therefore also premature.

NOTES FOR PRESENTERS

Your presentation may not include unpublished data, ITAR controlled and/or other sensitive information.

At some point a staff member will be asking you to sign a consent form allowing us to use your presentation, specifically to post it on our website.

STATEMENT OF TASK

Task Initiated on 25 January 2024

The National Academies of Sciences, Engineering, and Medicine will address the following questions:

- Has scientific understanding or external factors, such as programmatic developments or technological advances, significantly changed since the New Frontiers 5 (NF-5) mission themes or New Frontiers 6 (NF-6) mission themes were evaluated by most recent planetary science and astrobiology decadal survey, Origins, Worlds, and Life (OWL)?
- Has scientific understanding or external factors, such as programmatic developments or technological advances, been sufficiently substantial since the 2011 Visions to Voyages decadal survey to warrant reconsidering or removing any of these mission themes?
- Given that NASA anticipates the next New Frontiers Announcement of Opportunity (AO) will be released no earlier than 2026, should NASA use the mission themes provided in the draft NF-5 AO (released 1 September 2023), the NF-6 mission themes as provided in OWL, or a hybrid of the these?