

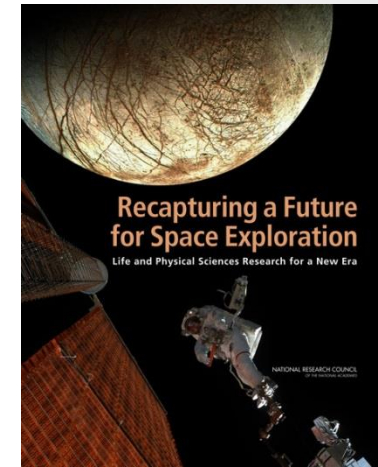
Committee on Biological and Physical Sciences in Space (CBPSS)

Disclaimer: These slides represent a personal assessment of the issues discussed by the CBPSS. This document should not be cited or quoted because the views expressed do not necessarily reflect those of CBPSS, SSB, ASEB, or the Academies.

CBPSS Status

- CBPSS is scheduled to meet in mid-December in Irvine
- Meeting planning has been delayed due to an extended interruption in funding
- Critical to hold December meeting
- Goals for meeting:
 - “Meet” new Director of NASA’s Division of Space Life and Physical Sciences Research and Applications
 - Program briefings from NASA to bring new CBPSS members up to speed and update returning members
 - Selection and planning of focus topic for Space Week meeting
 - Status of Mid-term review of decadal study

Mid-Term Review of Decadal



- Original target start date of study was April 2016
- Spending authority for study received Oct. 18th
- Nominees are currently being identified and contacted based on an earlier call for nominations, some already
- Four meetings are planned, first expected in early 2017
- Some aspects of this mid-term review:
 - Will focus on *challenges and opportunities* provided by changing program landscape for microgravity research
 - Will map previous decadal priorities against human exploration needs
 - Will include a community input meeting

Updates from ASGSR (Oct. 25-29)

- Flight experiment opportunities on ISS continue to be very limited for U.S. Principal Investigators, but
- Interest and creativity of the research community is very high
- Ongoing coordination activities with the Chinese space program were mentioned frequently by European investigators
- Interest in use of microgravity for commercial research, and non-NASA research, continues to grow
- Opportunities to fly *sub-orbital* experiments growing rapidly
- Some changes in direction of SLPSRA are expected under new leadership

Key Issues for CBPSS

- The successful transition of microgravity research from ISS to a post-ISS era continues to be a central issue, with nuances.
- Questions include:
 - Timing and steps in the transition? Decadal and platforms
 - Role of NASA? Exploration science beyond LEO
 - Role of commercial service providers and users?
 - Role of other government agencies such as NSF?
 - Maintaining health and diversity of microgravity disciplines