

MEPAG Meeting #38

Day 3: Introduction

R. Aileen Yingst, MEPAG Chair

15-17 April 2020

*2018 Planet-Encircling Dust Event
MRO MARCI / MSSS / JPL / NASA*

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Agenda Day 3

Goals for Day 3

- Finalize draft Findings
- Present and discuss mission updates and MASWG update

Virtual Meeting - Friday, April 17, 2020				
8:30 AM Start		Reports from Mars Missions		11:30 AM Start
08:30 AM	0:10	Introduction	R.A. Yingst	11:30 AM
08:40 AM	0:40	ExoMars: TGO & 2022 Rover/Surface Platform	J. Vago	11:40 AM
09:20 AM	0:20	United Arab Emirates Mission to Mars	S. Amiri	12:20 PM
09:40 AM	0:20	Mars Moons Exploration (MMX)	T. Usui	12:40 PM
10:00 AM	0:15	Break		01:00 PM
10:15 AM	0:20	M2020 (Perseverance): 90 Days to Launch	K. Farley	01:15 PM
10:35 AM	0:20	InSight	B. Banerdt	01:35 PM
10:55 AM	0:10	MAVEN	B. Jakosky	01:55 PM
11:05 AM	0:10	MRO	R. Zurek	02:05 PM
11:15 AM	0:15	MSL	A. Vasavada	02:15 PM
11:30 AM	0:10	ODY	J. Plaut	02:30 PM
11:40 AM	0:15	Break		02:40 PM
		Mars Architecture Strategy WG (MASWG)		
11:55 AM	0:10	MASWG Status	B. Jakosky	02:55 PM
		MEPAG Issues and Concerns		
12:05 PM	0:25	MEPAG Findings Old & New	R.A. Yingst	03:05 PM
12:30 PM	0:30	Discussion	All	03:30 PM
01:00 PM		End of Day 3 Virtual Meeting		04:00 PM

Meeting Ground Rules

- Speakers will be kept on time according to the agenda
- Questions/comments?
 - *Use chat box on Adobe Connect either during or after talks; moderators will track questions*
 - Feedback/questions after meeting? → MEPAGmeetingQs@jpl.nasa.gov
 - Should we experience a severe disruption during the meeting, attendees should check the MEPAG website for an update.
- Presentations and Meeting summary notes (once cleared and waived) will be made available on MEPAG website ~April 30
 - We will develop a draft of Findings during the course of the meeting. These will be briefed to the Mars Exploration Program and, through the Planetary Science Advisory Committee (PAC), to the NASA Advisory Council (NAC)
 - Please do not take pictures of slides

Meeting Etiquette

- Please adhere to our profession's code of conduct. All participants are expected to behave according to professional standards and in accordance with their employer's policies on appropriate workplace behavior.
- We ask that you:
 - Avoid using flashing GIFs
 - Mute your microphone when you are not speaking
 - Respect the speakers and your fellow attendees and their needs

If you need to report an issue, please send a private chat to the meeting hosts.

Updates from Day 2

- Addressing Decadal Survey Statement of Task RE: humans to Mars
 - Many white papers pointed to “humans to Mars.” This is an important issue, but note that white papers should be focused on the science.
 - MEPAG Goals white paper (Goal IV) may be pointed to, to allow more text space for science.
- White papers and MEPAG
 - MEPAG is planning a very short list of white papers to actually author, and only those for which broad community consensus can be stated. See next slide.
- Meeting format
 - Continuing discussion regarding the “long” virtual meeting format.

White paper list

- White papers MEPAG Steering Committee intends to author
 - MEPAG Goals
 - Mars as a compelling target for science and exploration
 - Mars community consensus regarding New Frontiers candidate list (also addressed by MASWG)
- White papers that MEPAG encourages to be written
 - Looking for Life – strategy for Mars (PoC Alfonso Davila)
 - Why we need to complete MSR (PoC Dave Beaty)
 - MSR science/curation-related activities that need to happen in the 2020s (PoC Beaty/McCubbin)
 - Mars beyond MSR (MASWG)
 - Mars as a target for emerging capabilities (PoC Scott Hubbard, Chad Edwards)

Summary of MEPAG 37 Findings

- Progress on Mars Sample Return (MSR) is encouraging...
-as is progress (through MASWG) on defining a structure for crucial Mars science in parallel with and post-MSR.
- MEPAG continues to see possibilities in small spacecraft missions, secondary payloads, and partnerships with international or commercial sector entities.
- To support both orbital and landed science, MEPAG recommends a systematic approach to relay satellites.
- MEPAG celebrates the many new international Mars missions!