

Mars Exploration Program Analysis Group (MEPAG)

Welcome to MEPAG Virtual Meeting (VM) #5

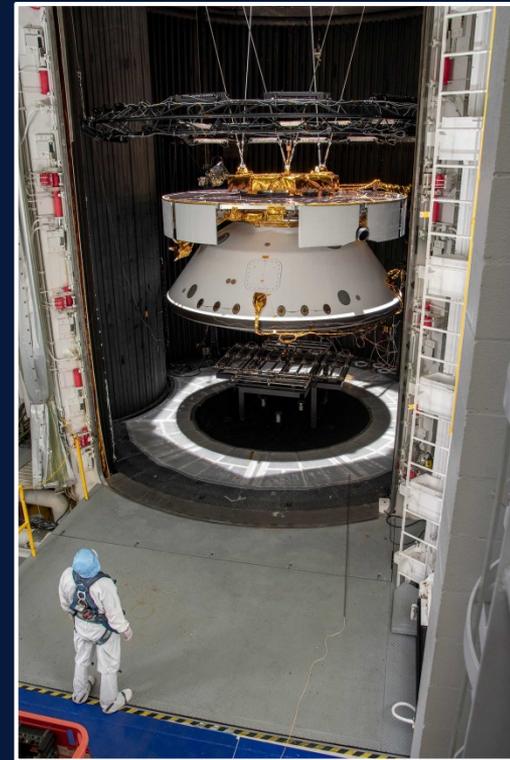
Jeffrey R. Johnson
MEPAG Chair
June 6, 2019

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Topics for today's virtual meeting (VM #5):

- 1) MEPAG Updates since VM #4 (February, 2019)
- 2) NASA Headquarters update
 - Budget and Plans, 2020 Mars Rover status
- 3) Ice and Climate Evolution Science Analysis Group (ICE-SAG) Final Report
- 4) 9th Mars Conference, MEPAG 37th Face-to-Face Meeting
- 5) Meeting Reports, Notices
 - Humans to Mars Summit: ISRU panel
 - Mars Sample Return Science Planning Group (MSPG) update
- 6) MEPAG Chair Transition: Welcome Dr. R. Aileen Yingst
- 7) Discussion/Meeting Close



<https://mars.nasa.gov/resources/22484/mars-2020-is-coming-together/>

Agenda

| <u>Start (EDT)</u> | <u>PDT</u> | <u>Duration</u> | <u>Title/topic</u> | <u>Presenter</u> |
|--------------------|------------|-----------------|--|-----------------------------------|
| 11:00 | 8:00 | 0:15 | Welcome/meeting agenda/MEPAG update | J. Johnson (JHU/APL) |
| 11:15 | 8:15 | 0:30 | NASA Headquarters Updates | M. Meyer (NASA HQ) |
| 11:45 | 8:45 | 0:15 | ICE-SAG Final Report | T. Putzig (PSI), S. Diniega (JPL) |
| 12:00 | 9:00 | 0:10 | 9th Mars Conference Preparations | S. Diniega |
| 12:10 | 9:10 | 0:10 | MEPAG 37th Face to Face Meeting Agenda | R. Zurek (JPL), J. Johnson |
| 12:20 | 9:20 | 0:10 | Humans to Mars Summit: ISRU panel report | S. Hubbard (Stanford) |
| 12:30 | 9:30 | 0:10 | MSR Science Planning Group update | D. Beaty (JPL) |
| 12:40 | 9:40 | 0:10 | MEPAG Chair Transition | J. Johnson; A. Yingst (PSI) |
| 12:50 | 9:50 | 0:10 | Discussion/Meeting Close | A. Yingst |
| 13:00 | 10:00 | | Adjourn | |

VM Logistics:

- Please mute your phone
- Use chat box on WebEx; moderators will track questions
- Feedback/questions during and after meeting? → MEPAGmeetingqs@jpl.nasa.gov
- Presentations will be online after meeting

MEPAG Activities since 2/25/19 meeting VM #4 (1 of 3)

- Convened VM #4 meeting (~120 attendees)
 - Summary of meeting posted: https://mepag.jpl.nasa.gov/meeting/2019-02/MEPAG_VM4_NOTES_final.pdf
 - 1) Initial report from Ice and Climate Evolution Science Analysis Group (ICE-SAG); S. Diniega, T. Putzig--https://mepag.jpl.nasa.gov/meeting/2019-02/ICE-SAG_Report_MEPAG_VM4_URS.pdf
 - 2) Initial discussions on Mars white papers for the 2023-2032 Decadal Survey
 - https://mepag.jpl.nasa.gov/meeting/2019-02/03_Johnson_DS_WhitePapers_MEPAG_VM4_v06.pdf
 - 3) Summary of Planetary Mission Concept Studies (PMCS) C.30 research opportunity (L. Glaze)
- Created googledocs spreadsheet for parties interested in communicating intentions for C.30 Planetary Mission Concept Studies (PMCS)
 - <https://docs.google.com/spreadsheets/d/1Y2kgSExZWPZpqMkIns8wdaAIAxWINvQzNwOkK23ewi0/edit#gid=1504963467>
 - 44 indications of interest entered
 - 7 potential mission concepts listed
 - Form used as template by LEAG, VEXAG communities

MEPAG Activities since 2/25/19 meeting VM #4 (2 of 3)

- LPSC peripheral MEPAG “meet-and-greet” (March 18, 2019)
 - ~45 attendees
 - Revisited Decadal Survey Mars white paper presentation from VM#4
 - Reached consensus on using googledocs-style spreadsheet for those authors who wish to inform others about white paper topics of interest
 - Could facilitate co-authors, co-signatories, and/or combining of similar efforts among multiple authors under a single entry
 - Awaiting Planetary Science Decadal Survey charter/scope documents before initiating
- Distributed monthly newsletters
 - <https://mepag.jpl.nasa.gov/newsletters.cfm>
- Continued work on creating joint statement on diversity goals among all Analysis/Assessment Groups (C. Ernst, APL/SBAG)

MEPAG Activities since 2/25/19 meeting VM #3 (3 of 3)

- Revised MEPAG Committee memberships
 - Goals Committee:
 - Rotating off:
 - Ryan Whitley (NASA JSC, Goal IV)
 - Rotating on:
 - Michelle Rucker (NASA JSC, Goal IV)
 - Executive Committee:
 - Rotating off as MEPAG Chair:
 - Jeff Johnson (JHU/APL), will remain “ex officio” status on Exec. Committee
 - Rotating on as MEPAG Chair:
 - R. Aileen Yingst (PSI)
- ✓ Search for Goal III replacement underway

Executive Committee



Jeff Johnson, Chair
JHU/APL



R. Aileen Yingst, PSI
Incoming Chair



Wendy Calvin, UNR



Don Banfield, Goals
Committee Chair, Cornell



Rich Zurek
MPO/JPL



Michael Meyer, NASA HQ



Dave Beaty
MPO/JPL



Jen Eigenbrode
GSFC



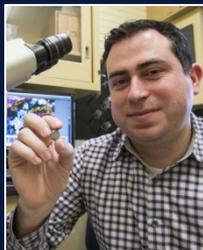
Jake Bleacher
NASA HQ



Paul Niles JSC



Scott Hubbard
Stanford



Justin Filiberto
LPI



Barbara Cohen
GSFC

Goals Committee



Jen Stern
NASA GSFC, Goal 1



Briony Horgan, Purdue, Goal 3



Don Banfield, Goals
Committee Chair, Cornell



Sarah Stewart Johnson
Georgetown, Goal 1



R. Aileen Yingst, PSI, Goal 3



Michelle Rucker
NASA JSC, Goal 4



David Brain
Univ. Colorado, Boulder
Goal 2



Robin Wordsworth
Harvard University
Goal 2



Jacob Bleacher NASA
GSFC, Goal 4

Mars Exploration Program Analysis Group (MEPAG)

Mars Program Office associates (Jet Propulsion Laboratory)



Serina Diniega



Brandi Carrier



Barbara Saltzberg

Upcoming Mars and MEPAG Activities

- Planetary Science Advisory Committee (PAC) presentation
 - June 12 or 13, 2019
 - < 10 minutes to report on MEPAG activities and meetings
- 9th International Conference on Mars
 - July 22-25, 2019 @Pasadena, CA
- Face-to-face Meeting #37
 - July 26, 2019, following 9th Mars meeting
 - To be discussed in detail at this meeting (12:10 pm)
- Mars Extant Life: What's Next?
 - November 5-8, 2019 (rescheduled from original January 29-February 1)

2019 PSD Mission Senior Review Schedule

- ✓ Interaction with Panels May 6
- Report to Planetary Science Advisory Committee (PAC) June 10
- PAC recommendations to NASA June 24
- NASA response/direction to Projects July 8

POTENTIAL MEPAG Timeline VM#5, June 6, 2019

Legend

- ▲ Conference or meeting
By community
- ▲ Conference or meeting
By MPO/MEPAG
- ◆ Potential study/workshop (→ report)
By MPO/MEPAG
- Potential workshop (→ report)
By MPO/others

Formulating a Mars architecture

Science progress/ what we know

Science meetings/workshops

MEPAG Goals revisions:

MEPAG Meetings (notional)

What we should do: MSR

What we should do: Non-MSR

