



MEPAG Virtual Meeting (VM) 10

R. Aileen Yingst, MEPAG Chair

20 October 2020



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United Launch Alliance Atlas V rocket launches with NASA's Mars 2020 Perseverance rover from Space Launch Complex 41, Thursday, July 30, 2020, at Cape Canaveral Air Force Station in Florida. Credits: NASA/Joel Kowsky

Mars Exploration Program Analysis Group (MEPAG)



Agenda and 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 and recording will be online after meeting

PDT	Topic	Speaker	EDT
10:00 AM	MEPAG Update	R. A. Yingst	1:00 PM
10:10 AM	Changes in MEP Leadership	E. Ianson M. Meyer	1:10 PM
10:35 AM	Decadal Survey Update	D. Smith	1:35 PM
10:50 AM	NASEM Reviews and Recommendations for Planetary Protection	S. Hubbard	1:50 PM
11:35 AM	Break		2:35 PM
11:45 AM	NASEM Committee on Planetary Protection (CoPP) and other responses to external reviews	L. Pratt	2:45 PM
12:30 PM	LPI's New Initiative: Brines Across the Solar System Conference Series	J. Filiberto	3:30 PM
12:35 PM	NF5 AO Status and Request for Community Input	C. Niebur	3:35 PM
12:55 PM	Findings/Action Items	R. A. Yingst	3:55 PM
1:15 PM	End		4:15 PM



MEPAG Programmatics

– Steering Committee (Chair: R. Aileen Yingst (PSI), appointed June 2019)

- W. Calvin (Univ. Nevada Reno)
- J. Eigenbrode (GSFC)
- D. Banfield (Cornell)
- J. Filiberto (LPI)
- S. Hubbard (Stanford University)
- **S.S. Johnson (Georgetown University)** ← Welcome Sarah!!
- **Vacancy (DEIA representative)**
- J. Johnson (past Chair, JHU/APL)
- M. Meyer (NASA HQ)
- D. Beaty, R. Zurek (JPL)
- J. Bleacher/P. Niles (HEOMD, NASA HQ) Ex Officio members

– Goals Committee (D. Banfield, Chair)

- **Goal I <Life>** (J. Stern, GSFC; A. Davila, ARC)
- **Goal II <Climate>** (**R. Wordsworth, Harvard University (rotating off)**), D. Brain (Univ. Colorado)
- **Goal III <Geology>** (B. Horgan, Purdue, Becky Williams, PSI)
- **Goal IV <Human Exploration>** (J. Bleacher, NASA HQ HEOMD; M. Rucker, P. Niles JSC)

Mars Program Office associates
(Jet Propulsion Laboratory)



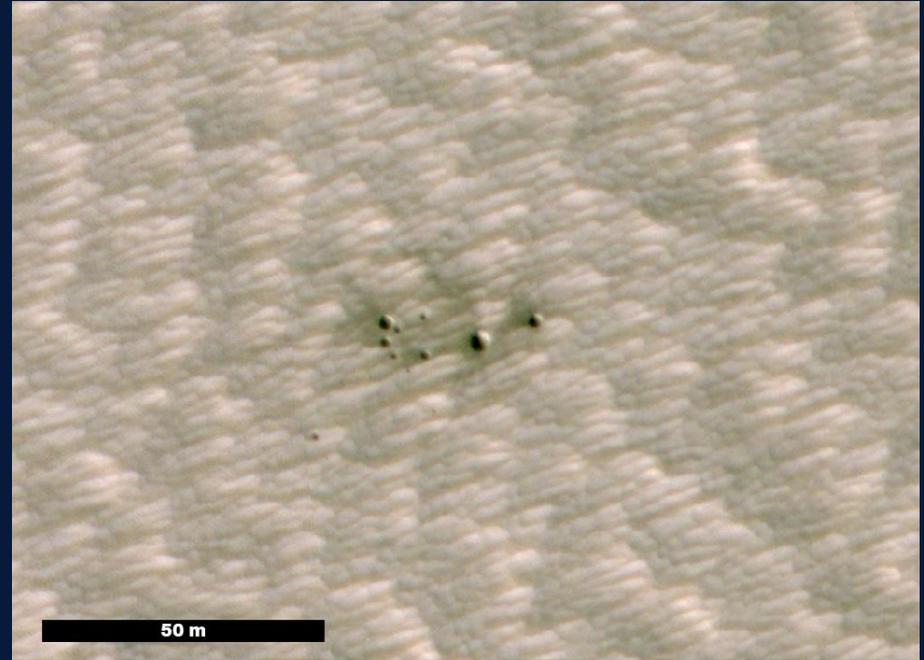
Brandi Carrier



Barbara Saltzberg

Updates since VM9

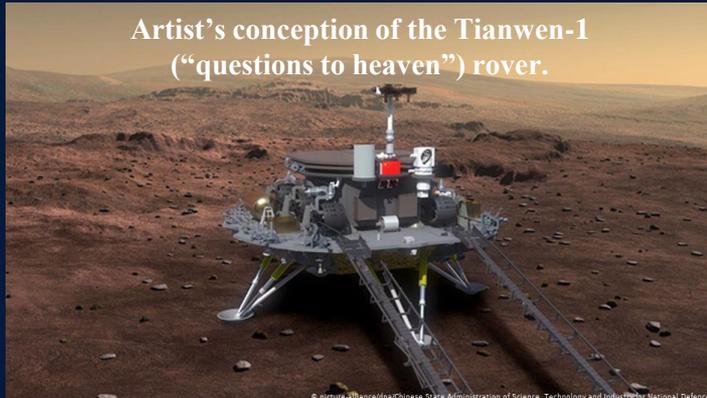
- Decadal Survey white papers submitted
- PAC meeting (virtual) August 17-18 2020
- AG Chair caucus latest 16 October 2020



The High-Resolution Imaging Science Experiment (HiRISE) camera aboard NASA's Mars Reconnaissance Orbiter took this image of a crater cluster in Noctis Fossae, the first ever to be discovered artificial intelligence (AI). The AI first spotted the craters in images taken the orbiter's Context Camera; scientists followed up with this HiRISE image to confirm the craters. Credit: NASA/JPL/MSSS.

July: Three launches to Mars!

- UAE Hope mission
- China Tianwen-1
- NASA Mars 2020 Perseverance



The UAE finished construction on its Hope spacecraft, bound for Mars, earlier this year. Image: © Government of Dubai Media Office.



ExoMARS Rover/Surface Platform: Launch still planned —2022





Decadal Survey tentative schedule

- NASA-NASEM negotiate Statement of Task Done
https://sites.nationalacademies.org/SSB/SSB_198165
- Web Site opens for White Paper Done
- Co-Chairs for DS announced (Canup, Christensen) Done
- Deadline for *Science* White Paper Submittal Done
- DS Steering Committee/Panel Chairs organize Summer/Fall 2020
 - Sign up at the NAS website for updates of open sessions
- First complete draft of survey report assembled ~10/2021
- Final Report released March 2022 (LPSC)

Other Upcoming Mars Activities

- [GSA annual meeting](#)
 - October 26-30
- [52nd Meeting of the AAS Division for Planetary Sciences](#)
 - October 26-30
- [Planetary Science and Astrobiology Decadal Survey 2023-2032 Steering Group Meeting 4](#)
 - October 30
- [Planetary Science and Astrobiology Decadal Survey 2023-2032 Steering Group Meeting 5](#)
 - November 11-12
- [AGU annual meeting](#)
 - December 7-11
- [Planetary Science and Astrobiology Decadal Survey 2023-2032 Steering Group Meeting 6PAC Meeting](#)
 - December 8

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