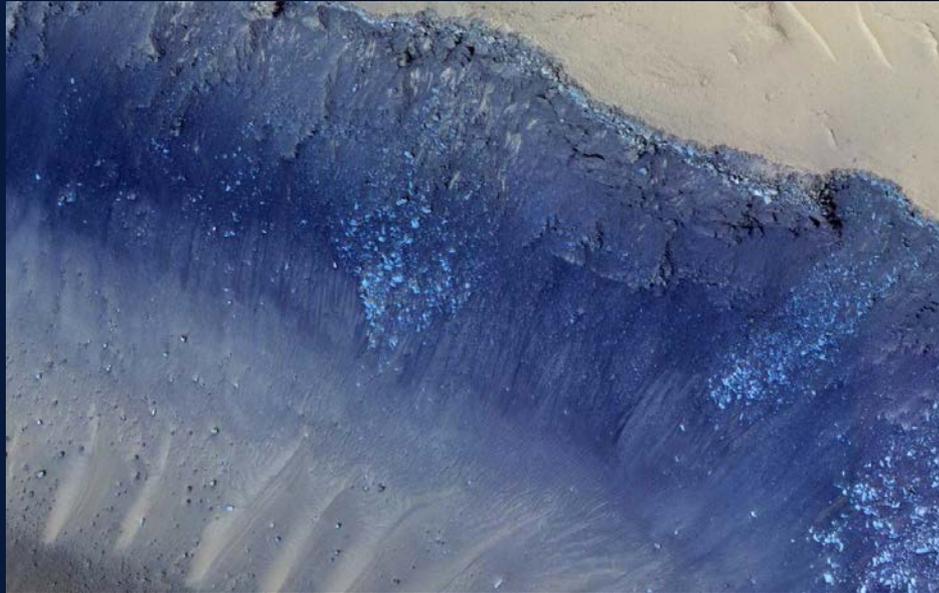


MEPAG Virtual Meeting (VM) 8

R. Aileen Yingst, MEPAG Chair

28 February 2020



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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 will be online after meeting

Time	Duration	Virtual Meeting #8 1:30 - 3:30 p.m. EST	
EST	minutes	Topic	Speaker
1:30	0:15	1. MEPAG Activities since VM7	A. Yingst
1:45	0:10	2. MEP Update	M. Meyer
1:55	0:05	3. MASWG Status	B. Jakosky
2:00	0:30	4. Goals Document Update following Community Inputs	D. Banfield
2:30	0:20	Discussion	All
2:50	0:10	5. JWST Cycle 1 Call for Proposals	S. Milam
3:00	0:15	6. PDS Update	R. Arvidson
3:15	0:05	7. New Planetary Science Journal (PSJ)	R. Beyer
3:20	0:10	Discussion/Meeting Close	All
3:30	2:00	End	

Executive Committee



R. Aileen Yingst,
PSI
Chair



Jeff Johnson,
JHU-APL
Past Chair



Jen Eigenbrode
GSFC



Dave Beaty
MPO/JPL



Michael Meyer, NASA HQ



Wendy Calvin, UNR



Don Banfield, Goals
Committee Chair, Cornell



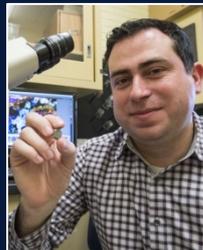
Rich Zurek
MPO/JPL



Jake Bleacher
NASA HQ



Paul Niles JSC



Justin Filiberto
LPI



Barbara Cohen
GSFC



Scott Hubbard
Stanford



Mars Program Office associates

(Jet Propulsion Laboratory)



Serina Diniega



Johanna Bernal



Brandi Carrier



Barbara Saltzberg

Updates since VM7

- Virtual PAC meeting 6 December 2019
- Decadal Survey white papers discussion January 2020
- Budget and ROSES call both out
- 14 February 2020



Mars 2020 rover undergoing processing at Florida Spaceport

Mars Exploration Program Analysis Group (MEPAG)



FY21 Budget — Administration

Budget Authority (in \$ millions)	Op Plan FY 2019	Enacted FY 2020	Request FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Mars Organic Molecule Analyzer (MOMA)	6.9	--	6.9	4.0	4.0	3.0	0.0
Aeroscience Ground Test Capabilities	12.5	--	0.0	0.0	0.0	0.0	0.0
ExoMars	2.1	--	2.2	2.0	2.0	2.0	2.0
Mars Program Management	13.2	--	12.3	12.3	12.3	12.3	12.3
Mars Future Missions	30.3	--	232.6	405.6	550.8	713.4	775.0
Mars Mission Operations	1.9	--	5.4	5.4	5.4	5.4	5.4
Mars Research and Analysis (R&A)	10.0	--	11.7	11.7	14.7	14.7	14.7
Mars Technology	20.5	--	6.7	4.4	4.4	4.4	4.4
2011 Mars Science Lab	51.1	--	40.0	0.0	0.0	0.0	0.0
Mars Reconnaissance Orbiter 2005 (MRO)	26.0	--	25.5	25.0	24.5	23.5	23.5
Mars Exploration Rover 2003	3.6	--	0.0	0.0	0.0	0.0	0.0
Mars Odyssey 2001	11.5	--	1.0	0.0	0.0	0.0	0.0
Mars Express	2.8	--	0.0	0.0	0.0	0.0	0.0
Mars Atmosphere & Volatile Evolution (MAVEN)	17.9	--	22.0	21.0	20.0	20.0	18.0
Total Budget	210.1	--	366.2	491.4	638.2	798.7	855.3



Blank because the FY2020 Operating Plan was not finalized at the time of the release of the FY21 budget proposal.

Mars Exploration Program Analysis Group (MEPAG)



FY21 Budget — Administration

NOA (\$M)	Op Plan	Op Plan	Pres. Request	Outyear Targets						
	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025			
Mars Organic Molecule Analyzer (MOMA)	6.9		6.9	4.0	4.0	3.0	0.0			
ExoMars (TGO Co-I)	2.1		2.2	2.0	2.0	2.0	2.0			
Mars Program Management	13.2		12.3	12.3	12.3	12.3	12.3			
Mars Future Missions (MSR & Ice Mapper)	30.3		232.6	405.6	550.8	713.4	775.0			
Mars Mission Operations	1.9		5.4	5.4	5.4	5.4	5.4			
Mars R&A	10.0		11.7	11.7	14.7	14.7	14.7	PMSR	PMSR	
Mars Technology	20.5		6.7	4.4	4.4	4.4	4.4	Guidelines	Sci. Floor	
MSL	51.1	49.0	40.0	0.0	0.0	0.0	0.0	53.0	49.0	
MRO	26.0	27.4	25.5	25.0	24.5	23.5	23.5	28.0	24.4	
ODY	11.5	11.7	1.0	0.0	0.0	0.0	0.0	11.7	11.7	
MEX-US	2.8	1.4	0.0	0.0	0.0	0.0	0.0	3.0	3.0	
MAVEN	17.9	21.3	22.0	21.0	20.0	20.0	18.0	22.8	17.1	
Contuing Mission Subtotal (\$M)	109.3	110.8	88.5	46.0	44.5	43.5	41.5	118.5	105.2	
Totals (\$M)	194.2		366.3	491.4	638.1	798.7	855.3	118.5	105.2	

Decadal Survey tentative schedule

- NASA-NASEM negotiate Statement of Task Done
https://sites.nationalacademies.org/SSB/SSB_198165
- Web Site opens for White Paper February 2020
- Chair/Co-Chairs for DS announced March 2020 (LPSC)
- Deadline for White Paper Submittal July ??, 2020
- DS Steering Committee/Panel Chairs organize Summer 2020
- First complete draft of survey report assembled ~10/2021
- Final Report released March 2022 (LPSC)

Decadal Survey — potential white papers

- Mars Science Goals, Objectives and Priorities (MEPAG-sponsored)
- Mars as a New Frontiers target – community consensus (MEPAG sponsored)*
- Mars as a compelling science target*
- Mars beyond MSR*
- Why we need to complete MSR*
- Looking for Life strategy for Mars*
- Mars as a target for the emerging capabilities of commercial/NASA partnerships*
- Other white papers based on findings (e.g., aging orbital assets)*

*Key white papers recommended—but not necessarily led—by MEPAG Executive Committee members

MEPAG 38 Meeting, April 15-17, 2020, Arlington, VA

- Agenda will include updates about MEPAG, NASA and other space agency Mars activities, discussions about Mars exploration activities, and Mars community activities surrounding the Decadal Survey.
- Location: Residence Inn Arlington Capital View
- Important deadlines:
 - March 6, Early career travel grant application deadline
 - March 16, Hotel room block deadline
 - March 19, white paper concept submission deadline
 - April 1, Registration deadline, Community Forum topic suggestion deadline

Community White Paper Discussion at MEPAG 38 Meeting, April 15-17, 2020, Arlington, VA

Posters and 1-minute lightning talks; see [MEPAG 38-2nd Information Circular](#)

To request a presentation spot on a white paper concept, please submit the following information to this google form, by **5pm CDT Thursday, March 19, 2020 (during LPSC)**:

https://docs.google.com/forms/d/e/1FAIpQLSeeznQfN3i1EYcwECtklz2jsoCNZCmjKS-Zvm_aXl70xhaZjQ/viewform

- (Tentative) white paper title
- Point of Contact for a presentation on this white paper concept
- Existing author list
- Brief description of the intended white paper's content (no more than 1 page)

Other Upcoming Mars Activities

- IEEE Conference
 - March 7-14, SwRI, Big Sky, MT
- PAC Meeting
 - March 9-11, 2020, NASA HQ (AGs have 30 minutes)
- LPSC
 - March 16-20, 2020, The Woodlands, TX
 - MEPAG DS collaborative, March 18, 12-1:15pm
- MEPAG Face-to-Face Meeting #38
 - April 15-17, Arlington, VA
- V Mars Workshop
 - May 3–8, 2020 in Ecole de Physique, France
- 6th International Planetary Dunes Workshop
 - May 12-15, 2020 in Alamosa, CO
- Mars Atmosphere Modelling and Observations
 - June 8-11, 2020 in Paris, France

Mars Exploration Program Analysis Group (MEPAG)



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Mars Exploration Program Analysis Group (MEPAG)



Note: [At MEPAG #38](#) meeting there will be a community forum to discuss topical issues of issue to the entire Mars community, that have not had a previous chance to be heard. If you have a topic you would like to air at the meeting , contact me before April 1 yingst@psi.edu with the topic, including context, and who might address the issue

At the [March PAC meeting](#) we plan to:

- Review Past Findings
- Discuss Implications of FY20/21 budgets
- Discuss Decadal Survey preparations
 - MEPAG Big Questions
 - Goals Document Update
 - White Paper Activity
- Preview MEPAG #38 discussions