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Slopes of Mt. Sharp

## Welcome to the 30<sup>th</sup> MEPAG Meeting!

#### February 24-25, 2015

Lisa Pratt, MEPAG Chair

Pahrump Hills

Murray Formation

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#### Tuesday, February 24, 2015

08:15 AM 08:35 AM 09:30 AM 10:00 AM	Welcome, <i>L. Pratt</i> NASA: MEP Status/Mars Future plans, <i>J. Watzin</i> HEOMD plans, interactions, <i>B. Bussey/R. Davis</i> MEPAG response to NASA presentations, <i>L. Pratt</i>
10:20 AM	Break
10:40 AM 11:00 AM 11:25 AM	Mars Science, <i>M. Meyer</i> (call-in) NASA MEP Mission Status, <i>F. Li</i> Update from 2020 Rover project, <i>K. Farley</i>
12:00 PM	Lunch
01:30 PM	European Perspective/ExoMars planning, <i>R. de Groot</i>
02:00 PM	Japanese Mars Planning, <i>H. Miyamoto</i>
02:15 PM	Emerging Technologies/Mission Capabilities, <i>C. Whetsel/R. Lock</i>
02:45 PM	Break
03:15 PM	MEPAG Goals Revision , V. Hamilton & Goals Committee Members
05:45 PM	Day 1 discussion and wrap-up, L. Pratt
06:00 PM	Adjourn

#### Wednesday, February 25, 2015

08:00 AM	Agenda and actions for today; follow-up on Goals presentation; future activities, <i>L. Pratt</i>
09:00 AM	MAVEN Early Results & Prospects, D. Brain
09:40 AM	MOM Early Progress, R. Zurek
10:00 AM	Break
10:20 AM	The 2016 InSight Mission & L/S Process, <i>B. Banerdt/M. Golombek</i>
10:50 AM	Future Landing Site Observing, J. Grant/ M. Golombek
11:15 AM	ExoMars landing site process, J. Vago
11:35 AM	Discussion: Landing Sites for Human Missions, <i>R. Davis</i>
11:55 AM	MEPAG action Items; Wrap-up, <i>L. Pratt</i>
12:15 PM	Adjourn

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# MEPAG Directory Update

If your contact information/institution has changed in the last ~5 years, please check your entry in the printed directory.

### <u>To update</u>

 Online form: <u>http://goo.gl/forms/WilmhP1M9V</u> (also linked on MEPAG website)

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# **DISCUSSIONS – END OF DAY 1**

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#### Wednesday, February 25, 2015

08:00 AM Agenda and actions for today; follow-up on Goals presentation; future activities, *L. Pratt*09:00 AM MAVEN Early Results & Prospects, *D. Brain*09:40 AM MOM Early Progress, *R. Zurek*

10:00 AM Break

10:20 AM The 2016 InSight Mission & L/S Process, *B. Banerdt/M. Golombek* 10:50 AM Future Landing Site Observing, *J. Grant/M. Golombek* 11:15 AM ExoMars landing site process, *J. Vago* 11:35 AM Discussion: Landing Sites for Human Missions, *R. Davis* 11:55 AM MEPAG action Items; Wrap-up, *L. Pratt* 

12:15 PM Adjourn

Be ready to discuss Tuesday's presentations and MEPAG's response (possible Tiger Teams/SAGs)!

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# **DISCUSSIONS – START OF DAY 2**

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#### Wednesday, February 25, 2015

08:00 AM Agenda and actions for today; follow-up on Goals presentation; future activities, *L. Pratt*09:00 AM MAVEN Early Results & Prospects, *D. Brain*09:40 AM MOM Early Progress, *R. Zurek*

10:00 AM Break

- 10:20 AM The 2016 InSight Mission & L/S Process, B. Banerdt/M. Golombek
- 10:50 AM Future Landing Site Observing, J. Grant/M. Golombek
- 11:15 AM ExoMars landing site process, J. Vago
- 11:35 AM Discussion: Landing Sites for Human Missions, R. Davis
- 11:55 AM MEPAG action Items; Wrap-up, L. Pratt

12:15 PM Adjourn

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#### NASA HQ presentations

- This discussion, please focus on Watzin's topics.
- Later today (11:35), we will discuss Bussey and Davis' topics.

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## MEPAG Response to Proposed Program for 2020s

#### Next Orbiter SAG

NASA HQ has requested an analysis of the potential objectives for a 2022/24 multipurpose Mars orbiter.

- ➤ We assume the mission has collective goals:
  - Refresh infrastructure support (including telecommunications and landing site survey),
  - Reconnaissance for science of special regions and other high-priority objectives as defined in the 2015 MEPAG Goals document,
  - Resource identification in anticipation of future human missions to Mars,
  - Technical demonstration (in orbit) of functions to support sample return and other future missions.
- ➢ MEPAG is prepared to carry out this analysis.
  - Charter for a HEO/SMD jointly sponsored SAG is in work.
  - Will kickoff with Tiger Team to refine agenda and help with FY17 budget preparations.
  - Anticipate formation of the full-SAG following LPSC.
  - If interested, contact Rich Zurek and Serina Diniega.

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## MEPAG Response to Proposed Program for 2020s

#### **Human Science Objectives SAG**

NASA HQ has requested an analysis of the potential science objectives for a landed human mission on Mars. In particular: to assess how humans can be used to enhance science, estimate our level of scientific knowledge at time of landing, and characterize and prioritize the science goals.

- MEPAG is prepared to carry out this analysis.
  - Charter for a HEO/SMD jointly sponsored SAG is in final stages.
  - Anticipate team formation in the next few weeks.
  - Will provide input into HLS<sup>2</sup> (presented by B. Bussey/R. Davis).

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#### **MEPAG Goals Revisions**

19 March: Poster at LPSC (Hamilton et al., abstract #2543)

#### 20 March: Comments due

~1 May: Release of Final 2015 Goals Document

- Please provide written justification for any proposed changes.
- E-mail Vicky (<u>hamilton@boulder.swri.edu</u>) or <u>mepagmeetingqs@jpl.nasa.gov</u>, or annotate a printed copy.