

# Mars Exploration Program Analysis Group (MEPAG)

*chartered by NASA HQ to assist in planning the scientific exploration of Mars*

MEPAG Meeting  
June 16-17, 2011  
Lisbon, Portugal



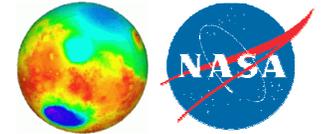
Dave Des Marais, *MEPAG Chair*

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# Developments in Mars Exploration Since October 2010 MEPAG Meeting

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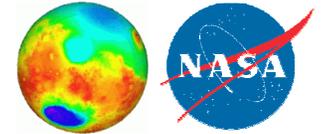


- The Decadal Survey was released in March
  - MSR rover/cacher highest priority for large missions
- President's budget released
- Mars Science Laboratory (MSL) shipping to the cape this month to prepare for launch
- Mars Atmosphere and Volatile Evolution Mission (MAVEN) is continuing development as the 2013 Scout mission (B. Jakosky, PI)
- ESA and NASA have signed an agreement for joint 2016 and 2018 missions, and a joint selection for Investigations for the 2016 ExoMars Orbiter was made
- Discovery Step 1 selections include Geophysical Monitoring Station (GEMS), a proposed Mars mission



## Goals for this Meeting

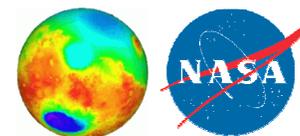
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- Update the community on progress in the exploration of Mars, including NASA and the European Space Agency
- Discuss Decadal Survey results and MEPAG response
- Listen and provide input to report of Mars Sample Return End-to-end International SAG (E2E-iSAG)
- Evaluate landing site selection process proposed for MSR
- Initiate activities by MEPAG to develop positions and inputs to future Mars exploration activities



# MEPAG Agenda, Day 1

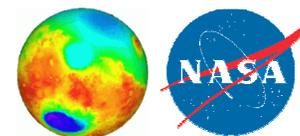


## Day 1 – Thursday June 16, 2011

09:00 AM	0:10	Setting the context: The importance of this as the first International MEPAG meeting	M. Meyer, J. Vago
09:10 AM	0:10	Welcome; Desired Outcomes of this Meeting, Introduction to the Agenda	D. Des Marais, MEPAG Chair
09:20 AM	0:45	NRC Decadal Survey Mars findings and implications	P. Christensen
10:05 AM	0:30	NASA implementation of the Decadal survey	M. Meyer
10:35 AM	0:15	Break	
10:50 AM	1:00	NASA/ESA: State of the Joint Program	D. McCuistion/J. Vago for T. Passvogel
11:50 AM	0:30	Status of NASA led operating and developmental missions	F. Li
12:20 PM	0:30	Status of ESA Mars Express operations and ESA/NASA ExoMars Trace Gas Orbiter development	O. Witasse/M. Allen
12:50 PM	1:30	Lunch	
02:20 PM		<b>Planning Activity Related to the proposed MSR Campaign</b>	
02:20 PM	0:05	Report of the MEPAG E2E-iSAG - Introduction	D. Des Marais
02:25 PM	0:30	Scientific objectives of the MSR campaign; kinds of samples, sampling priorities, number of samples needed	M. Sephton
02:55 PM	0:30	Planning for what the science community of the future will do with the samples once received, sample sizing.	M. Grady
03:25 PM	0:25	Reference landing sites on Mars and the potential implications	J. Grant
03:50 PM	0:30	On-Mars measurements, encapsulation, operations scenario, science risks, summary	S. McLennan
04:20 PM	0:15	Break	
04:35 PM	0:25	E2E Panel Discussion	E2E Team
05:00 PM	0:20	2018 objectives from interim Joint Science Working Group (JSWG)	M. Meyer, J. Vago
05:20 PM	0:45	Report from the Joint Engineering Working Group (JEWG)	P. Baglioni/C. Whetsel
06:05 PM	0:25	Day 1 discussion and wrap-up	D. Des Marais
06:30 PM		Adjourn	



# MEPAG Agenda, Day 2



Day 2 – Friday June 17, 2011			
09:00 AM	0:15	Recap of yesterday and goals for today	D. Des Marais
09:15 AM	0:30	Planetary Protection related to MSR	C. Conley/G. Kminek
09:45 AM		<b>Landing sites</b>	
09:45 AM	0:25	MSL Landing site report/discussion	M. Golombek/J. Grant
10:10 AM	0:15	Report on ESA Landing Site meeting	N. Mangold
10:25 AM	0:15	Proposed NASA/ESA landing site selection process for 2018/MSR	C. Budney/R. Zurek/ J. Vago
10:40 AM	0:20	Discussion	
11:00 AM	0:15	Break	
11:15 AM		<b>Other Planning Activity</b>	
11:15 AM	0:20	GEMS - Geophysical Monitoring Station	B. Banerdt
11:35 AM	0:20	Mars Network Study Overview	A. Chicarro
11:55 AM	0:20	Martian Moon Sample Return study overview	D. Koschny
12:15 PM		<b>Meeting Reports</b>	
12:15 PM	0:20	Report from Mars Atmosphere Conference (Paris, February)	F. Forget
12:35 PM	0:25	<b>Discussion/Future Planning for MEPAG Activities</b>	D. Des Marais
01:00 PM		Adjourn	