



3rd LSS Workshop – AGENDA:

Who: Mars Science Community, Project, Industry

20–21 October 2015

Erasmus Auditorium, ESTEC

Tue 20 Oct 2015 Sol 1:

09:00 Welcome and brief intro (15 min) J. Vago/D. Rodionov

09:15 **Landing site science updates** (4 x 60 min) Proposing Teams
—Please plan 45 min for the presentation and roughly 15 min for questions—

- 09:15 Mawrth Vallis
- 10:15 Oxia Planum
- 11:15 Hypanis vallis
- 12:15 Aram Dorsum

Please organise your presentation as follows:

- Site refresher: Where is the site (Context, HRSC/MOLA, CTX scale images);
- Science diversity: Identify specific high-priority scientific targets: geological context, age, mineralogy, water activity, and biosignature preservation potential;
- Accessibility: show your preferred touchdown point. 1) Colour in your landing ellipse the parts for which you are never more than 1 km away from a prime target. 2) Do the same for those parts never more than 2 km away. 3) Same for 4 km away. Please see Aram Dorsum's presentation of 2nd LSSW (slides 61 & 62).
- Locomotion: Analyse the presence of soft soils and dunes that may be problematic.
- Mission example: Present one or two instances of 3-km traverse missions that you could conduct in the ellipse to showcase its science variety and interest.

13:15 Lunch @Cantine (90 min)

14:45 **Landing site engineering analysis** (90 min)

- 14:45 Entry corridor analysis (45 min) F. Calantropio (TAS-I) / A. Zashchirinskiy (LAV)
 - Oxia Planum
 - Hypanis Vallis
 - Aram Dorsum
 - Mawrth Vallis

Explain technical details of how the analysis was done;
Discuss constraints and any possible flexibility used in the analysis;
Which sites are doable, which need more work, which are too dangerous.

- 15:30 Update of Landing Site Engineering Constraints (15 min) L. Lorenzoni
Summary and next steps
- 15:45 Break (20 min)
- 16:05 Slopes & rock distribution (4 x 15 min)
F. Calantropio, A. Merlo (TAS-I)/A. Aboudan, A. Pacifici (IRSPS)
- 17:05 Results of manual rock counting (30 min) J. Bridges
- 17:35 Super resolution image analysis (10 min) J.-P. Muller

17:45 **Planetary Protection update** (15 min) G. Kminek

18:00 End of Sol 1

Workshop dinner in Noordwijk (may not work if we are too many, but let us give it a try).

Wed 21 Oct 2015 Sol 2:

09:00	Introduction Presentation of voting scheme and tools.	J. Vago/D. Rodionov
09:30	Summary of each site's findings from the day before (60 min)	
	▪ Aram Dorsum (15 min)	<u>Science:</u> Proposing Team <u>Engineering:</u> TAS-I/LAV/ESA
	▪ Hypanis Vallis (15 min)	<u>Science:</u> Proposing Team <u>Engineering:</u> TAS-I/LAV/ESA
	▪ Oxia Planum (15 min)	<u>Science:</u> Proposing Team <u>Engineering:</u> TAS-I/LAV/ESA
	▪ Mawrth Vallis (15 min)	<u>Science:</u> Proposing Team <u>Engineering:</u> TAS-I/LAV/ESA
10:30	Discussion (30 min)	
11:00	Coffee Break (20 min)	
11:20	Voting (70 min) Participants will be asked to rank the four sites in order of preference, from first to last, taking into account the scientific and engineering information. The voting analysis will follow a format similar to that used in LSSW1.	
12:30	Lunch @Cantine (90 min)	
14:00	Landing Site Selection Working Group Meeting (3 hrs) LSSWG counts votes, analyses outcome, discusses results, formulates recommendation and prepares to inform participants.	
17:00	LSSWG Recommendation: LSSWG announces voting results and explains the reasons for their recommendation —which may or may not be in agreement with the voting	
17:30	Discussion (30 min)	
18:00	End of Sol 2	



ESWT#8 – AGENDA:

Who: ESWT, LSSWG, Project, Industry

22 October 2015

Erasmus Auditorium, ESTEC

Thu 22 Oct 2015 Sol 1:

09:00	Welcome and brief intro (15 min) Meeting organisation, agenda, etc.	J. Vago/D. Rodionov/TAS-I/LAV
09:15	Programmatic status (15 min)	J. Vago/R. de Groot
09:30	<u>Project status (first part)</u>	
09:30	2018 Mission Intro (15 min)	D. McCoy/
09:45	2018 Systems Design (15 min)	G. Gianfiglio
10:00	2018 Descent Module/Surface Platform (15 min)	ROS/IKI
10:15	2018 Rover and Pasteur accommodation (15 min)	P. Baglioni
10:30	2018 Rover Pasteur (15 min)	A. Haldemann
10:45	2018 Rover and SP Science (15 min)	J. Vago
11:00	2018 ROCC status (15 min)	L. Joudrier
11:15	Break (15 min)	
11:30	<u>Rover instrument presentations</u> (9 x 10 min)	Pasteur PIs
	• 11:30 PanCam	
	• 11:40 ISEM	
	• 11:50 WISDOM	
	• 12:00 ADRON	
	• 12:10 CLUPI	
	• 12:20 Ma_MISS	
	• 12:30 MicrOmega	
	• 12:40 RLS	
	• 12:50 MOMA	
13:00	Lunch @Cantine (90 min)	
14:30	ROSEX simulation regarding Reference Surface Mission (RSM) (60 min) All WISDOM pattern, Ma_MISS and drilling, MicrOmega + RLS + MOMA	
15:30	Data Archive Working Group session (2 hrs) D. Heather/L. Joudrier/J.Vago A walk through the draft Archive Plan, etc.	
17:30	Demonstration of CNES remote rover operation from ESTEC	All
18:00	End of Sol	