



COSPAR Update

Dr. Gerhard Kminek
Chair, COSPAR Panel on Planetary Protection

NASA Planetary Protection Subcommittee Meeting
9-10 June 2015, NASA-HQ

COSPAR Paris Meeting



Planetary Protection



Panel on Planetary Protection:

- Three half-day planetary protection sessions
 - PPP.1 Planetary Protection Policy and Implementation Guidelines
 - PPP.2 Planetary Protection Mission Implementation Status
 - PPP.3 Planetary Protection Research and Development Activities
- Joint session with Scientific Commission B and F
 - B0.6 Life Signature Detection for Astrobiological Targets and Planetary Protection for Icy Body Sample Returns
- MSO and DO confirmed their participation

2nd COSPAR Symposium:

- Panel on Planetary Protection represented in the Scientific Organising Committee
- Interdisciplinary Scientific Lecture "Planetary Protection for Water Worlds" by Prof. J. D. Rummel, confirmed by the Program Committee

COSPAR Panel on Planetary Protection Colloquium:

- Prepare an update to the COSPAR Bureau and Council of the COSPAR Planetary Protection Policy for Mars Special Regions
- Provide the input for a position paper on planetary protection requirements for sample return from icy bodies
- Endorsed by the COSPAR Bureau and supported by International Space Science Institute (ISSI)
- Date and location: **22-24 September 2015**, ISSI, Bern, Switzerland
- MSO and DO: Dr. G. Kminek, Dr. V. Hipkin

COSPAR Workshop on Refining Planetary Protection Requirements for Human Missions:

- Date and location: Early 2016, NASA-KSC, USA
- MSO and DO: Dr. A. Gerst, Dr. B. Siegel (TBC)

Special Issue of ASR



Planetary Protection

Special Issue of Advances in Space Research on “**New Challenges for Planetary Protection**”



This special issue is supposed to provide a forum to document how missions are implementing planetary protection constraints today, for proposing approaches how to meet planetary protection objectives in future sample return missions from moons in the outer solar system and human missions, and for describing results of research and development activities in support of future missions

Deadline for submissions extended: 31 August 2015

Questions can be directed to Dr. Gerhard Kminek (Gerhard.kminek@esa.int), Guest Editor for this special issue, or to the ASR Co-Editor for Special Issues, Dr. Peggy Ann Shea (sssrc@msn.com)

So far 9 manuscripts have been submitted for review

Pertinent Panel Issues



Update of planetary protection requirements

- Review of requirements for Mars Special Regions (→ ESF/NRC review, **COSPAR colloquium**)
- Refinement of requirements for human missions (→ NASA workshop, COSPAR workshop)
- Requirements for sample return from outer planet satellites (→ COSPAR symposium)

Involvement in Panel activities

- ✓ Included Japan in the panel leadership (confirmed)
- ✓ Invited Russia to join the Scientific Organising Committee for the 2016 Panel sessions - confirmed
- Continued effort to get participation and representation from China and India

Reaching out

- Communicating the message – i.e., planetary protection, an enabling capability for the benefit of science
- Publish COSPAR Planetary Protection Policy, COSPAR Information Bulletin, Space Research Today, August 2015
- Simplify process to submit relevant planetary protection documentation to COSPAR
- Discussions about holding planetary protection courses in China and India
- On-going communications with Mars-1
- Started communications with the United Arab Emirates (UAE)