

IAA Commission 1 ‘Space Physical Sciences’ Meeting
18 March 2013, (Monday) 14h30-17h00, 6 rue Galilee (Metro Boissière)
IAA Headquarters
Paris, France

Minutes of the meeting

Meeting Attendance:

Nickolay Smirnov (secretary), Stephan Ulamec, Susan McKenna-Lawlor, Gerhard Schwehm, Claudio Maccone, Bernard Foing, Antonio Viviani, Bernard Zappoli, Robert Farquhar, Valery Korepanov, Victoria Hipkin, David Dunham, Mike Gruntman.

Agenda

1. Welcome – Gregg Vane
2. Self-introduction of Commission 1 members and all attendees – All
3. Minutes from Naples meeting – Nickolay Smirnov
4. 10-th IAA Low cost Planetary Missions Conference (LCPM-10) – Gregg Vane
5. IAA Space Summit Two: connections between robotic and human exploration – Catherine Conley, Summit Study Co-Chair
6. Fifth IAA Symposium on “Search for Life Signatures” – Claudio Maccone
7. Study Group activities: status, progress reports, finalized studies. – Study groups Chairs.
8. Proposals for new Study Groups
9. COSPAR Academy Day Technical Program – Gregg Vane and Lev Zelenyi
10. New business

The following topics were discussed at the Commission 1 meeting.

1. Welcome and adoption of agenda

Nickolay Smirnov, Commission 1 Secretary-Academician, welcomed the attendees. He conveyed apologies by Greg Vane having been obliged to make last minute cancellation of his trip due to US Administration decision. The agenda was adopted with small modifications accounting for US participants being unable to attend.

2. Self-introduction of Commission 1 members.

All Commission members and attendees introduced themselves.

3. Minutes from Naples Meeting on September 30, 2012, (see homepage)

Nickolay Smirnov presented the minutes. Minutes were approved.

4. 10th IAA Low cost Planetary Missions Conference (LCPM-10)

Nickolay Smirnov informed attendees of the Conference and addressed to the website for detailed information. He also added that usually a special issue of Acta Astronautica is assembled based on Conference papers.

5. IAA Space Summit Two: connections between robotic and human exploration

The attendees were informed that Catherine Conley, Summit Study Co-Chair, could not arrive at the meeting due to similar problems encountered all US delegation.

Antonio Viviani and Nikolay Smirnov provided the attendees with the information on the second summit to be held in Washington DC and its preliminary agenda as they had been informed at a closed Commissions meeting. (E-mail: summit@iaaemail.org)

6. 5th IAA Symposium on “Search for Life Signatures”

Claudio Maccone informed the attendees that 5th Symposium, which had been planned to take place in Beijing a week prior to IAC was postponed in 2014.

7. Study Group activities: status, progress reports, finalized studies

7.1. Claudio Maccone reported on the status of the current study on Protecting the antipode circle of the Moon, and on new SETI Declaration, having emphasized some problems and delay arising in interaction with UN bodies.

Study 1.7 SETI Declaration. Claudio Maccone reported that the study had been accepted by the Board of Trustees in February 2012, then it was accepted by the International Academy of Astronautics, but the SETI Committee needs to coordinate it with UN because this international body is mentioned in the declaration, while the use of SETI term is questionable with UN.

7.2. The status of current study Groups, and 4 proposals for new study groups were discussed.

8. Proposals for new Study Groups.

New proposals:

SG 1.8 Global Satellite System for monitoring and forecasting of the Earth seismic activity and

SG 1.9 Satellite remote sensing of aerosols in the Earth atmosphere.

Valery Korepanov reported on both Study Group proposals. The proposals were approved in principle, but the Commission 1 members asked the proposers to provide a more international character to the teams.

The new study group "Feasibility Study of Standardized Career Dose Limits in LEO and Outlook for BLEO" headed by Susan McKenna-Lawlor, was reported to be that of Commission 3 and approved by SAC on March 4, 2013. However, Commission 1 members discussed this study, listened to Susan's presentation and recommended to involve people from life and biological sciences into the study. (this idea got an independent support from Commission 2). It

was suggested this study group to have number 3.19/1.10.

Commission 1 approved a new study group "40 years of research in microgravity: from MIR to ISS and beyond" The title and description will be finalized by Bernard Zappoli (CNES), who was appointed the head of the SG. Next day during the meeting of Microgravity Science and processes Committee of the IAF this idea received a strong support and IAF Microgravity Committee members agreed to serve as SG members.

9. COSPAR Academy Day Technical Program.

The key COSPAR Academy Day organizers Gregg Vane and Lev Zelenyi were unable attending the meeting. Nickolay Smirnov reported, that himself and Lev Zelenyi had contacted Mikhail Panasyk – the local organizer of COSPAR 2014 in Moscow. The organizer promised to reserve a big auditorium on the day prior to COSPAR to have Academy meeting.

10. New business.

Scientific Activities Committee of the IAA also needed a person from Commission 1 representatives for establishing more close interaction with the IAF and IISL. The Commission asked Susan Mckenna-Lawlor to serve the representative for contacting IAF and IISL.