

IAA Commission 1 Online Meeting

5 September 2022 , 17-18:15 CEST

Summary Report by G.Schwehm

The IAA Commission 1 Meeting was chaired by the Vice-Chair, G. Schwehm, as R.Lopez couldn't attend the meeting. The meeting was attended by 14 members, who joined online, J.-M Contant and F. Dennemont from the IAA office.

Main topic discussed at the meeting was the status of the ongoing studies:

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

Chair: Yatskiv Yaroslav

Considering the current crisis in the Ukraine and the social impact that the continuation of the support this study has, it was decided to put it on hold and encourage to keep the work going until satellite data will become available. The IAA office will try to get additional institutes interested in this study activity.

A status report was provided

- SG 1.13 Small Satellites for Extremely Low Cost Planetary Mission

Chairs: Baker John, Vane Gregg

This study is completed, passed peer review and is in the printing process

- SG 1.14 Integrated Precursor Distinguish in Multi-Geophysical Fields around Global

Earthquake Events with Magnitude larger than 7 in Recent 10 Years

Chairs: Bao Weimin, Contant Jean-Michel, Kuznetsov Vladimir

At Commission 1 Meetings in the past, this study was viewed very critically by Committee Members.

It had been agreed that the English draft will be provided to the committee for review (Action pending)

- **SG 1.15 International Cooperation on Space Weather == (Terminated) ==**

Chair: McKenna-Lawlor Susan

This study was terminated due to the illness of Prof. McKenna-Lawlor

- **SG 1.16 Nowcasting Extreme Cosmic Ray Events (New Proposal)**

Chairs: Varotsos Costas, Xue Yong

Prof. Varotos presented a detailed overview of the study. An intermediate report will be provided in about a year from now. The completion of the study is expected for 2025. J-M. Contant proposed that one should offer to groups from all over the world to join in the study, IAA offers support to make contacts within its membership.

New Study Proposals

Currently no new study proposals have been submitted. The situation of the lack of new potential proposal was discussed. The committee members agreed that one should wait until early next year to find out what new studies might be needed: In the US the 'Origins, Worlds, and Life: A **Decadal** Strategy for Planetary Science and Astrobiology 2023-2032 has been released in April 2022 and NASA's response is expected in spring 2023.

ESA will hold its Ministerial Conference in November 2022, which will provide more insight in the strategy in science and exploration of the Agency for the coming years.

IAA Conferences

IAA Search for Life Signatures

Location, Date TBD; **On Hold due to an accident suffered by Claudio Maccone**

Program Committee Chair or representative: Claudio Maccone / Michael Garrett

IAA Symposium on the Future of Space Exploration

Program Committee Chair or representative: Giancarlo Genta

Spring 2024 TBC (to be discussed at IAC)

IAA Space Flight Safety Symposium (SFS)

Program Committee Chair or representative: Nickolay Smirnov ; **On Hold**

IAA Symposia at IAC

IAA Symposium on the Search for extraterrestrial intelligence (SETI)

Program Committee Chair or representative: Claudio Maccone, backup for C. Maccone hasn't been announced

Report from the IAA Permanent Committees

IAA Permanent Committee on the Search for Extraterrestrial Intelligence (SETI)

Chair: Michael Garrett, Co-Chairs: Andrew Siemion and Carol Oliver, Secretary: Lori Walton. **A brief report was provided for the meeting**

IAA Permanent Committee on Moon Farside Protection

Chair: Claudio Maccone. **C. Maccones couldn't provide a report due to the above mentioned circumstances.**