

# COSPAR PSW Panel Business Meeting Report

*Place: Palais des Congrès, Montreal, Canada, Room 524B*

*Date: Wednesday 16<sup>th</sup> July, 2008, 18:30*

## AGENDA

- *Panel Activity at the 37th general assembly*
- *Items for inclusion in Report to UN*
- *Panel Officers Status*
- *Future events*
  - *COSPAR 38th Assembly*
  - *Other?*
- *Publications (ASR)*
- *Nominations for IAA*
- *Lessons Learned and Recommendations*
- *Website*
- *A.O.B.*

## 1. Introduction

A. Glover welcomed the participants and introduced the panel and its terms of reference.

It was noted that the meeting started 20minutes late on account of the afternoon session in the same room being scheduled to conclude at 18:45.

## 2. Panel Activity

The panel and related events of the 37<sup>th</sup> general assembly were briefly reviewed.

The main panel event scheduled for the 37<sup>th</sup> assembly was PSW1: Preparing for the Next Solar Maximum (MSO: D. Boteler (Canada), DSO: J. Kunches (USA)). The session is scheduled for 17-18<sup>th</sup> July so has not yet taken place. D. Boteler commented that no problems had been encountered during the session preparation, and that the organisers were happy with the number and quality of the abstracts submitted. The session received 78 abstracts, 75 of which were accepted with 43 poster presentations.

It was noted that a number of Zeldovich awards had been made in areas of interest to the panel. The following were identified as of particular interest. Panel members were encouraged to propose candidates for future awards in advance of the next Assembly.

- **Olena Podladchikova (Belgium/Ukraine)**, Royal Observatory of Belgium, Brussels, for invention and implementation of the method to analyze statistically solar eruption ensembles

- **Thomas Berger (Germany/Austria)** specification of radiation detectors and their use for measurements in the space radiation field especially during the MATROSHKA study essential for estimating astronaut radiation risk.

In addition, the annual meeting of the ISES (International Space Environment Service) took place in Ottawa on 10-11th July in advance of the Assembly.

### **3. Items for Inclusion in Report to UN**

A. Glover briefly summarised the instructions for preparation of inputs to the UN report. PSW input will be coordinated by T. Obara for 2008. A deadline for inputs to be sent to T. Obara was set at 1<sup>st</sup> September.

The Following items were discussed for inclusion.

- Ongoing action initiated by UN COPUOS to draft a resolution on space weather issues in the context of space weather effects on space assets
- Recent approval of a resolution on space weather by WMO Executive Council
- Cross-disciplinary scientific issues of interest
- Data/resource availability including new sources and any key concerns
- Emerging SSA frameworks for space weather
- New ISES Regional Warning Centre in South Africa covering the African zone
- Conclusion of COST 724 on Space Weather: Developing the Scientific Basis for Monitoring, Modelling and Predicting Space Weather.
- New European COST Action on Space Weather: Development of Space Weather Products and Services in Europe will start in Nov '08
- New EC Fp7 projects:
  - SOTERIA: (Solar Terrestrial Investigations and Archives)
  - ULESSA (information to be provided by email by H. Rothkaehl)
- ILWS – Coordination of scientific programmes & End Users Task Group
- CAWSES conclusion in 2008 and items of interest to panel
- Panel perspective on IHY/IPY

### **4. Panel Officers Status**

The existing officers were presented as follows:

Chair:

- T. Obara (Japan), 2006 - 2010

Vice-Chairs:

- Glover (ESA/ESTEC), 2006 - 2010
- T. Onsager (USA), 2003 – 2007

The following proposals were agreed:

- T. Obara & A. Glover propose to exchange roles
- T. Onsager proposed to continue as vice-chair

## 5. Future Events

### 5.1 Events at the 38<sup>th</sup> general assembly

Two proposals were submitted and approved by the attendants.

#### **PSW1: Space Weather Modelling & Observations: from Research to Verified Operational Products**

- **Proposed length: 4 x ½ days**
- **Expected participation: ~80 pax**
- The primary focus of this session will be on new cross-disciplinary scientific results together with issues of importance in transitioning research results into operational services including mechanisms for quality control. Papers representing case studies are encouraged. Data and modelling standards will also be discussed in this context. Existing space assets will be reviewed, together with identification of current and expected gaps in data coverage. Solar cycle 24 progress and prospects will be discussed as will the role of new frameworks for space weather research and development.
- Communities Addressed: scientific and engineering communities, forecast centres including ISES-RWCs
- Type of Publication: solicited and contributed presentations including posters.
- MSO: A. Glover
- DSO: R. van der Linden
- OC: L. Trichtchenko, J. Kunches, N. Jakowski, A. Hilgers, T. Obara, T. Onsager

#### **PSW2: Space Situational Awareness and its Relationship with Science**

- Proposed jointly with PEDAS and PSD
- Abstract: Space Situational Awareness has been defined as a comprehensive knowledge, understanding and maintained awareness of the (i) population of space objects, of the (ii) space environment, and of the (iii) existing threats/risks. Three main areas of interest have been identified:
  - Characterization of Earth orbital population;
  - Space weather;
  - Near-Earth Objects.
- **Main Topics:** This session will provide the opportunity for discussion of existing and emerging SSA programmes around the world, user requirements, system requirements, underpinning science and knowledge gaps, and opportunities for global collaboration.
- Number of participants: 80
- Proposed Duration: 1 x ½ day

- Communities addressed: Scientific and applications communities
- Type of publications: Overview / invited / contributed papers; posters
- MSO: Dr. A. Hilgers, ESA
- DSO: Dr. N.L. Johnson, NASA
- This event is proposed by: Dr. Frank Jansen / DLR
- Address: Institute of Space Systems, Am Fallturm 1, D-28359 Bremen, Germany, E-mail: [frank.jansen@dlr.de](mailto:frank.jansen@dlr.de)
- **Proposed SOC members:** Dr. Frank Jansen DLR Bremen, Germany, Dr. Joseph Kunches (NOAA/SWPC), U.S.A., Dr. Detlef Koschny (ESA), Pieter Visser (Delft University), Richard Crowther (BNSC), China, Japan, Russia TBD

## 5.2 Other events

It was noted that that this year COSPAR is a co-sponsor of the European Space Weather Week 17-21<sup>st</sup> November, 2008 Brussels, Belgium (<http://sidc.oma.be/esww5>).

Panel members were encouraged to consider COSPAR sponsorship in the framework of COSPAR Colloquia and Capacity Building Workshops when organising a related international meeting.

## 6. Publications

Panel members were encouraged to submit their work presented during the 37<sup>th</sup> Assembly to ASR following the meeting. It was also pointed out that papers can be submitted at any time during the year.

## 7. IAA Nominations

It was felt that insufficient information was available to nominate IAA members during the meeting. Clarification was requested as to the nomination procedure.

## 8. Lessons Learned

Overall, the panel members felt that the meeting was well organised and facilities provided easily met requirements.

The following additional suggestions were made:

Some subject clashes occurred this year that should be avoided next year e.g. C01 & PRBEM that were scheduled in parallel.

Abstract submission should allow for the presenting author to be other than the first author.

An online facility to allow participants to generate their own tailor-made agenda from the programme was missing from the new conference agenda pages. It was recommended to include this next year.

Some of the meeting participants commented that they would have liked to attend other panel business meetings. This wasn't possible this year on account of their being scheduled in parallel.

## **9. Website**

A website has been set up to provide links to panel reports and information on past events. The URL is:

[http://esa-spaceweather.net/spweather/international/cospar/index\\_cospar.htm](http://esa-spaceweather.net/spweather/international/cospar/index_cospar.htm)

## **10. AOB**

The subject of Liaison Officers was discussed. Two potential liaisons were identified. These are as follows:

International Space Environment Service (ISES)

International Living with a Star Programme (ILWS), End Users Task Group

D. Boteler and A. Glover respectively agreed to take the initial steps externally to set up these liaisons.

The meeting concluded at 19:45.