

SWWT Plenary meeting 33 report

Tuesday, 18 June 2013, 9:30 to 15:35

Belgian Royal Academy, Brussels, Belgium

Prepared by Stefaan Poedts

Meridian Room

This SWWT Plenary Meeting was attended by 18 people, viz. S. Poedts, L. Eliasson, S. Calders, D. Pitchford, R. Van der Linden, S. Stankov, P. Vanlommel, G. Lawrence, L. Trichtchenko, M. Dierckxsens, J. Jansens, G. Reitz, M. Meier, N. Crosby, S. McKenna-Lawlor, S. Vennerstrom, S. Chabanski, A. Glover.

Agenda

1. *Welcome and Introduction (S. Poedts)*
2. *SSA Period 2 Status and Space Weather Priorities (A. Glover)*
3. *Short SWWT Topical Working Groups reports (TWP leaders):*
 - *Drivers of Space Weather - Solar Magnetic Topology (S. Poedts)*
 - *Drivers of Space Weather - Solar Storms (N. Vilmer)*
 - *Ground Effects (M. Wik)*
 - *Atmospheric Effects (S. Bruinsma)*
 - *Ionospheric Effects (M. Angling)*
 - *Spacecraft, Launcher and Aircraft Environments (S. McKenna-Lawlor)*
 - *Education, Outreach and Emerging Markets (N. Crosby)*
 - *Space Weather Forecast (L. Trichtchenko)*
4. *Roadmap Consultation Feedback (A. Glover)*
5. *Action Item Review (S. Poedts)*
6. *Events of interest since last meeting (S. Poedts & A. Glover)*
7. *Any other business*

Minutes

Welcome and Introduction (S. Poedts)

Stefaan Poedts (SP) welcomed everybody to the SWWT Plenary meeting and presented the agenda. He acknowledged the Royal Observatory of Belgium for arranging the room and the lunch and coffee breaks for this meeting.

SSA Period 2 Status and Space Weather Priorities (A. Glover)

General overview of SSA Space Weather priorities of period 2 (2013-2016).

SSA Period 2 was approved during the ESA Ministerial Council meeting in November 2012. The new period of the Programme will build on results of SSA Period 1 (Preparatory Programme) and continue the networking of European assets.

There are 14 subscribing states, including some new like Denmark, Sweden, Romania, and all of them expressed interest in Space Weather. The SSA Space Weather Coordination Centre was established in 2013, located within ROB's premises and jointly operated by a consortium led by BIRA. and the SWE Data centre has been established at the ESA Redu site.

It was noted that one of the first of the Period 2 space weather activities will focus on the Expert Service Centre (ESC) Evolution. The ESC profile will be further elaborated during Period 2, while maintaining the concept of a distributed network with coordinating Expert Group. As part of the same activity, anew ESC will be established on Heliospheric Weather with focus on magnetospheric response to solar wind disturbances.

Short SWWT Topical Working Groups reports (TWP leaders):

Drivers of Space Weather - Solar Magnetic Topology (H. Lundstedt, presented by S. Poedts)

See Appendix A (slide Henrik Lundstedt).

Drivers of Space Weather - Solar Storms (N. Vilmer, presented by S. Poedts)

See Appendix B (slides Nicole Vilmer).

Ground Effects (M. Wik, presented by S. Poedts)

See Appendix C (slides Magnus Wik).

A white paper targeting civil contingency agencies was proposed by RvdL. The SWWT agreed that this could be a useful approach, noting the difficulty in identifying appropriate contact points within national agencies. It was agreed that SP would draft a white paper and send a request for national contacts (or SWWT members willing to act as national contact points) to the SWWT distribution list.

AI (SP) M33/1 Draw up a list of national contact points within civil contingency agencies.

AI (SP) M33/2 Draft white paper, describing the potential impact of Space Weather on civil infrastructure.

Atmospheric Effects (S. Bruinsma, presented by S. Poedts)

See Appendix D (slides Sean Bruinsma).

Ionospheric Effects (M. Angling)

See Appendix E (slides Matthew Angling).

Spacecraft, Launcher and Aircraft Environments (S. McKenna-Lawlor)

See Appendix F (slides Susan McKenna-Lawlor).

Education, Outreach and Emerging Markets (N. Crosby)

NC presented examples of education and outreach activities performed in Europe since the ESWW9 meeting. See Appendix G (slides Norma Crosby) for details. She noted that the EOEM TWG has grown during these last years and that there will be a lot of education and outreach activities at the upcoming ESWW10 meeting. To better present both sides of this TWG she suggested that it be restructured into two groups: 1.) Education and Public Outreach; 2.) Emerging Markets.

Space Weather Forecast (L. Trichtchenko)

See Appendix H (slides Larissa Trichtchenko).

Roadmap Consultation Feedback (A. Glover)

See also Appendix I (slides Alexi Glover).

AG noted that the roadmaps will form one of the primary inputs into defining space weather service development for Period 2 of SSA. Consequently, it is extremely important that the information is as accurate and complete as possible. AG thanked the SWWT members, in particular the TWG spokespersons, for their work to review the documents over the past months and stressed the importance of the inputs received.

The review period was only 2 months (Dec/Jan 2012/2013) and it was coordinated through the SWWT Chairman and TWG leaders.

More than 600 RIDs submitted, 28 major, 61 minor, 133 medium, remainder unmarked or editorial.

AG pointed out that unfortunately, there are currently not sufficient resources available to complete a full update of Roadmaps so an annex will be produced including the major comments on the roadmaps. This will form an applicable document until a future roadmap update.

Action Item Review (S. Poedts)

There were only three actions after the Previous Plenary meeting (PM32, November 2012):

AI M32/1	Daniël Heynderickx and Norma Crosby to compile and set up a survey to find out what media the new generations preferably use to find	ONGOING
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	information.	
AI M32/2	Daniël Heynderickx to provide the mailing list of the SSA SN-1 Asset database entry 'owners'.	ONGOING
AI M32/3	The ESA SSA-SWE team to compile an email to ask for the permission to put the SN-1 Asset technical information online and to send it to a mailing list of the entry 'owners' provided by Daniël Heynderickx.	ONGOING

AI M32/1: Norma reported on the first one with a one-slide presentation. Students and young researchers use mainly Facebook and twitter and also blogs for gathering and exchanging their information. Some discussion followed but no firm Action was defined. This action is closed.

AI M32/2: Nothing was known on the second Action item and Stefaan tried to find out from Daniel if it was carried out. Right after the meeting, Daniel replied by email that, as the COST action was closed in the meantime. The SN-1 database has been taken offline and the current version of the COST catalogue is available through ESWP. He also provided an excel with, per asset, the email address of the person that defined the asses in the data base. SP forwarded the file to ESA (AG). This action is thus closed.

Alexi first asked if the SWWT still wants ESA to make available to the community the SN-I list of assets document. This being the case she recommended to make a new Action item on it.

AI M33/3: AG – Investigate means to support SN-1 database hosting as a community service.

Events of interest since last meeting (S. Poedts & A. Glover)

Aleksei Parnowski reviewed Space Weather activities in Ukraine, see his slides (Appendix J).

AG mentioned that a roadmap team has been established jointly by COSPAR and the ILWS Programme, led by K. Schrijver. The team's homepage can be found here:

<http://www.lmsal.com/~schryver/COSPARrm/>

SP mentioned the two H2020 workshops (in Brussels and Madrid) he attended and the proposal he made, as panel member in the workshop in Madrid, for a Strategic Research Cluster (SRC) on Space Weather research. This proposal was very well received and supported by the large audience but it is unclear what the EU will do with it. In other words, we do not know who selects the SRCs and on which criteria.

Any other business

None

The meeting ended at 15:35.