

Space Weather Working Team Plenary 28

Wednesday 17 Nov. 2010, 14:30-16:30

SWWT Plenary Agenda

1. Welcome and Introduction

PART 1: REVIEW OF GENERAL ITEMS

2. Review Main Events in 2010

3. SWWT Topical Groups Updates

4. SWWT Roadmaps (including SWWT wiki and status of SWWT resolutions)

5. Updated SWWT Terms of Reference

6. Data Policy and Relation to other Ongoing Actions

7. Action Item Review

SWWT Plenary Agenda cont.

PART 2: PRESENTATIONS

8. BIRA-ROB White Paper on the SSA Programme for discussion (Noël Parmentier)
9. FP7 (current space Call) and FP8 (the future) (Mike Hapgood)
10. NATO SSA Activity (Mauro Messerotti)
11. ISWI Activities
12. USA/FEMA-EU/MSB (Lars Eliasson)
13. Space Weather Resilience in the U.K. (Mike Hapgood)

PART 3: MISCELLANEOUS

14. SWWT Wiki Logo Competition
15. Final Words

1. Welcome

ESA Space Weather Working Team [SWWT]

History: The Space Weather Working Team was set up to coincide with the start of ESA's two parallel space weather studies in 1999.

The SWWT is a forum open to European experts in a variety of both scientific and application oriented fields relating to space weather.

The SWWT advises ESA in space weather strategy and currently acts as a forum for discussion amongst the European space weather community.

Other, non-ESA funded opportunities for space weather are regularly discussed and projects initiated by members.

SWWT membership is open to representatives of any institute or private company currently undertaking space weather related activities.

Contact:

Mike Hapgood

[mike.hapgood AT stfc.ac.uk]

The SWWT meets at approximately 6 monthly intervals.

In addition, several "Topical Groups" maintain regular contact via email.

The screenshot shows the ESA Space Weather Web Server interface. The header includes the ESA logo and the text "Space Weather Web Server". A navigation menu on the left lists various sections such as "Welcome", "Introduction", "What is Space Weather", "Current Space Weather", "ESA Space Weather Studies", "International Activities", "Models and Data", "Resources", "Space Weather Working Team (SWWT)", "ESA Space Weather Workshops", "Miscellaneous", and "Sitemap". The main content area features the title "The ESA Space Weather Working Team (SWWT)" and a list of "Topical Groups | Documents | History | Contact List | Membership". A paragraph states: "The SWWT is a forum open to European experts in a variety of both scientific and application oriented fields relating to space weather. The current SWWT chairperson is [Norma Crosby](#) (BISA)."

The diagram illustrates the organizational structure of the SWWT. At the top is the "SWWT Steering Board". Below it is the "SWWT Forum + Topical Groups". The forum is divided into six topical groups: "Ground Effects", "Ionospheric Effects", "spacecraft, launcher and aircraft Environments", "Fundamental research", "Atmospheric Effects", and "Education, outreach and Emerging Markets". A second "SWWT Steering Board" is shown at the bottom right of the diagram.

http://www.esa-spaceweather.net/spweather/esa_initiatives/swwt/index.html

2. Main Events in 2010

Meetings:

“COST ES0803 User Workshop”, 22-24 March 2010, Scientific Center of the Polish Academy of Sciences in Paris, Paris, France

“SWWT/ESPD splinter meeting”, 5 May 2010, 13:30-15:00 [European Geosciences Union General Assembly 2010, 2-7 May 2010, Vienna, Austria]

“Space Weather Working Team Steering Board meeting”, 17 June 2010, 14:00-18:00, Belgian Institute for Space Aeronomy, Brussels, Belgium

“Space Weather Working Team Plenary”, 18 June 2010, 09:30-17:00, Royal Observatory of Belgium, Brussels, Belgium.

“Space Weather Working Team Steering Board meeting”, 15 Nov. 2010, 10:00-12:00, ESWW7, Brugge, Belgium

2. Main Events in 2010 cont.

Project Proposals - Invitations to Tender:

FP7 Space Call 3 project proposals [Deadline: Dec. 8, 2009]

- o SPA.2010.2.1-03 Exploitation of space science and exploration data
 - o SPA.2010.2.3-01 Security of space assets from space weather events
- [Selected Projects have been under Negotiation in 2010.]

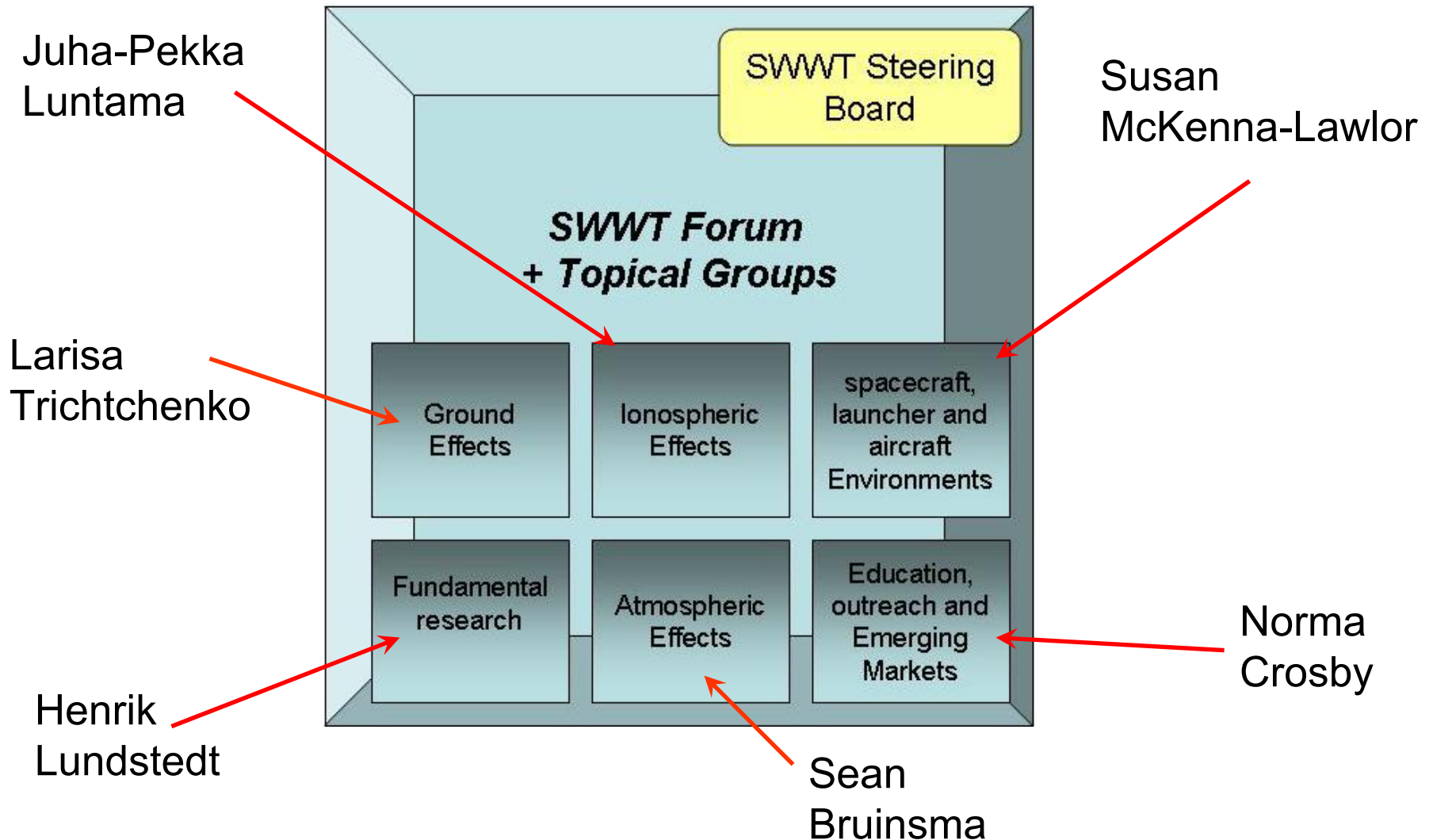
ESA Invitation To Tender (ITT) project proposals:

- o SN-I: Space Weather Services
- o SN-II: Weather Instruments
- o CO-I: Requirements and Evaluation

[Selected Projects have been under Negotiation in 2010.]

FP7 Space Call 4 project proposals [Publication Date: 20 July 2010,
Deadline: Nov. 25, 2010]

3. Topical Groups Updates



Topical Group Meetings at ESWW7

Ground Effects Topical Group, GETG

L. Trichtchenko

Room: Beethoven

Tuesday Nov. 16, 14:00-16:00

Spacecraft, Aircraft and Launcher Environments

S. McKenna Lawlor, G. Reitz, F. di Marco

Room: Beethoven

Tuesday Nov. 16, 16:30-18:00

Topical Group Meetings at ESWW7 cont.

Atmospheric Effects

S. Bruinsma

Room: Bach

Wednesday Nov. 17, 12:30-14:15

Education, Outreach and Emerging Markets

N. Crosby

Room: Bach

Thursday Nov. 18, 14:00-16:00

Ionospheric Effects

J.P. Luntama

Room: Bach

Thursday Nov. 18, 16:30-18:00

4. SWWT Roadmaps

(including SWWT wiki & status of SWWT resolutions)

This “SWWT Roadmaps” document will:

- represent community inputs
- be a live document
- be updated as a function of developments in the community.

“long-term European space weather roadmap activity
(>10, 20 years)”

[First release and set of recommendations is expected in conjunction with the SWWT meeting in mid 2011.]

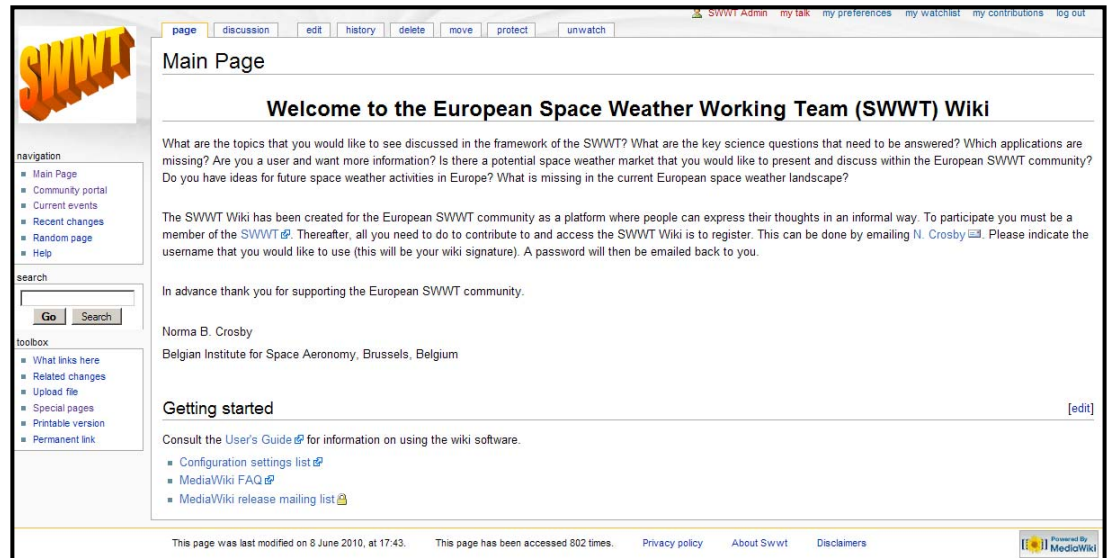
Overall Objective: Take into account all expected key players and addressing the current and future critical elements and user community (/communities).

Draft ToC: Main Elements

- Review of phenomena
- Rationale for embarking on long term activity
- Current landscape and ongoing studies
 - Existing assets
 - Current understanding of phenomena
 - Ongoing collaborations (e.g. COST)
- Potential development and deployment strategy alternatives
 - include major expected milestones external to SSA/FP7 with potential to significantly influence the field (e.g. Galileo service start)
- Organisational aspects
 - including contribution to global programme & coordination with e.g. ISES, UN, ILWS, COSPAR

SWWT Wiki

It has been created for the European SWWT community as a platform where people can express their thoughts in an informal way.



<http://swwt.aeronomie.be>

19 people have subscribed:

[3 x Belgium, 1 x Denmark, 5 x England, 1 x Italy, 3 x The Netherlands, 5 x Spain, 1 x Russia]

SWWT resolutions

This was briefly mentioned at the end of the previous SWWT Steering Board meeting [17 June 2010] and refers to the SWWT resolutions mentioned in the Annex of the minutes taken by Mike Hapgood at the SWWT Steering Board meeting held on 3 Sept. 2009.

It was noted in the minutes taken on 17 June 2010 that these resolutions will be built into the SWWT Roadmaps.

5. Updated SWWT Terms of Reference

Third Update:

1. Start of ESA Parallel Studies.
2. When the SWWT became open to the wider European space weather community, during the Space Weather Pilot Project.
3. *Start of the ESA SSA Preparatory Programme.*

Space Weather Working Team: Terms of Reference.

{26th January 2007}

The SWWT is a forum open to European experts in space weather applications and related science.

The SWWT investigates space weather applications' requirements, space weather services and the underpinning research and development. It also advises ESA on strategies and activities related to space weather.

The SWWT will promote activities aiming towards the development of European operational space weather capabilities. This will include coordination of developments at European, national and industry levels. Activities can include development of applications and/or research into the underpinning science.

6. Data Policy and Relation to other Ongoing Actions

The aims of the discussion are to formulate recommendations to the space weather community, emphasising the need for defining data standards for both national and international usage.

In summary, it is important that data policy is a topic discussed under the SWWT umbrella, as it is a general issue for the community.

7. Action Item review

AI M26/1:NC, AG, HL – Coordination of the Fundamental Research topical group with the ongoing Cost Action ES0803 in regard to science to applications.

[ONGOING]

AI M26/2:NC/AG to send out contact information for Steering Board to SWWT mailing list. Prior to this the individual Steering Board members will be asked if they agree to have their contact details listed on the SWWT web-page:

http://www.esa-spaceweather.net/spweather/esa_initiatives/swwt/index.html

[DONE]

AI M26/3:NC to add FP8 to the agenda of next SWWT plenary meeting. [DONE]

AI M26/4: AG and Ronald Van der Linden to find out what has happened to the UN activity: “Outline document on Long-Term Sustainability of Space Activities” and whether there could be a link between this and the SWWT initiative. [ONGOING]

AI M27/1: Ioanna Tsagouri, Anna Belehaki, Alexi Glover, Sean Bruinsma, Daniel Heynderickx, Jens Rodmann and Norma Crosby to write up a resumé concerning the COST Action ES0803 metric activity. [ONGOING]