

# Space Weather Working Team 26 Plenary

Norma B. Crosby and Mike Hapgood

Thursday 19 November 2009, 14:00-16:00

# SWWT Plenary Agenda

## 14:00-16:00, 19 November 2009

1. Welcome
2. Introduction to SWWT
3. SWWT Topical Groups Status
4. Main Events since Previous SWWT Meeting
5. Resumé of Steering Board Meeting 17 Nov. 2009

### PRESENTATIONS:

1. FP7 Space Call Review and Project Proposals [M. Hapgood]
2. NATO RTA SSA Activity [C. Cid]
3. ESPD [S. Poedts]
4. European Space Weather Journal [A. Belehaki]
5. WMO [World Meteorological Organization ] [A. Hilgers]
6. ILWS End User Task Group [A. Glover]
7. ISWI [International Space Weather Initiative] [A. Glover]
8. SEENoTC [N. Crosby]
9. European Sun Festival [N. Crosby]

# WELCOME

## ESA Space Weather Working Team [SWWT]

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.

# WELCOME

## ESA Space Weather Working Team

### [SWWT]

SWWT membership is open to representatives of any institute or private company currently undertaking space weather related activities. The SWWT meets at approximately 6 monthly intervals. In addition, several “Topical Groups” maintain regular contact via email.

Contact:

Mike Hapgood [ [mike.hapgood@stfc.ac.uk](mailto:mike.hapgood@stfc.ac.uk) ]



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- Introduction
- What is Space Weather ▾
- Current Space Weather
- ESA Space Weather Studies ▾
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- Space Weather Working Team (SWWT)
- ESA Space Weather Workshops
- Miscellaneous ▾
- Sitemap
- SWEN Newsletter
- Mail to Webmaster

**go to SWENET**

## The ESA Space Weather Working Team (SWWT)

[Topical Groups](#) | [Documents](#) | [History](#) | [Contact List](#) | [Membership](#)

To access the [SWWT document archive](#), click here.

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 SWWT plays an important role in advising ESA on space weather strategy. It also acts as a forum for discussion amongst the European space weather community.

The SWWT is responsible for promoting coordinated European space weather activities at both national and industry levels. The SWWT seeks to identify and discuss potential collaborations and/or synergies with other structures or organisations such as the EC FP6 & COST programmes, INTAS, SpaceGRID and others.

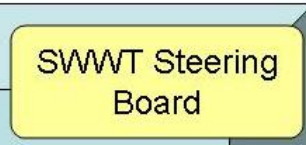
The SWWT will advise ESA about the response to the pilot project activities observed within the scientific and user communities. The SWWT will also assist ESA in evaluating the lessons learned from the operation of the pilot project and how these changes can be implemented within a strategy for any future space weather programme.

Download the [Terms of Reference](#)

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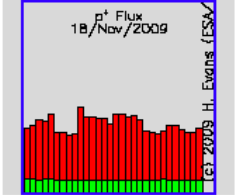
All members are invited to participate in topical working groups (TWG). TWG are responsible for initiating projects, discussing new advances and/or progress in development. TWG will also be responsible for ... within Europe and among the communities outside.

SWWT is as follows:



SWWT Forum

**Last 30 days**



**Latest EIT-195 Image**



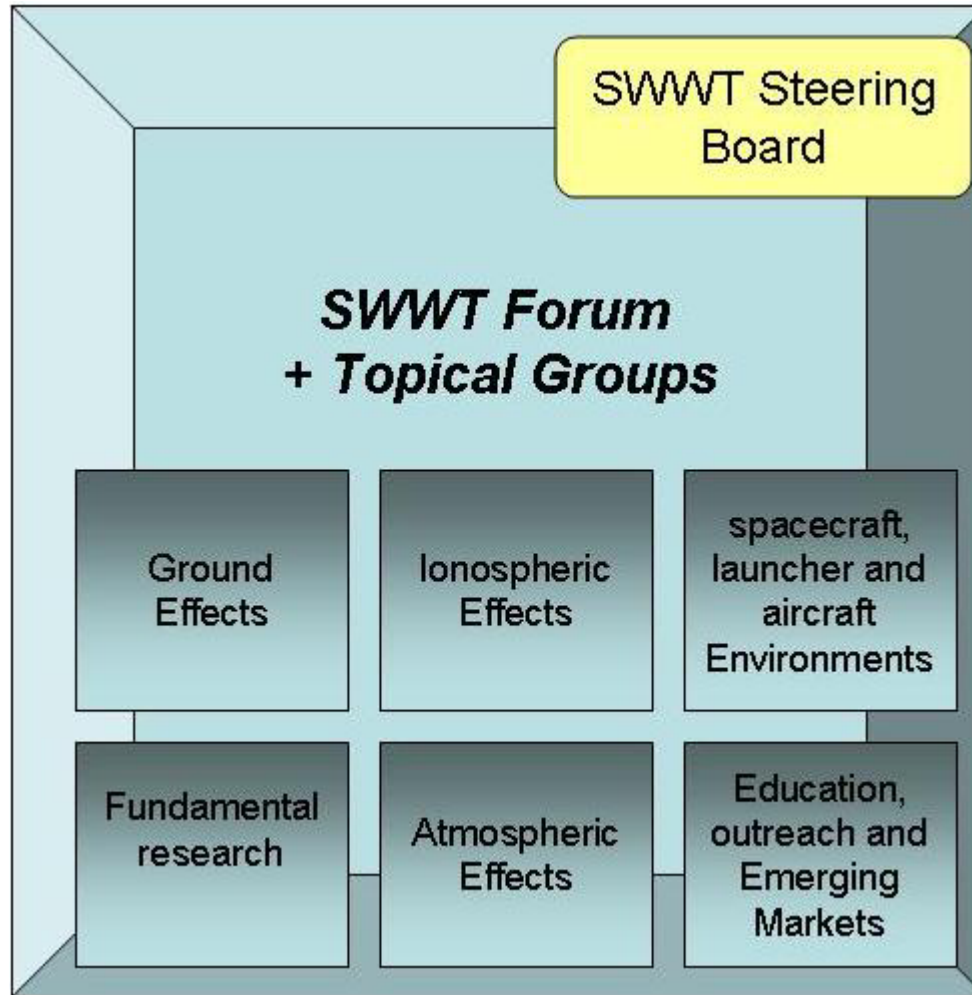
**Contact List**

Download: [Contact List](#) (12.03.2008, pdf-file)

If you want to send emails to the SWWT mailing list, please use the address: [swwt@jiscmail.ac.uk](mailto:swwt@jiscmail.ac.uk)

If you want to change your list subscription or visit the list archives, please visit the URL: [www.jiscmail.ac.uk/swwt](http://www.jiscmail.ac.uk/swwt)

# SWWT Structure



- ❑ Ground Effects: Larisa Trichtchenko
- ❑ Ionospheric Effects: Juha-Pekka Luntama
- ❑ Spacecraft Launcher and Aircraft Environments:  
T.B.D.
- ❑ Fundamental Research: Henrik Lundstedt  
[COST0803] – cost report
- ❑ Atmospheric Effects: Sean Bruinsma
- ❑ Education, Outreach and Emerging Markets:  
Norma Crosby

# SWWT Topical Groups Annual Report

1. It has been suggested that individual topical groups provide input each year in early autumn as input for an annual European space weather report regarding their activities during the last year.
2. Report to be published and given out at the annual “European Space Weather Week”.

# Main Events since Previous Meeting

[1. ] “Space Weather Working Team 25” meeting, 4 September 2009, Brussels, Belgium

[2. ] Infoday on the 3rd Space Call in FP7, Warsaw, Poland, September 15-16, 2009

“Space Weather Working Team and the 3rd FP7 Space Call” by Mike Hapgood, Norma B. Crosby, Iwona Stanislawska

[3.] Final Customer Requirements Review (CRR) meeting with national experts took place on 14 (afternoon) -15 (morning) Sept. 2009 and the “PB-SSA meeting #3 took place on 15 Sept. 2009 (afternoon)

[4.] “Space Weather Industry Day” in ESOC on 13 Nov. 2009

- SN-I: Space Weather Services (IITT ref. 09.118.08)
- SN-II: Weather Instruments (IITT ref. 09.118.09)

# Review Notes of Previous “SWWT Steering Board Meeting, 3 Sept. 2009”

1. Assets to Federate
2. ESA Advisory Structure
3. Global Visions for Tomorrow
4. FP7/ESA/International Collaboration
5. SWWT Updated Terms of Reference
6. SWWT Roadmap Activities
7. SWWT Global Action Items

# 1. Assets to Federate

The national delegations to the SSA Programme have supplied inputs on national space weather assets that are potentially available for the European SSA system.

*Action: SB members to contact national delegations to ask if they can check the list in respect of space weather assets.*

However, there is still a possibility to give last-minute input.

Deadline: SWWT community to send final input by Friday 27 November 2009 to:

- [1.] Your national delegate
- [2.] Alain Hilgers at ESA

## 2. ESA Advisory Structure

It was noted that the SSA programme was establishing a User Representative Group (URG) as its advisory body.....

*Action: SB members to contact national delegations to lobby for the SWWT Chair to be a member of URG. - DONE*

The final Customer Requirements Review (CRR) meeting with national experts took place on:

Monday 14 Sept. 2009, 14:00 - 18:00, "CRR meeting"

Tuesday 15 Sept., 09:00 - 12:00, "CRR meeting (cont.)"

Tuesday 15 Sept. 2009", 13:30 - 17:30, "PB-SSA meeting #3"

# 3. Global Visions for Tomorrow

- European space weather “user community” [continues to expand].
  - Still finding new users of space weather products
- International collaboration between all world-wide space weather efforts “complement each other ”.
  - Data policy [exchange of data], Modelling, ....

# 4. FP7/ESA/International Collaboration

[official statement from ESA]

“ESA is supporting EC in the evaluation, negotiation and monitoring of FP7 supported actions for the “Strengthening Space Foundations” part (e.g. Space Exploration, Space Technology, Vulnerability of Space Assets, ... Agreement on this role excludes the possibility for ESA to act as a coordinator or participate in a proposal in answer to FP7 Space calls, for the “Strengthening Space Foundations” part. Nevertheless, it has been agreed that “ESA will advise Industry, SME’s, Research Institutes and Academia on complementarities of the EC calls for proposals, with ESA roadmaps”, thus playing a key role in maximising complementarities of ESA and EC activities.”

## 5. SWWT Updated Terms of Reference

*Action: NC, MH and AG to propose updated terms of reference at next SWWT meeting.*

[pdf file]

[http://www.esa-spaceweather.net/spweather/esa\\_initiatives/swwt/index.html](http://www.esa-spaceweather.net/spweather/esa_initiatives/swwt/index.html)

## 6. SWWT Roadmap Activities

1. Roadmap activity within SWWT has been initiated.
2. SWWT Blog (or something similar) to be developed for the community [input needed].
3. NC to prepare first draft of roadmap by next SWWT meeting [date to be determined].

# 7. Global Action Items

- SWWT provides focus for space weather inputs into the SSA advisory structure.
- Space weather roadmap update [bring together inputs from different groups].
- ESA ministerial council meeting 2011 [how best to support ESA, lobbying, ...].
- FP7 Space Calls in general [how best to coordinate community inputs].