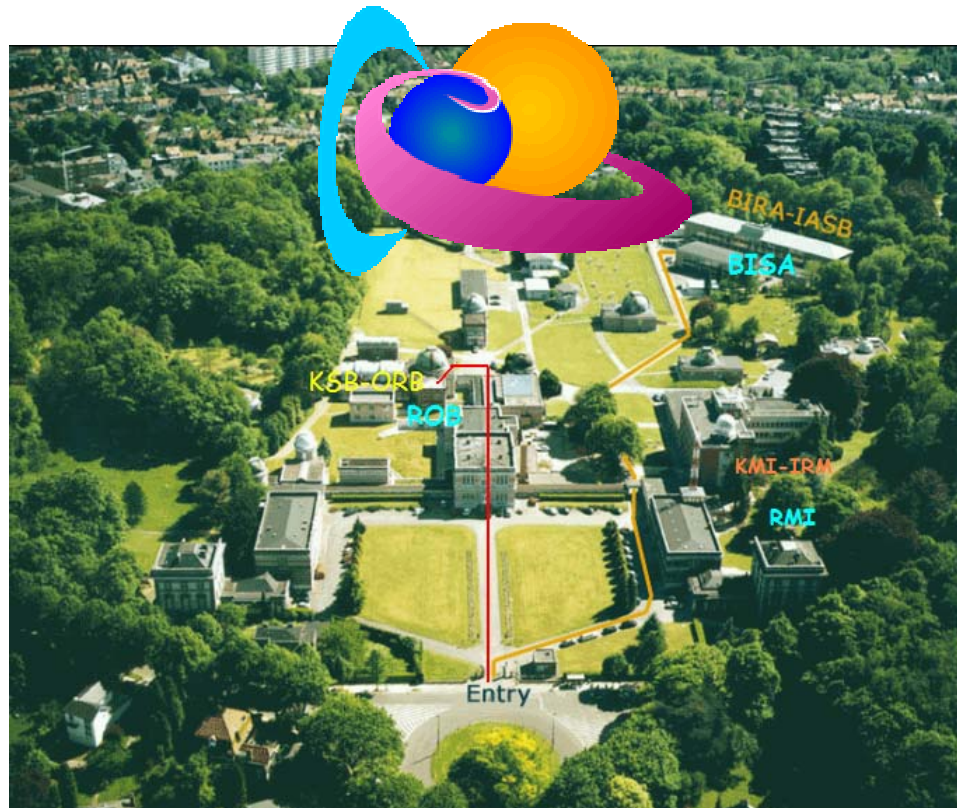


# Space Weather Working Team Plenary Meeting 27



June 18, 2009, 09:30-17:00

# SWWT Plenary Agenda

June 18, 2010, 09:30-17:00

1. Welcome

## PART 1 - SWWT UP-TO-DATE

2. Main Events since Previous SWWT Meeting.
3. Action Item Review
4. SWWT Topical Groups Update
5. Resumé of SWWT/ESPD Meeting (Norma Crosby)
6. SOTERIA (Giovanni Lapenta)
7. EPT Day (Mathias Cyamukungu)
8. SWWT Terms of Reference
9. SWWT Wiki
10. SWWT Roadmap

13:00-14:00 Lunch

# SWWT Plenary Agenda cont.

PART 2 - Technical Discussion: Space Weather Metrics Presentation + Discussion  
Presentation: Ioanna Tsagouri

## PART 3 - PRESENTATIONS

1. SSA (Alexi Glover)
2. ESA R&D (Jens Rodmann)
3. FP7 / FP8 - the Way Forward (Mike Hapgood sent slides)
4. COST ES0803 (Anna Belehaki)
5. HELIO + CASSIS (Bob Bentley sent slides)
6. NATO SSA (Frank Jansen sent slides)
7. US/FEMA-EU/MSB (Henrik Lundstedt sent slides)
8. WMO (Alain Hilgers sent slides)
9. Any Other Business

# 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". This 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](http://www.esa-spaceweather.net/spweather/esa_initiatives/swwt/index.html)

# 2. Main Events since Previous SWWT Plenary

## Meetings:

“Space Weather Working Team Steering Board meeting”, 17 November 2009, [European Space Weather Week 6, 16-20 November 2009, Brugge, Belgium]

“Space Weather Working Team 26” Plenary meeting, 19 Nov. 2009, 14:00-16:00 [European Space Weather Week 6, 16-20 November 2009, Brugge, Belgium]

“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.

# 2. Main Events since Previous SWWT Plenary

## Project Proposals - Invitations to Tender:

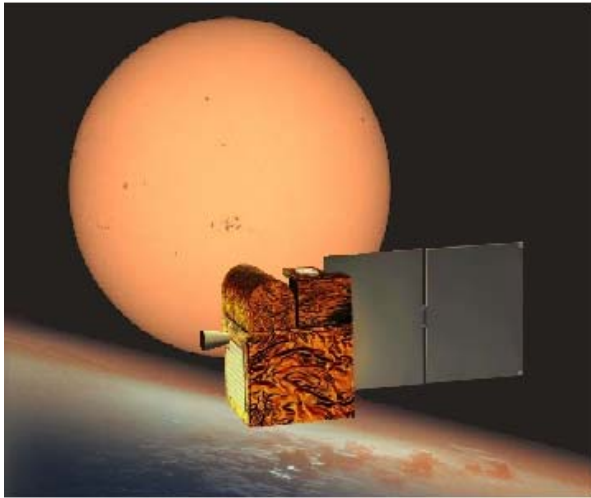
FP7 Space Call project proposals [Deadline: Dec. 8, 2009]

- 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

ESA Invitation To Tender (ITT) project proposals:

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

## Events:



Launch of PICARD  
15 June 2010  
New source of data !



**CESRA 2010**  
June 15-19, 2010  
La-Roche-en-Ardenne, Belgium  
<http://sidc.be/CESRA2010>

Program committee:  
H. Aurass (Potsdam)  
K.-L. Klein (Potsdam)  
A. MacGibbon (Glasgow)  
C. Marquet (Brussels, co-chair)  
Y. Nakaiwa (Hitachi Noyogorod)  
A. Nikkio (Osaka, co-chair)  
S. Poedts (Leuven, European Solar  
Phys. Div. of ESA)  
S. Pojokinen (Turku)

Local organization:  
A. Vanderhyde  
C. Marquet  
The SIDC team @ ROB  
(Royal Observatory of Belgium)

Logos: European Union, ESA, COSPAR, IAGLR, IAGG, IAGLR, IAGLR, IAGLR



Center for Space Radiations

**EPT** ENERGETIC  
PARTICLE  
TELESCOPE

EPT Day  
4 June 2010

Launch of SDO  
11 Feb. 2010





# 3. Action Item Review

SWWT Plenary Meeting 26 Action Items:

**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.

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

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

**AI M26/4:** AG to find out what has happened to the UN decision paper on SSA-Space Weather and whether there could be a link between this and the SWWT initiative.

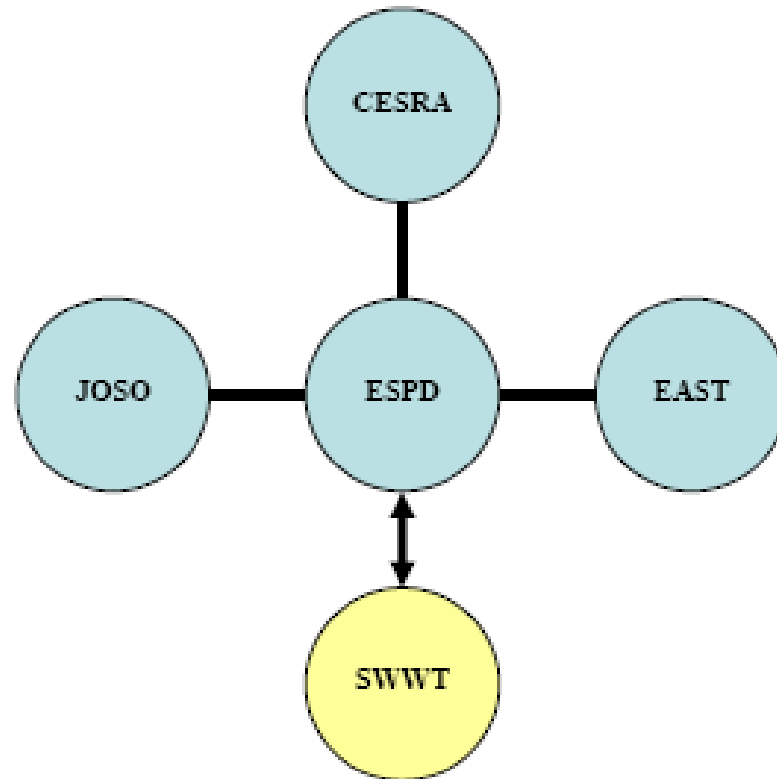
# 4. SWWT Topical Groups updates

- o Ground Effects: Larisa Trichtchenko
- o Ionospheric Effects: Juha-Pekka Luntama
- o Spacecraft Launcher and Aircraft Environments: Susan McKenna-Lawlor
- o Fundamental Research: Henrik Lundstedt
- o Atmospheric Effects: Sean Bruinsma
- o Education, Outreach and Emerging Markets: Norma Crosby

# 5. Resumé of SWWT/ESPD Meeting

Goals of the joint SWWT/ESPD meeting:

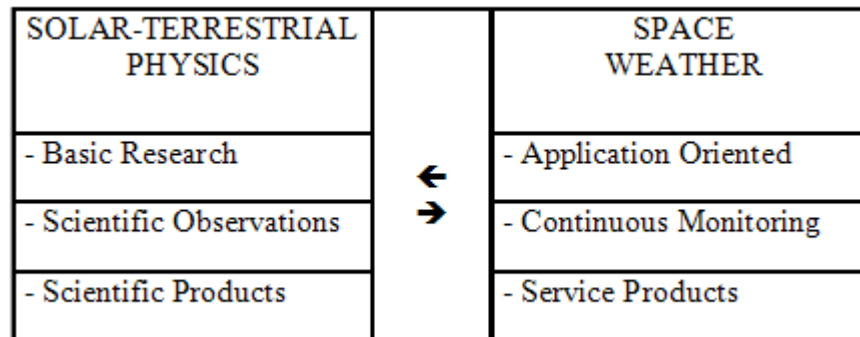
- o Introduction to SWWT and ESPD communities
- o SWWT and ESPD Updates
- o BRAINSTORMING: How can more contact between the space weather [SWWT] community and the solar [ESPD] community be imagined -with “applications” in mind?



- SWWT (Space Weather Working Team)  
[ [http://www.esa-spaceweather.net/spweather/esa\\_initiatives/swwt/index.html](http://www.esa-spaceweather.net/spweather/esa_initiatives/swwt/index.html) ]
- ESPD (European Solar Physics Division)  
[ <http://achilles.nascom.nasa.gov/~dmueller/espdp/index.php> ]
- CESRA (Community of European Solar Radio Astronomers)  
[ <http://www.lesia.obspm.fr/cesra/> ]
- JOSO (Joint Organization for Solar Observations)  
[ [http://www.joso-info.org/JOSO\\_PROJEKT/main/index.htm](http://www.joso-info.org/JOSO_PROJEKT/main/index.htm) ]
- EAST (European Association for Solar Telescopes)  
[ <http://www.astro-east.org/> ].

- **EPS Council meeting in Mulhouse:** report [New ESPD statutes and bylaws were prepared, thereafter modified after discussion in the ESPD board and finally submitted to the EPS Council who approved them recently at its meeting of 19-20 March 2010 in Mulhouse, France. ]
- **FP7 ESSENSE proposal: status** [Coordination and Support Action (CSA) proposal that had been prepared and submitted by ESPD to SPACE call 2009 as a Support Action ]
- **ESPM-13:** announcement and status [upcoming 13th European Solar Physics Meeting (ESPM-13) will be held in Ixia, Rhodes, Greece, from 11 to 16 September 2011
- **ESPD plans** [Education and Public Outreach Committee, Conference Committee, Summer School Committee, Prizes and Awards Committee, Nominating Committee]

- o Traditionally data has been flowing from STP research to space weather applications. Hanna Rothkaehl noted though that there has been a change in this one-way flow between the two fields during the last years and that a two-way flow has emerged. Now large scale monitoring and data outputs from space weather tools are sometimes used as input to STP data analysis and models, whereafter the output of the STP research is sent back to the space weather tools.



- o The European space weather “user community” continues to expand and new users of space weather products continue to grow. Andrew Coates commented that following the recent extended period of solar minimum users from the insurance industry have started to contact the scientists again. This is a good sign and supports efforts in space weather education to attract potential space weather users.

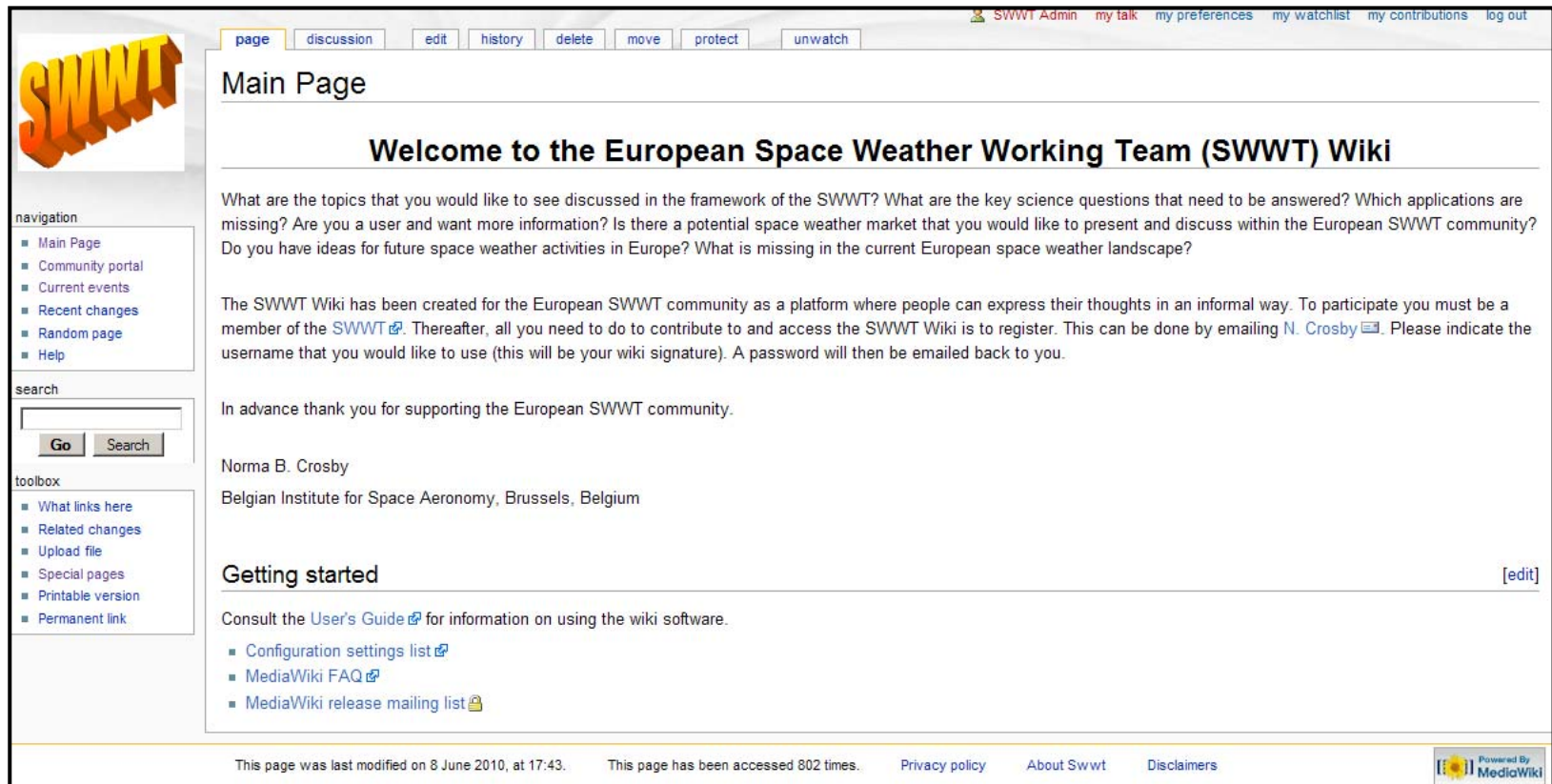
# 8. SWWT Terms of Reference

- o Update is necessary.
  - o Do we remain the ESA SWWT or are we becoming the European SWWT?
  - o What is the role of the Steering Board?

# 9. SWWT Wiki

<http://swwt.aeronomie.be>

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



The screenshot shows the main page of the SWWT Wiki. At the top right, there is a navigation bar with links for 'SWWT Admin', 'my talk', 'my preferences', 'my watchlist', 'my contributions', and 'log out'. Below this is a secondary navigation bar with buttons for 'page', 'discussion', 'edit', 'history', 'delete', 'move', 'protect', and 'unwatch'. The main heading is 'Main Page'. A large section titled 'Welcome to the European Space Weather Working Team (SWWT) Wiki' contains introductory text. Below this, there is a paragraph asking for topics to be discussed and a paragraph explaining the purpose of the wiki and how to register. A signature block for 'Norma B. Crosby' is present, followed by her affiliation with the Belgian Institute for Space Aeronomy. A 'Getting started' section includes a link to the 'User's Guide' and a list of links for 'Configuration settings list', 'MediaWiki FAQ', and 'MediaWiki release mailing list'. The footer contains modification and access statistics, a privacy policy link, and a 'Powered By MediaWiki' logo.

SWWT Admin my talk my preferences my watchlist my contributions log out

page discussion edit history delete move protect unwatch

## Main Page

### Welcome to the European Space Weather Working Team (SWWT) Wiki

What are the topics that you would like to see discussed in the framework of the SWWT? What are the key science questions that need to be answered? Which applications are missing? Are you a user and want more information? Is there a potential space weather market that you would like to present and discuss within the European SWWT community? Do you have ideas for future space weather activities in Europe? What is missing in the current European space weather landscape?

The SWWT Wiki has been created for the European SWWT community as a platform where people can express their thoughts in an informal way. To participate you must be a member of the [SWWT](#). Thereafter, all you need to do to contribute to and access the SWWT Wiki is to register. This can be done by emailing [N. Crosby](#). Please indicate the username that you would like to use (this will be your wiki signature). A password will then be emailed back to you.


In advance thank you for supporting the European SWWT community.

Norma B. Crosby  
Belgian Institute for Space Aeronomy, Brussels, Belgium

### Getting started [edit]

Consult the [User's Guide](#) for information on using the wiki software.

- [Configuration settings list](#)
- [MediaWiki FAQ](#)
- [MediaWiki release mailing list](#)

This page was last modified on 8 June 2010, at 17:43. This page has been accessed 802 times. [Privacy policy](#) [About Swwt](#) [Disclaimers](#) 

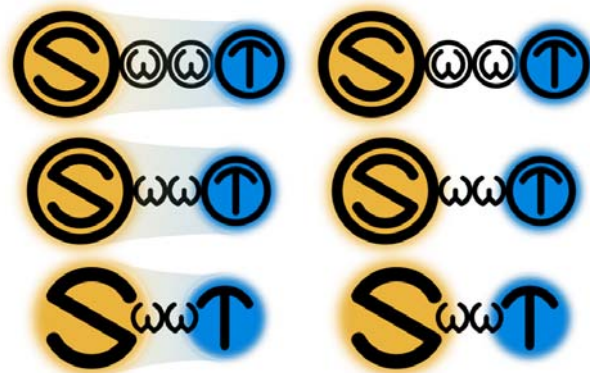


# SWWT wiki logo contest

SWWT logo suggestion from Jens Rodmann:

“About the logo, what do you think about the idea to take one of the drawings from your I Love My Sun initiative? I bet there’ll be many nice drawings by the kids which can be modified to serve as a logo.”

SWWT logo suggestion from Juan Cabrera:



# 10. SWWT Roadmap

To be given by Norma Crosby and Alexi Glover.

# 7th Canadian Solar Workshop

October 15-18, 2010

“La Petite Rouge”, a resort in Quebec [2 hours to drive from Montreal or 2 hours to drive from Ottawa]. Reason for location is very simple: equidistant from the “Forecast Centre” in Ottawa and from Université de Montreal, where most solar physics resides.

Reason to regularly hold the meeting: to coordinate our efforts for better forecast models.

Contact: Larisa Trichtchenko

