

SWWT

SWWT meeting #23

ESTEC

4th June 2008, 10:00 to 16:30

SWWT

- Attendees
 - Mike Hapgood, Alexi Glover, Iwona Stanislawska, Susan McKenna-Lawlor, Sean Bruinsma, Norma Bock Crosby, Ronald van der Linden, Pablo Beltrami, Petra van Lommel, Alan Hilgers, Jean-Yves Prado
- Apologies
 - Norbert.Jakowski, Daniel Heynderickx, Juha-Pekka Luntama, Mauro Messerotti, Bruno Zolesi, Stefaan Poedts, Paul Gille, Peter Beck, Bob Wimmer-Schweingruber, Werner Schmutz, Jan Lastovicka, Anna Belehaki, Frank Jansen, Erwin Flueckiger, Alan Thomson, Lars Eliasson, Michael Rycroft

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AGENDA

1. Introduction and welcome, agree agenda
2. SWWT status report (MH, AG)
3. Action item review
4. News and summary of major progress following last meeting:
 - ESWW5 (RvdL)
 - New COST action (AG?)
 - FP7: SOTERIA (PG?), EURIPOS (MH)
 - SSA progress (MH, AG)
 - WMO and Space Weather (AH?)
 - SWENET Status (PB)
 - ESWWP Status Web Portal Coordination (NC)
 - SpW Journal (MH for AB)
5. Topical Group presentations: EOEM (NC), GIC (AG for AT), Atmos (SB)
6. Links with other entities
 - ISES, SEENoTC, ILWS
7. AOB
 - Report from US workshop on severe SpW events (MH), Astronet (MH), notes from ARC, Atmocube sw cubesat proposal (MM), German SpW (VB)

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Review of key actions

M20	6	MH to draft resolution on SWENET following next SWWT Executive Group meeting
		Review in light of SSA planning?
M20	5	ED to draft resolution on virtual observatories
M20	3	ESA representatives to contact Steve Gabriel re. the Spacecraft Engineering training course run at ESA as a form of space weather outreach.
M20	1	MH and AG to contact PB and email SDAs to assess who would be interested in a next phase joint technical meeting of SDA community.

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Review of key actions

M19	7	MH - contact Juha-Pekka Luntama at FMI to see if their report to EUMETSAT can be made available to SWWT members - and also to ask if SWWT member should lobby STG members.
		JPL to provide list of STG members – see list MH to circulate report
M19	5	TBD to explore how to set European user group for dissemination of ST data from SWARM.
M19	4	MH to raise awareness of the need for mechanisms to move space weather models into operations.

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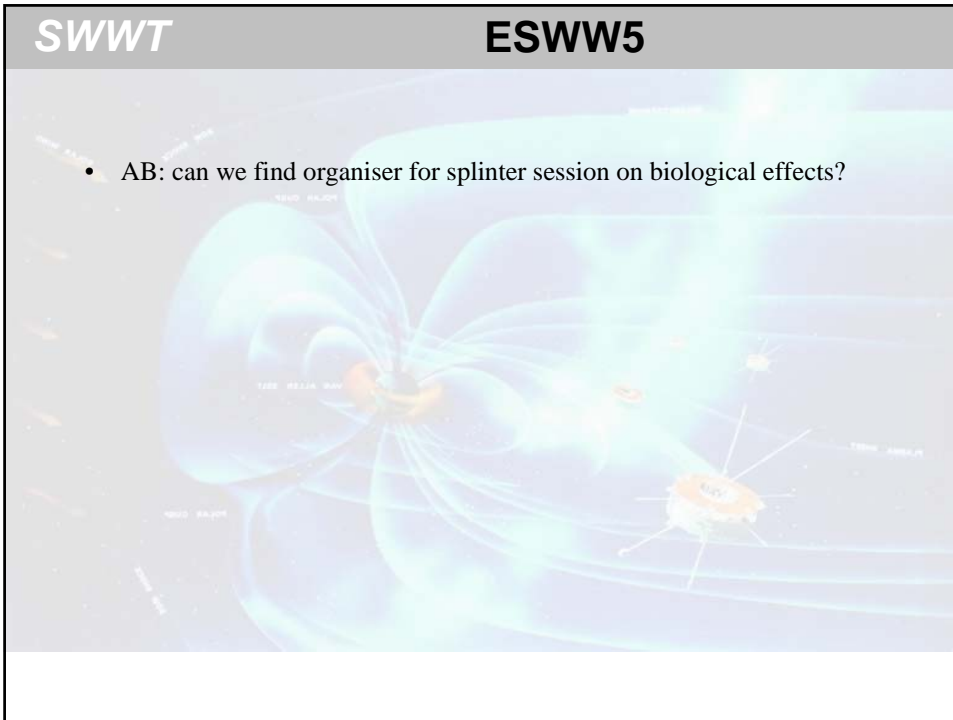
Review of key actions

M18	11	Take advantage of IHY to start new long term monitoring such as the monitoring of solar radio flux, signature of CMEs, shocks, SEP, ... from a network of multi-frequency radio telescopes (SW radioscientists, January 2006 European IHY meeting)
M18	6	Propose contact with Meteo National Delegates
M18	5	Send comments and recommendations to A. Glover and A. Hilgers about the use of the SWENET services, the SDAs which will emerge, etc. (All SWWT members, As soon as possible)
		Keep open - linked to work on the Space Weather portal.
M18	4	Send to the SWWT members examples showing how to operate SWENET (P. Beltrami).

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ESWW5

- AB: can we find organiser for splinter session on biological effects?



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NEW COST ACTION

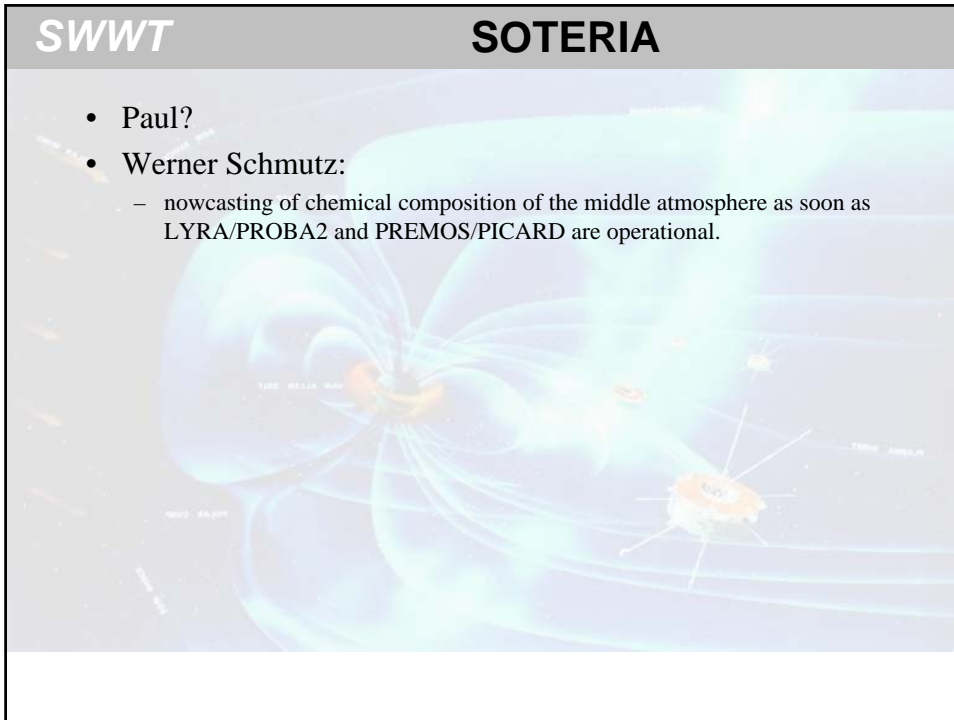
- Led by Anna Belehaki
- Kick off at ESWW5



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SOTERIA

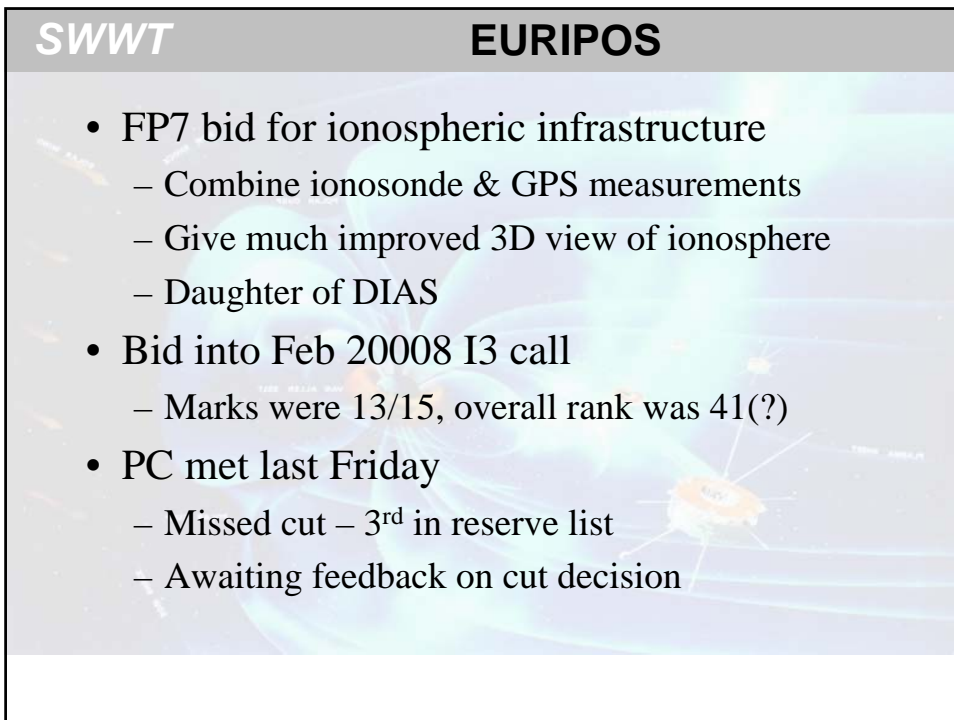
- Paul?
- Werner Schmutz:
 - nowcasting of chemical composition of the middle atmosphere as soon as LYRA/PROBA2 and PREMOS/PICARD are operational.



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EURIPOS

- FP7 bid for ionospheric infrastructure
 - Combine ionosonde & GPS measurements
 - Give much improved 3D view of ionosphere
 - Daughter of DIAS
- Bid into Feb 2008 I3 call
 - Marks were 13/15, overall rank was 41(?)
- PC met last Friday
 - Missed cut – 3rd in reserve list
 - Awaiting feedback on cut decision



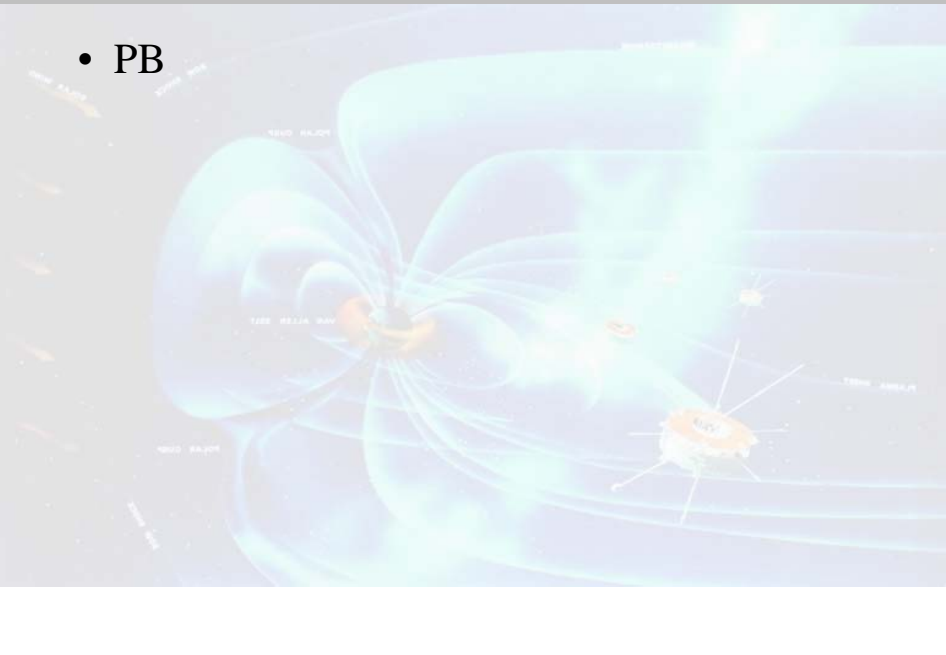
- Board of potential participants formed
 - Spain chairs, series of recent meetings
- MH attended User Group mtg on 14 April
 - Architecture is network + domains (e.g. SpW)
 - Budget proposal was 270 MEuro over 10 yrs, 30 MEuro for space weather
 - Initial phase to federate assets, can SpW element build on SWENET?

- WMO report: THE POTENTIAL ROLE OF WMO IN SPACE WEATHER
- Published April 2008, PDF available
 - <http://www.wmo.int/pages/prog/sat/Refdocuments.html#SpaceWeather>
- Major input from ISES (Joe Kunches)
- Report to WMO 60th Executive Council
- SWWT actions?
 - Raise awareness of report
 - Lobby national contacts for WMO?
 - Any European lobbying
- EMS session (MM slides)

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SWENET

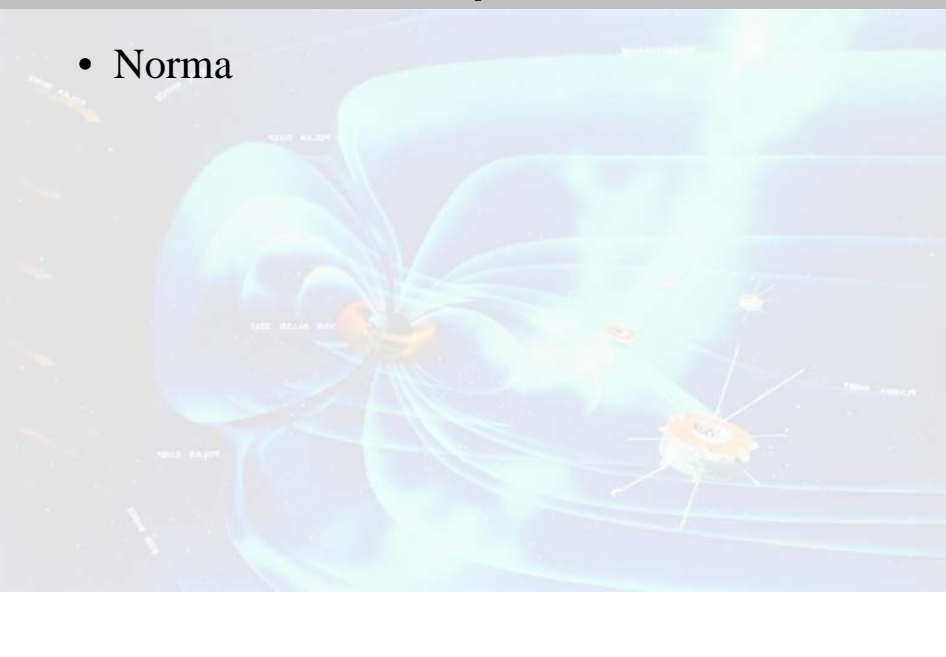
- PB



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SpW Portal

- Norma



- AB: If tomorrow you are planning to discuss the set up of the new Journal on Space Weather, please find attached additional information from Martin concerning the total sponsorship requested for the first 3 years. The amount is higher than I thought!
- EGU is going to cover a part of the sponsorship but we do not know yet how much.
- I also contracted COST (Carine Petit) who was very positive but some discussions inside COST have to be initiated.
- EOARD is another potential sponsor. They are also positive but they have to see under which funding tool they can sponsor the journal.

- New chair
- Nottingham meeting
- COST-296 MC – slides

SWWT Ionospheric Scintillation Workshop

Hosted by Univ Nottingham (UK) in Feb 2008

- Co-sponsored by COST296
- Attended by 40 leading experts representing 17 countries

Scintillation effects still difficult to predict and mitigate

- impair safety critical applications of GNSS

Monitoring services exist/planned at national level

- Need to understand & model data from such networks
- How to integrate to provide warning/mitigation information in timely & reliable manner.

Propose 'Ionospheric Perturbation & Detection Monitoring' network in Europe

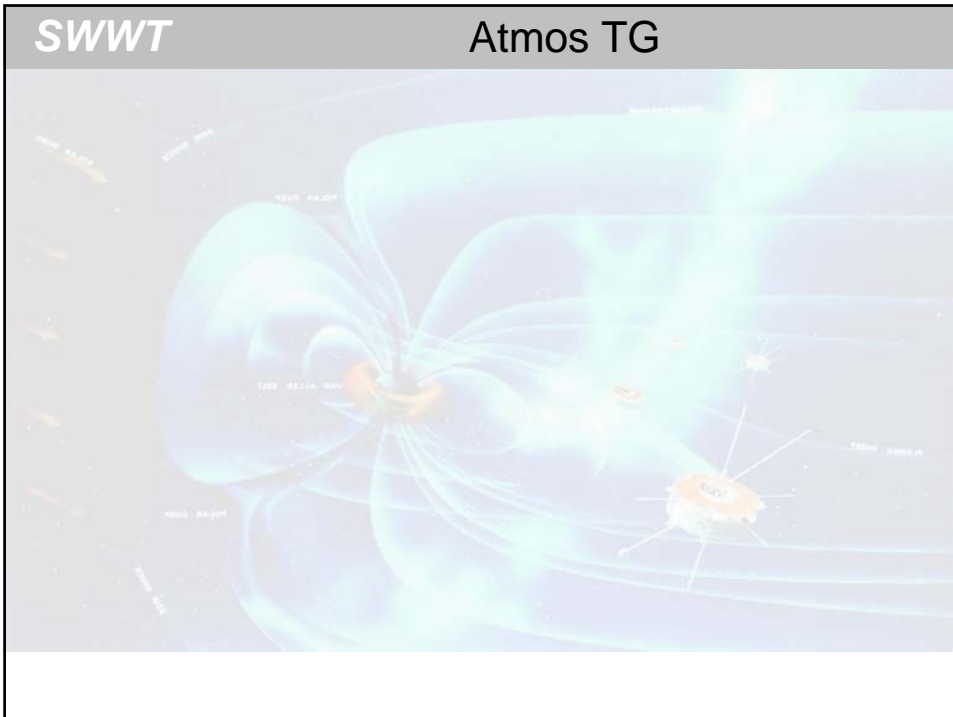
- foundation of a research initiative to address issues above
- potentially a service to meet expectations raised by the workshop.
- pursue funding opportunities in Europe, in particular within FP7

Workshop presentations on line at

- http://www.nottingham.ac.uk/iessg/public/2008_iono_workshop/

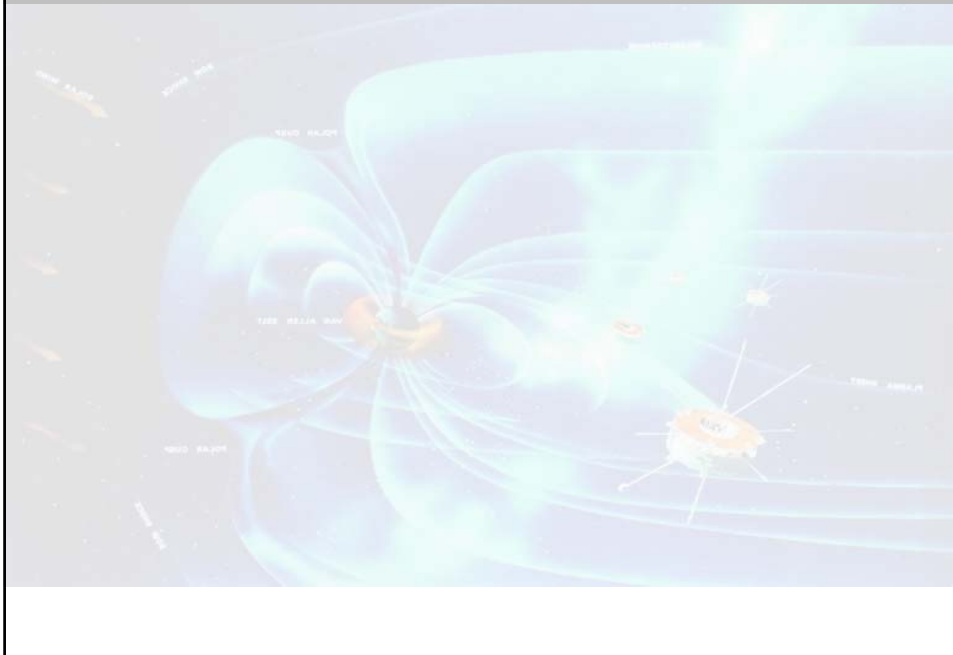
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Atmos TG



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EOEM TG



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AOB

