

PROGRAMME

TUESDAY - 7th January 2011

12:00 **LUNCH** (at own cost)

Session 1

13:30 Welcome and some announcements (Th Ulich)

13:45 Innovation Centre to be established in Sodankylä (E Turunen)

14:05 ESPAS, Madrigal and SGO ionospheric data: Present and future data services and routines (C-F Enell, I Häggström, P Bergqvist, A Kozlovsky, Th Ulich, T Turunen, J Oinas, B Rideout)

14:35 **Discussion** – Observatory operations

- SGO's development of measurements processes and installation protocols
- Towards an SGO Data Policy (real-time/space weather requirements, credit from data use etc)

15:00 **COFFEE**

Session 2

15:30 MaxLab Collaboration (E Turunen)

16:00 Simulation of radio-occultation experiments between the Earth and Mars (M Grandin, P-L Blelly and O Witasse)

16:30 **Discussion** – Funding Opportunities

Horizon 2020

- EU-Africa programme
- Marie-Curie Innovative Training Network
- European Space Strategy?

TEKES

- Deadline in late February, development of instruments?

Academy of Finland

- Infrastructure funding (spring 2014)
- Research projects (autumn 2014)

EAKR

other?

DINNER?

20:30 **SAUNA**

WEDNESDAY - 8th January 2011

08:00 **BREAKFAST** (only for guest room occupants, at own cost)

Session 3 – Polar Ionosphere

09:00 Auroral altitude and arcyness in 1996-2007 (N Partamies, D Whiter, K Kauristie)

09:20 Dependence of high-latitude Joule heating on the interplanetary magnetic field (L Cai, A Aikio, T Nygrén)

09:40 ECLAT view of the polar ionosphere: Comparison of the GUMICS one year simulation and observations (L Juusola, G Facskó, I Honkonen, E I Tanskanen, A Viljanen, P Janhunen, K Kauristie, S E Milan, and H Vanhamäki)

10:00 **COFFEE**

Session 4 – Optical and Ground-Based Measurements

10:30 VLF Campaigns Present and Future (J Manninen)

10:50 **Discussion**

- Future of VLF
- Future of optical measurements in Finland
- How to co-ordinate ground-based efforts in Finland and Northern Scandinavia?
- Future of Heating

12:00 **LUNCH** (included in conference fee)

Session 5 – EISCAT & KAIRA

13:00 Working with KAIRA data products (D McKay-Bukowski)

13:20 Multistatic incoherent scatter measurements with EISCAT and KAIRA (I Virtanen, D McKay-Bukowski, J Vierinen, L Roininen)

13:40 KAIRA Imaging Riometer (A Kero)

14:00 Using KAIRA as an interferometric riometer (D McKay-Bukowski)

14:20 **Discussion**

- SGO Infrastructure grant

15:00 **COFFEE**

Session 6 – Space Weather

15:30 EISCAT_3D/WPI I: Software Theory and Implementation (M Orispää)

15:50 Ground-based and e-infras in national and international projects (E Tanskanen)

16:10 Space weather instruments and measurement platforms (P Peitso, E Tanskanen)

16:30 Centre of Excellence in “Research on Solar Long-term Variability and Effects” (ReSoLVE) (E Tanskanen)

16:50 **Discussion**

19:00 **OFFICIAL DINNER** (included in conference fee)

21:00 **SAUNA**

THURSDAY - 9th January 2011

08:00 BREAKFAST (only for guest room occupants, at own cost)

Session 7 – EISCAT

09:00 Finnish EISCAT Collaboration Coordination Meeting (Chair: Anita Aikio)
(the meeting is open to participants of the Sodankylä Seminar)

1. Adoption/change of agenda
2. Reports from the committees
 - 2.1. EISCAT Council (A Aikio)
 - 2.2. EISCAT Science Oversight Committee (Th Ulich)
 - 2.2.1. - 5-year science plan
 - 2.2.2. - Annual reports 2011, 2012, 2013
3. EISCAT Campaigns, present and future
 - 3.1. Radar time 2013
 - 3.2. Radar time 2014, co-ordination of time allocation
 - 3.3. How to run EISCAT campaigns in the future? How to co-ordinate with optical and VLF?
4. EISCAT_3D project
 - 4.1. Funding applications in other countries
 - 4.2. Funding application in Finland
 - 4.2.1. Who will write it, who takes the lead?
 - 4.2.2. Application writing should start now in a generic form so that it is in good shape when the call comes out, can be modelled on the NO and SE applications.
 - 4.3. Academy of Finland Infrastructure call in spring
5. Report of 2013 EISCAT activities to the Academy of Finland
6. Future selection of members for the Collaboration Group
7. Other business

10:00 COFFEE

12:00 LUNCH (at own cost)