

**PROGRAMME, EISCAT\_3D User Meeting, Uppsala 28.-29.5, 2009****Day 1, Thursday 28.5**

08:30-08:45 Welcome, practical information, *E. Turunen/ S. Buchert*

**Morning session, Presentation of the EISCAT\_3D Design Study by the Design Study team, chair: E. Turunen**

08:45-09:30 General overview of the 3D study and the proposed system, including technical details of the transmitters, antennas and receiver system, and demonstrator in Kiruna, *G. Wannberg/ J. Johansson*

09:30-10:00 Multi-beaming, including beamformer system, *G. Wannberg/ W. Puccio*

10:00-10:15 Coffee break

10:15-10:45 Radar interferometry / visualisation, *C. LaHoz*

10:45-11:15 Data storage, data products and availability, visualisation, *Ian McCrea*

11:15-11:30 Closing comments, formal handover of results to EISCAT, *G. Wannberg*

11:30-12:30 Lunch

**Afternoon session, EISCAT\_3D science, chair S. Buchert**

12:30-12:50 EISCAT\_3D Science Case, *M. Kosch*

12:50-13:10 Challenges in aurora research, *A. Aikio*

13:10-13:30 Optical and radar studies of aurora, *I. Sandahl (remote presentation)*

13:30-13:50 Imaging ionosphere-magnetosphere coupling, *S. Buchert*

13:50-14:10 Space environment monitoring in the European Arctic, *T. Ulich*

14:10-14:30 Lower and middle atmosphere applications of EISCAT-3D, *J. Röttger*

14:30-15:00 Coffee break

15:00-15:20 Atmospheric effects of high-energy particles / D-region studies, *E. Turunen/ A. Kero*

15:20-15:40 Heating applications, *T. Leyser/ M. Rietveld*

15:40-16:00 Poker Flat and Resolute Bay IS radars, last status and plans, *J. Kelly*

16:00-16:30 State of the art in IS experiment design/ General purpose IS experiments, *M. Lehtinen/ I. Virtanen*

16:30-16:50 Meteor studies, *A. Pellinen-Wannberg*

16:50-17:10 Planetary radar applications, *J. Vierinen*

17:10-17:30 Considerations for diversification of EISCAT observational capabilities, *P. Mahapatra*

18:30-19:30 Reception at *University Museum Gustavianum*

20:00- Dinner



## **Day 2, Friday 29.5**

### **Morning session, chair: *I. McCrea***

- 09:00-09:15 Swedish national infrastructure application to Swedish Research Council *A. Pellinen-Wannberg*
- 09:15-09:30 Norwegian national infrastructure application to Norwegian Research Council *A. Brekke*
- 09:30-10:30 Open discussion
- 10:30-11:00 Coffee break
- 11:00-12:00 Summary and next steps, *E. Turunen/ I. McCrea*

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