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, lan 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