

Monday 4 September09.30-10.10 *Registration and coffee*

10.10-10.20 Philippe Bougeault (ECMWF) Welcome

Session 1: General

10.20-11.20 Barry Goodison (Environment Canada, Gatineau, Canada) The climate and the cryosphere

11.30-12.30 Klaus Dethloff (Alfred Wegener Inst, Potsdam, Germany) Global implications of Arctic climate processes and feedbacks

12.40-13.50 *Lunch*

13.50-14.50 John King (British Antarctic Survey, Cambridge, UK) The Antarctic

15.00-15.30 *Coffee/Tea*

15.30-16.30 Thor-Erik Nordeng (NMI, Oslo, Norway) The International Polar Year

16.45 *Cocktail party***Tuesday 5 September****Session 2: Processes and phenomena**

09.10-10.10 Judith Curry (Georgia Inst Technol, Atlanta, USA) Arctic field experiments

10.20-10.50 *Coffee/Tea*

10.50-11.50 Mark Drinkwater (ESA - ESTEC, Noordwijk, The Netherlands) Remote sensing of polar ice

12.00-13.00 Barry Goodison (Environment Canada, Gatineau, Canada) Snow measurement: solid precipitation and snow cover

13.10-14.20 *Lunch*

14.20-15.20 John Turner (British Antarctic Survey, Cambridge, UK) Polar lows and other high latitude weather systems

15.30-16.00 *Coffee/Tea*16.00-17.00 Mike Wallace (Univ Washington, Seattle, USA)
Presented by Brian Hoskins, Univ Reading) The Arctic Oscillation**Wednesday 6 September****Session 3: Modelling and assimilation**

09.10-10.10 Erik Andersson (ECMWF) Data assimilation at high latitudes

10.20-10.50 *Coffee/Tea*

10.50-11.50 Tony McNally (ECMWF) Use of satellite data at high latitudes

12.00-13.00 Daniel Cariolle (Météo France, Polar and midlatitude ozone

Toulouse, France)

13.10-14.20 *Lunch*

14.20-15.20 Richard Essery (Univ Wales, Aberystwyth) Snow modelling

15.30-16.00 *Coffee/Tea*

16.00-17.00 Judith Curry (Georgia Inst Technol, Atlanta, USA) Modelling challenges at high latitudes

Thursday 7 September

Session 3: Modelling and assimilation (continued)

09.10-10.10 Helene Banks (Met Office, Exeter, UK) Sea ice modelling for climate applications

10.20-10.50 *Coffee/Tea*

10.50-11.50 Anton Beljaars (ECMWF) Atmosphere/surface interactions in the ECMWF model at high latitudes

12.00-13.00 Nils Gustafsson (SMHI, Norrköping, Sweden) NWP at high latitudes

13.10-14.20 *Lunch*

Session 4: Predictability at high latitudes

14.20-15.20 Thomas Jung (ECMWF) Performance of the ECMWF model in polar regions

15.30-16.00 *Coffee/Tea*

16.00-17.00 Alan O'Neill (Univ Reading, UK) The dynamics of the stratospheric polar vortex

19.30 *Seminar Dinner*

Friday 8 September

Session 4: Predictability at high latitudes (continued)

09.10-10.10 David Anderson (ECMWF) Monthly to seasonal prediction

10.20-10.50 *Coffee/Tea*

10.50-11.50 Jochem Marotzke (MPI, Hamburg, Germany) Thermohaline circulation

12.00-13.00 Jens Christensen (DMI, Copenhagen, Denmark) Anthropogenic climate change

13.10 *Close/Lunch*