

ECMWF-WWRP/THORPEX Workshop on polar prediction 24 to 27 June 2013

Programme

Monday, 24 June

Overview

13:30 - 14:00	Registration	
14:00 - 14:10	Erland Källén – ECMWF	Welcome
14:10 - 14:15	Peter Bauer – ECMWF	Workshop information
14:15 - 14:45	Thomas Jung – AWI	WWRP Polar Prediction Project
14:45 - 15:15	Ted Shepherd – U Reading	Polar climate predictability
15:15 - 15:45	<i>Tea</i>	
15:45 - 16:15	Peter Bauer – ECMWF	Polar prediction at ECMWF
16:15 - 16:45	Dave Bromwich – Ohio State U	Numerical weather prediction for the Arctic and the Antarctic
16:45 - 17:15	Poster introduction	
17:15 - 19:00	<i>Reception + Poster Session</i>	

Tuesday, 25 June

Predictability

9:00 – 9:30	Gregory Smith – Env. Canada	Small-scale ice-ocean-wave processes and their impact on coupled environmental polar prediction
9:30 – 10:00	Virginie Guemas – IC3 Barcelona	The role of sea-ice in extended range prediction of atmosphere and ocean
10:00 – 10:30	Eric Brun – Météo-France	Using reanalyses for studying past Eurasian snow cover and its relationship with circulation variability
10:30 – 11:00	<i>Coffee</i>	
11:00 – 11:30	Trond Iversen – Met No	Polar lows – still a considerable challenge for polar weather prediction?
11:30 – 12:00	Doug Smith – Met Office	Seasonal to decadal prediction of the Arctic Oscillation

Observations/data assimilation

12:00 – 12:30	Erik Andersson – ECMWF	Polar observation networks
12:30 – 13:30	<i>Lunch</i>	
13:30 – 14:00	Mark Drinkwater – ESA	Satellite data relevant to polar prediction and climate studies
14:00 – 14:30	Michael Tjernström – U Stockholm	Why modellers should care about field projects
14:30 – 15:00	Florence Rabier – Météo- France	Model performance and data impact over Antarctica

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15:00 – 15:30	Mark Buehner – Env. Canada	Overview of sea ice data assimilation activities at Environment Canada
15:30 – 16:00	<i>Tea</i>	
Modelling		
16:00 – 16:30	Anton Beljaars – ECMWF	Physical processes of the polar atmosphere
16:30 – 17:00	Ian Renfrew – U East Anglia	Polar storms and polar jets: meso-scale weather systems in the Arctic and Antarctic
17:00 – 17:30	Ola Persson – NOAA	Observations and modeling of polar clouds and their interactions with synoptic/ mesoscale "weather" and Arctic surface conditions
19:00	<i>Workshop dinner</i>	
Wednesday, 26 June		
Modelling cont'd		
9:00 – 9:30	Elizabeth Hunke – LANL	The state of affairs in modelling sea ice and its atmosphere/ocean interconnections
9:30 – 10:00	Richard Essery – U Edinburgh	Snowpack modelling and data assimilation
Verification/diagnostics		
10:00 – 10:30	Pertti Nurmi – FMI	Forecast verification in a polar framework
10:30 – 11:00	<i>Coffee</i>	
11:00 – 11:30	Linus Magnusson – ECMWF	Diagnostics of the ensemble prediction system in polar regions
11:30 – 11:45	Thomas Jung – AWI / Peter Bauer – ECMWF	Working group instruction and formation
11:45 – 12:30	Working Groups	
12:30 – 13:30	<i>Lunch</i>	
13:30 – 18:00	Working Groups	
Thursday, 27 June		
9:00 – 11:00	Working groups	
11:00 – 12:30	Plenary session	
12:30	<i>Adjourn</i>	