

GEOSS-IPY Science:

Data Management, Polar Climate Science and GEOSS: Recommendations for the future

To follow the 2010 OSLO IPY Science Conference in Oslo Norway [www.ipy-osc.no], a post-conference scientific workshop will explore developments and implications of the Global Earth Observation System of Systems – GEOSS (see <http://www.ieee-earth.org/events/geoss-workshop-xxxv-arctic-climate-and-data-stewardship>)

Organised in association with IEEE, ICEO, NASA and the Norwegian Meteorological Institute

**Location of Workshop: Research Council, Room Frisch, Oslo,
Norway, 13 - 14 June 2010**

The workshop is comprised of two parts over one and one-half days. The first day includes a series of invited presentations and panel discussions that focus on “*The Significant Issues in Polar Climate Science that Depend upon Effective Data Management*” and “*How can the Data Management Community respond to the Significant Issues in Polar Climate Science over the Next Decade?*” The morning of the second day focuses on the GEOSS Data Architecture with parallel break-out groups addressing how GEO can respond to the future data requirements of Polar Climate Science.

Day 1: Sunday, June 13, 2010 Moderator: Dr. A.J. Gasiewski (Morning)

Time	Topic	Speaker
SESSION 1: Opening		
8:30	Welcome, Introduction and workshop objectives	Al Gasiewski, ICEO and the University of Colorado
9:05	Overview of GEOSS	Ellsworth LeDrew, ICEO, UIC/GEO and the University of Waterloo
SESSION 2: What are the Significant Issues in Polar Climate Science that Depend upon Effective Data Management?		
9:30	Polar climate science: experiences from the IPY and future challenges	Cecilie Mauritzen Norwegian Meteorological Institute, Oslo
9:55	SAON and Polar Climate Science	David Hik, University of Alberta
10:20	Refreshment Break	
10:35	Climate and Cryosphere (CliC) Project and Update	Daqing Yang, CliC International Project Office, Tromso

Time	Topic	Speaker
11:00	The Industrial Perspective on Polar Climate Science and Development	Panel of Industrial representatives: Paul Emils Eglitis - Moderator; Steve Shelton, Raytheon; Graham Thomas, British Petroleum; Hans Jørgen Sætre , Shell Technology Norway
11:30	Open discussion – Industrial Perspective	Moderator: Paul Emils Eglitis; panel representatives
12:00	Open discussion for all: The Evolving Data Requirements of Polar Climate Science	Moderator: Ellsworth LeDrew
12:30	No Host Lunch	
SESSION 3: How can the Data Management Community respond to the Significant Issues in Polar Climate Science over the Next Decade? Moderator: Paul Emils Eglitis (Afternoon)		
13:30	Data Management for Polar Climate Science	Øystein Godøy, Norwegian Meteorological Institute, Oslo
14:00	Polar Information Commons	Mark Parsons, NSIDC
14:30	Global Cryosphere Watch	Ellsworth LeDrew, University of Waterloo
15:00	Refreshment Break	
15:30	Panel Session: The Challenges of Meeting the Data Requirements for Polar Climate Science	Moderator: David Hik
Session 4: Summary and General Discussion		
16:00	Summary of Major Issues Identified	Paul Emils Eglitis, Norwegian Meteorological Institute Ellsworth LeDrew, University of Waterloo
16:30	Discussion of Major Issues and Prioritization of Breakout Session Themes	All
17:00	End of Day 1	
No-Host DINNER: Venue TBD		

Day 2: Monday, June 14, 2010
Moderator: Al Gasiewski

Time	Topic	Speaker
SESSION 4: Data Management within the GEO Framework		
8:30	Summary of Day One	Ellsworth LeDrew, University of Waterloo
9:00	Charge to Breakout sessions	Al Gasiewski
9:20	Parallel Breakout Sessions Group A – Lessons learned from IPY data management Group B – System Development	
10:30	Coffee Break	
10:45	Parallel Breakout Sessions Groups A and B – Recommendations discussion	
11:45	Plenary with Reporting and Recommendations	
12:30	End	