
**GLOBAL CRYOSPHERE WATCH (GCW)
Snow-Watch Workshop**

Date: 28.I.2013

TORONTO, CANADA
28 – 30 JANUARY 2013

Original: English

PRELIMINARY AGENDA

**VENUE: Environment Canada, 4905 Dufferin Street, Toronto, Ontario, Canada
M3H 5T4, Conference Room 3**

MONDAY JANUARY 28 (0900-1730)

1. ORGANIZATION OF THE WORKSHOP

- 1.1 Welcome and opening
- 1.2 Adoption of the agenda
- 1.3 Working arrangements
- 1.4 Participant introductions

2. BACKGROUND

- 2.1 GCW Implementation Plan
- 2.2 Workshop Objectives
- 2.3 Summary of Questionnaire

3. SESSION 1: IN-SITU MONITORING

- 3.1 Environment Canada National Snow Network Project: Rick Fleetwood, MSC, Environment Canada, Fredericton, Canada
- 3.2 The US SNOTEL Program: Jim Marron, USDA, USA
- 3.3 Snow Monitoring Data and Products at NCDC: Jay Lawrimore, NCDC, Ashville, USA
- 3.4 Snowfall Measurement Challenges-SPICE: Rodica Nitu, MSC, Environment Canada, Toronto, Canada
- 3.5 GCW Initiative for Improving in-situ Snow Depth Measurement and Exchange: Eric Brun, Météo-France, Toulouse, France
- 3.6 Discussion: common issues, QC, data timeliness, data sharing, GCW priorities

LUNCH

4. SESSION 2: SATELLITE SNOW COVER PRODUCTS

- 4.1 GlobSnow Passive Microwave-based SWE time series: Kari Luojus, FMI, Helsinki, Finland
- 4.2 GlobSnow Snow Extent-product: Sari Metsämäki, Finnish Environment Institute, Helsinki, Finland
- 4.3 MODIS snow products: Dorothy Hall, NASA, Greenbelt, USA

- 4.4 Snow products and services from the GMES CryoLand Project: Thomas Nagler, Enveo IT GmbH, Innsbruck, Austria
- 4.5 Snow product development and applications in the Scandinavian Mountains: Rune Solberg, Norwegian Computing Centre, Oslo, Norway
- 4.6 Retrieval of the ECV snow extent from the long-term satellite data (AVHRR) record of University of Bern: Stefan Wunderle, U. Bern, Bern, Switzerland
- 4.7 ESA snow monitoring initiatives: Bojan Bojkov, ESA/ESRIN, Frascati, Italy
- 4.8 PMW applications for snow cover monitoring: Marco Tedesco, CUNY, New York, NY USA
- 4.9 Discussion: common issues, validation, GCW priorities, etc

END OF DAY (1730)

TUESDAY JANUARY 29 (0900-1700)

5. SESSION 3: SNOW ANALYSIS PRODUCTS

- 5.1 National Ice Center (NIC) snow analysis products: Sean Helfrich, NOAA/NESDIS/NOAA Ice Center, Washington DC, USA
- 5.2 Blended satellite product: Peter Romanov, NOAA/NESDIS/STAR, Washington, DC USA
- 5.3 NOHRSC operational snow analysis: Andy Rost, NOHRSC, NOAA/NWS, Chanhassen, MN, USA (participation by internet)
- 5.4 Snow cover re-analysis activities at Canada Centre for Remote Sensing (CCRS): Richard Fernandes, NRCan/CCRS, Ottawa, Canada
- 5.5 Snow data assimilation in CaLDAS (Canadian Land Data Assimilation System): Stephane Belair, Numerical Weather Prediction Research, Environment Canada Dorval, Canada
- 5.6 ECMWF snow data assimilation: use of snow cover products and in situ snow depth data for NWP: Patricia De-Rosnay, ECMWF, Reading, UK
- 5.7 Discussion: common issues, validation, GCW priorities etc

LUNCH

6. SESSION 4: SNOW RESEARCH DATASETS

- 6.1 NOAA-CDR dataset: Dave Robinson, Rutgers University / NJ State Climatologist, Piscataway, NJ, USA
- 6.2 Arctic snow cover monitoring: Chris Derksen / Ross Brown, Environment Canada, Toronto and Montreal, Canada
- 6.3 Reanalysis-driven snow cover products: Drew Slater, NSIDC, Boulder, USA
- 6.4 Outcomes of the European satellite snow monitoring workshop: Kari Luojus, FMI, Helsinki, Finland
- 6.5 Demo of Canadian Cryospheric Information Network (CCIN): Julie Friddell, U. Waterloo, Waterloo, Canada
- 6.6 Discussion: common issues, validation, user needs, GCW priorities etc

END OF DAY (1700)

1730 -2130 GROUP DINNER (own expense, within walking distance of venue)

WEDNESDAY JANUARY 30 (0900-1200)

7. SESSION 5: TOWARDS THE DEVELOPMENT OF A GCW SNOW-WATCH

- 7.1 Rapporteur reports and discussion
- 7.2 Recommendations for GCW Snow-Watch projects
- 7.3 Establishment of GCW Task Team to oversee the development of a *GCW Snow-Watch*
- 7.4 Summary of action items and planning for next meeting

8. CLOSING REMARKS

1230-1600 Optional field trip to EC CARE precipitation intercomparison site, weather permitting (Rodica Nitu) – SPICE Intercomparison Site
