

# LCLUC Science Team Meeting Agenda

## Science Focus on High Latitudes in the Context of the International Polar Year

Room 2101/03/05

### Thursday May 1

- 9:00-9:25 Introduction and goals for the workshop (Garik Gutman, NASA Headquarters; Chris Justice, University of Maryland, College Park)
- 9:25-10:00 Overview of satellite observations of recent land cover/ vegetation disturbance and productivity changes in high latitudes (Scott Goetz, Woods Hole Research Center)
- 10:00-10:25 Mapping boreal zone (Matt Hansen & Peter Potapov, South Dakota State University)
- 10:25-10:45 Cumulative effects of resource development, reindeer herding, and climate change on the Yamal Peninsula, Russia (Skip Walker, University of Alaska)
- 10:45-11:15 *Coffee break*
- 11:15-11:30 Human dimensions in the Arctic tundra under changing climate conditions (Nancy Maynard, NASA Goddard Space Flight Center)
- 11:30-11:50 Climate adaptation in relation to reindeer herding (Svein Mathiesen, Saami University College, Norway)
- 11:50-12:20 Recent developments in the GOFC GOLD Land Cover program (Curtis Woodcock, Boston University)
- 12:20-13:15 *Lunch*
- 13:15-13:45 Update on current Landsats and LDCM instrument and data system (Thomas Loveland, U.S. Geological Survey, EROS Data Center)
- 13:45-14:15 Update on Global Land Surveys: past, present and future (Jeff Masek, NASA/GSFC)
- 14:20-14:50 *Coffee break*
- 14:50-15:25 Overview of LCLUC interactions with Arctic hydrology with emphasis on land use (Charles Vörösmarty, University of New Hampshire)
- 15:25-16:00 LCLUC interactions with Arctic hydrology with emphasis on linkages to carbon cycle (Kyle McDonald, Jet Propulsion Laboratory)
- 16:00-16:35 LCLUC and carbon cycling in high latitudes (Olga Krankina, Oregon State University)
- 16:35-17:00 Discussion

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DAY 2 REVISED AGENDA

- 9:00-9:30 Overview of changes in permafrost in Northern Hemisphere; link to carbon cycle (Vladimir Romanovsky, University of Alaska, Fairbanks)
- 9:30-10:00 Overview of radiation and arctic aerosol interactions with LCLUC (Irina Sokolik, Georgia Institute of Technology)
- 10:00-10:30 Social science data for high latitudes (Robert Chen, Center for International Earth Science Information Network)
- 10:30-11:00 *Coffee break*
- 11:00-11:30 The NASA Land Long Term Data Record Initiative: Status - Eric Vermote (University of Maryland)
- 11:30-11:45 The Land Portal Initiative – (Tres Montano)
- 11.45 – 12.15 Discussion of the Arctic LCLUC Book - Garik Gutman  
Future directions for Arctic LCLUC Research  
Update and planning for Arctic LCLUC book
- 12.15— 1:00 Summary statements and Feedback Discussion - Garik Gutman/Chris Justice
- 1:00 *Boxed Lunch*