

CESM Land Ice Working Group Meeting
30 - 31 January 2014
National Center for Atmospheric Research – Mesa Lab
Boulder, Colorado

THURSDAY, 30 January – Main Seminar Room

Webcast: >>>> Webcast: www.fin.ucar.edu/it/mms/ml-live.htm <<<<

Joint Session with PCWG

8:30	<i>Coffee</i>	
9:00	Welcome and logistics	Co-chairs
9:10	Recent CESM science and model development: SMB variability, emergent SMB signals, and CESM/CISM atmosphere-topography	Jeremy Fyke
9:30	Ice sheet model validation	Steve Price/Jeremy Fyke
10:00	CESM over Greenland: Ice sheet versus ice-free regions	Miren Vizcaino
10:30	<i>Break</i>	
11:00	CESM Large Ensemble Project/Climate Variability Diagnostics Package	Jennifer Kay and Adam Philips
11:20	Worrying about snow	Ed Blanchard-Wrigglesworth
11:40	CESM – CISM for paleoclimate	Bette Otto-Bliesner
12:00	<i>Lunch (on your own)</i>	

DAMON ROOM:

Webcast Instructions:

AUDIO: Dial this access number: 1-866-740-1260 – Enter access code **4971358**

VIDEO: Go to www.readytalk.com; under "join a meeting" enter access code **4971358**

1:00	Modeling past and future ice retreat in Antarctic subglacial basins	David Pollard
1:20	Investigating the roles of CO ₂ and insolation on the deglaciation of the Laurentide Ice Sheet over the last deglaciation	Josh Cuzzone
1:40	Insights on ice-dynamic modeling from observations of fast glacier movement	Ute Herzfeld
2:00	Community Ice Sheet Model update	Steve Price
2:20	Updates on CISM2-CESM coupling, and plans for the CESM1.3 release	Bill Sacks
2:40	Progress on the Land Ice Verification and Validation toolkit	Kate Evans
3:00	<i>Break</i>	
3:30	The Albany/FELIX first-order Stokes dycore	Irina Kalashnikova
3:50	Ice sheet initialization and uncertainty quantification	Mauro Perego
4:10	Mass conservation as a tool for ice sheet data interpolation and modeling	Jesse Johnson
4:30	Toward simulations of coupled, Antarctic ice-ocean evolution using POP2x and BISICLES	Dan Martin
5:00	<i>Reception</i>	

FRIDAY, 31 January – Damon Room

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8:30 *Coffee*

9:00 Progress on MPAS Land Ice model development

Matt Hoffman

9:20 (1) Enthalpy-based thermodynamics and drainage model for CISM,
(2) Enlargement of englacial conduits in cold ice – theory and simple experiments

Hari Rajaram

9:50 Coupling taxonomy: A case for tight two-way GCM/Ice model coupling

Bob Fischer

10:10 Data assimilation of ICESat surface altimetry using ISSM
and automatic differentiation

Eric Larour

10:30 *Break*

11:00 Glacier volume estimation as an ill-posed inversion

David Bahr

11:20 Parameterization of basal hydrology near grounding lines in a one-dimensional
ice sheet model

Gunter Leguy

11:40 General discussion

12:00 *Lunch (on your own)*

1:00 General discussion – LIWG plans and priorities

2:00 General discussion – Ice sheet model validation

3:00 *Adjourn*