

CCSM Polar Climate Working Group Meeting

19 - 20 February 2009

The Lodge at Santa Fe

Santa Fe, New Mexico

THURSDAY, 19 February:

8:00 *Continental Breakfast*

8:30 – 8:40 Elizabeth Hunke – Welcome

8:40 – 9:00 [Marika Holland](#), NCAR – An Update on Progress Towards CCSM4

Land and Ice Sheets

9:00 – 9:30 [Dave Lawrence](#), NCAR – “The Contribution of Snow Condition Trends to Future Ground Climate”

9:30 – 10:00 [Joel Rowland](#), LANL – “Arctic River Mobility in Response to Climate Change and its Implications for Floodplain Dynamics and Hydrology”

10:00 – 10:15 *Break*

10:15 – 10:45 [Bill Lipscomb](#), LANL – “Ice Sheets in CCSM4”
[Miren Vizcaino](#)

Ocean

10:45 – 11:15 [Beth Wingate](#), LANL – “A New Theoretical Result for Slow Dynamics at High Latitudes and its Implication”

11:15 – 11:30 Discussion

11:30 – 1:30 *Lunch*

Atmosphere

1:30 – 2:00 [Steve Vavrus](#), University of Wisconsin, Madison – “The Role of Arctic Clouds during Intervals of Rapid Sea Ice Loss”

2:00 – 2:30 [Gijs de Boer](#), University of Wisconsin, Madison – “Arctic Mixed-phase Clouds: Observations and Modeling Challenges”

2:30 – 3:00 [Ed Andreas](#), Northwest Research Associates – “The SHEBA Bulk Turbulent Flux Algorithm”

3:00 – 3:15 *Break*

3:15 – 3:45 [Jen Kay](#), NCAR – “Forcing Datasets for 2007 Hindcast Ocean-ice Model Integrations”

Sea Ice

- 3:45 – 4:15 [Ben Blazey](#), University of Colorado – “Sea Ice Sensitivity to Initial Conditions, Atmospheric Forcing, and Precipitation in CSIM”
- 4:15 Discussion

FRIDAY, 20 February

- 8:00 *Continental Breakfast*

Sea Ice (continued)

- 8:30 – 9:00 [Eric DeWeaver](#), University of Wisconsin, Madison – “Reemergence of Sea Ice Cover Anomalies and the Role of the Sea Ice-albedo Feedback in CCSM Simulations”
- 9:00 – 9:30 [Marika Holland](#), NCAR – “Using CCSM3 to Assess Predictability of Arctic Sea Ice”
- 9:30 – 10:00 [Kyle Armour](#), University of Washington – “A Simple Model for Arctic Sea Ice: Variability and Trends in the September Minimum Ice Extent”
- 10:00 – 10:15 *Break*
- 10:15 – 10:45 [Oksana Guba](#), University of New Mexico – “The Material-Point Method for Sea Ice Dynamics Modeling”
- 10:45 – 11:15 [Cecilia Bitz](#), University of Washington – “Towards a Prognostic Salinity Model in CICE for Biogeochemistry in CCSM”
- 11:15 – 11:30 Discussion
- 11:30 – 1:30 *Lunch*

Biogeochemistry

- 1:30 – 2:00 [Clara Deal](#), University of Alaska, Fairbanks – “A Brief Introduction of the DOE EPSCoR Project: Influence of Sea Ice on Arctic Marine Sulfur Biogeochemistry in CCSM”
- 2:00 – 2:30 [Scott Elliott](#), LANL – “Arctic Validation of Several Algal Biogeochemistry Models Run in Stand-alone CICE”
- 2:30 – 2:45 *Break*
- 2:45 – 3:15 [Nicole Jeffery](#), LANL – “Modeling Ice Algae using Sea Ice Microstructure”
- 3:15 – 3:45 [Meibing Jin](#), University of Alaska, Fairbanks – “Development of a Sea Ice Ecosystem Model in the Coupled POP-CICE Model: Questions and Plans”
- 3:45 Discussion / Adjourn