

CCSM Polar Climate Working Group Meeting
16 February 2010
National Center for Atmospheric Research – Boulder, Colorado

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**

TUESDAY, 16 February – Chapman Room

8:00 *Coffee*

8:30 Marika Holland (NCAR) – Sea Ice Simulated by CCSM4

9:00 Jen Kay (NCAR) – Mean Arctic Climate and Climate Changes under GHG / Aerosol Forcing

9:30 Gokhan Danabasoglu (NCAR) – Update on Decadal Predictability Experiments with CCSM4

9:45 Rich Neale (NCAR) – Update on CAM4 Progress

10:00 Dave Lawrence (NCAR) – Land Model Working Group Update

10:15 *Break*

10:45 Keith Lindsay (NCAR) – Biogeochemistry Working Group Update

11:00 Meibing Jin (UAF) – Coupling of Ice-ocean biogeochemical Cycles in the Arctic with POP-CICE-Ecosystem Model

11:20 Nicole Jeffrey (LANL) – Support for a Model of Tracer Transport in Sea Ice

11:40 Matt Long (Stanford) – Annual CO₂ and O₂ Dynamics in the Ross Sea, Antarctica

12:00 *Lunch*

1:00 Gijs de Boer (LBNL) – Quantifying Seasonal Influence of Stratiform Mixed-phase Clouds on Arctic Sea Ice Growth Rates

1:20 Yafang Zhong (U. Colorado) – An Ocean-sea Ice Coupled Mechanism for Volcanic-triggered Centennial Sea Ice Expansion

1:40 Dave Schneider (NCAR) – Spring Warming in West Antarctica and its Connections with Trends in Regional Sea Ice Extent and the Atmospheric Circulation

2:00 Clara Deser (NCAR) – Climate Response to Future Arctic Sea Ice Loss

2:20 Wieslaw Maslowski (NPS) – Arctic Sea Ice Thickness Distribution: Modeling and Observations

2:40 Alex Jahn (NCAR) – A Tracer Study of the Arctic Ocean's Liquid Freshwater Export Variability

3:00 *Break*

3:30 Update / Discussion Items:

- Laura Landrum (NCAR) – Improved Sea Ice Model Diagnostics
- Dave Bailey (NCAR) – CCSM4 Documentation
- Jen Kay / Marika Holland (NCAR) – CAM-DART Contribution to AON Design Effort
- PCWG Papers for *J. Climate* Special Issue – Marika Discussion Lead
- General Discussion (possible topics: CPT proposal, targeted future model developments, PCWG studies, etc.)

5:00 *Reception – Damon Room*