

CESM Polar Climate Working Group Meeting
28 February – 1 March 2011
National Center for Atmospheric Research – Boulder, Colorado

MONDAY, 28 February – Damon Room

- 8:30 *Coffee*
- 9:00 Bill Large – Welcome
- 9:05 [Co-chairs](#) – PCWG Update and Meeting Overview
- 9:20 [Gijs de Boer](#) – Characterizing the Present-day Arctic Atmosphere in CCSM4
- 9:45 [Alexandra Jahn](#) – Late 20th Century Simulation of Arctic Sea-ice and Ocean Properties in CCSM4
- 10:10 [Steve Vavrus](#) – 21st Century Arctic Climate Change in CCSM4
- 10:35 *Break*
- 11:00 [Jennifer Kay](#) – Interannual to Multidecadal Arctic Sea Ice Extent Trends in a Warming World
- 11:25 [Matthew Long](#) – Impacts of Shifting Seasonality on Arctic Ocean Carbon and Nutrient Cycles
- 11:50 [Corinne Hartin](#) – CFCs in the South Pacific in CCSM4
- 12:15 Discussion
- 12:30 *Lunch*
- 13:30 [Laura Landrum](#) – Antarctic Sea Ice Variability in CCSM4 Preindustrial Control
- 13:55 [Dave Schneider](#) – Late 20th Century Antarctic Climate Change in CCSM4
- 14:20 [Justin Wettstein](#) – Internal Variability in Simulated 21st Century Arctic Sea Ice Evolutions: Climate Forcing and Response
- 14:45 *Break*
- 15:15 Beth Wingate – Arctic Vortices
- 15:40 [Scott Elliot](#) – Gases in Ice
- 16:05 [Wieslaw Maslowski](#) / Matthew Higgins – Regional Arctic Climate Model (RACM): Overview and Selected Results
- 16:30 [Curt Covey](#) – Climate Uncertainty Quantification Project
- 16:55 Discussion
- 17:30 *Reception – Damon Room*

TUESDAY, 1 March – Damon Room

8:30 *Coffee*

9:00 [Dave Bailey](#) – Sea Ice in CESM / CAM5 Simulations

9:25 [Francis Otieno](#) – Inception of the Laurentide Ice Sheet. The North Pacific Ocean Connection

9:50 [Ute Herzfeld](#) – Spatial Characterization of Sea Ice and Relevance of Spatial Roughness for Energy Exchange and Melting

10:15 *Break*

10:45 [Christopher Polashenski](#) – Mechanisms of Melt Pond Control on Arctic Sea Ice

11:10 [Elizabeth Hunke](#) – Melt Ponds in CICE

11:25 [Adrian Turner](#) – Salinity Modeling in CICE

11:50 [Nicole Jeffrey](#) – Salinity Modeling in CICE from a Biogeochemistry Perspective

12:15 *Lunch*

13:15 [Dave Lawrence](#) – High Latitude Land Model Developments

13:40 [Markus Jochum](#) – Interior Mixing CPT Update

13:50 [Marika Holland](#) – Sea Ice Heterogeneity CPT Update

14:00 Discussion: CSL Request Information, Future Model Development Needs, etc.

15:00 *Adjourn*