# CCSM Polar Climate Working Group Meeting
## 12-13 March 2007
## Main Seminar Room, NCAR Mesa Lab

## AGENDA

**Monday, 12 March**:

8:30 – 9:00 *Coffee*

9:00 – Welcome

Land / Ice Sheet

9:10 – 9:50 Miren Vizcaino – "Long-Term Interactions between Ice Sheets and Climate under Anthropogenic Greenhouse Forcing – Simulations with Two Complex Earth System Models"

9:50 – 10:15 Bill Lipscomb – "A Dynamic Greenland Ice Sheet in CCSM"

10:15 – 10:45 *Break*

10:45 – 11:10 Dave Lawrence – "Simulating Terrestrial High-Latitude Climate Change Feedbacks"

11:10 – 11:40 George Durner – "Applications of CCSM3 Models for Predicting the 21st Century Distribution of Ice-Dependent Marine Mammals: An Example for Polar Bears"

11:40 – 12:00 Discussion

12:00 – 1:30 *Lunch*

Atmosphere/Ocean

1:30 – 1:55 Steve Vavrus – "The Effect of Cloud Biases on Arctic Climate Sensitivity in CCSM3"

1:55 – 2:20 Joel Finnis – "Influence of Arctic Sea Ice Reductions on Extratropical Cyclone Activity"

2:20 – 2:45 Bob Tomas – "The Transient Atmospheric Response to SST and Ice Anomalies"

2:45 – 3:15 *Break*

3:15 – 3:40 Clara Deser – “Atmospheric Circulation Response to Projected Arctic Sea Ice Concentrations in the late 21st century”

3:40 – 4:05 Ed Andreas – “The Puzzle of Modeling the Surface Sensible Heat Flux over Snow-Covered Sea Ice”

4:05 – 4:30 Gokhan Danabasoglu – “Decadal Variability of the Meridional Overturning Circulation in CCSM3”

4:30 – 5:00 Discussion

## TUESDAY, 13 March

8:30 – 9:00 *Coffee*

### CCSM Model Development

9:00 – 9:20 Overview of CCSM4 and Development Timelines

9:20 – 9:40 The CCSM3.5 Model

9:40 – 10:00 Dave Bailey – “Transition to CICE4.0”

10:00 – 10:15 John Dennis – “Space-Filling Curves in CICE4.0”

10:15 – 10:45 *Break*

10:45 – 11:15 Prospectus for Short Term Integrations

11:15 – 11:30 Status of CCSM4 Sea Ice Developments (DE SW; ponds)

11:30 – 12:00 Discussion of CCSM4.0 Developments (including snow, SW, ponds, others)

12:00 – 1:30 *Lunch*

1:30 – 3:00 Discussion of CCSM4.0 Developments

3:00 Adjourn