

**CESM Polar Climate Working Group Meeting**  
**15 – 17 February 2012**  
**National Center for Atmospheric Research –Mesa Lab**  
**Boulder, Colorado**

**WEDNESDAY, 15 February – Joint Sessions – Main Seminar Room**

**Joint Session: PCWG/LIWG/PaleoClimateWG Contributed Science Talks**

- 1:10 [Clara Deser](#) – The role of ocean coupling in the atmospheric response to Arctic sea ice loss
- 1:30 [Julienne Stroeve](#) – Analysis of sea ice CMIP5 simulations
- 1:50 [Ed Blanchard](#) – Atmosphere - sea ice interactions in the Arctic: Non stationarity and implications for predictability
- 2:10 Esther Brady – Climate sensitivity from paleoclimate simulations
- 2:30 [Feng He](#) – The role of North Atlantic Ocean dynamics in simulating glacial inception: a study with CCSM4
- 3:20 [Markus Jochum](#) – True to Milankovitch: Glacial inception in CCSM
- 4:00 [Stephen Price](#) – Community Ice Sheet Model: development and applications
- 4:20 [Tad Pfeffer](#) – Model projection strategies for glaciers and ice caps and complete assessment of sea level rise

**THURSDAY, 16 February – Joint Sessions – Main Seminar Room**

**Joint Session: CESM Science, Computing, and Data Updates**

- 9:00 [Marika Holland](#) – CESM update
- 9:20 [Mariana Vertenstein](#) – CESM software engineering update
- 9:40 [Dave Hart](#) – Yellowstone overview
- 10:00 [Kevin Raeder/Jeff Anderson](#) – Data Assimilation Research Testbed (DART) capabilities and opportunities
- 10:20 [Dave Schneider](#) – Climate Data Guide for climate analyses and model evaluation (<http://climatedataguide.ucar.edu/>)

**Joint Session: Working Group Updates**

- 11:10 [Bette Otto-Bliesner](#) – Paleoclimate working group update
- 11:20 [Jen Kay](#) – Polar climate working group update
- 11:40 [William Lipscomb / Jesse Johnson](#) – Land ice working group update
- 12:00 [Dave Lawrence](#) – Land working group update, Climate impacts of Arctic shrubs

# *Polar Climate WG Sessions*

## **THURSDAY, 16 February**

- 2:00 [Elizabeth Hunke](#) – CICE update
- 2:20 [Dave Bailey](#) – CESM-CAM5 simulations in the polar regions
- 2:40 [Meibing Jin](#) – Parameterization of sub-grid scale ocean mixing by brine rejection in CESM
- 3:30 [Gijs de Boer](#) – A SHEBA testbed for evaluating the simulation of high-latitude atmospheric and cryospheric properties
- 3:50 [Neil Barton](#) – Arctic Synoptic Regimes: Comparing domain wide Arctic cloud observations with CAM4 and CAM5 during similar dynamics
- 4:10 [Justin Wettstein](#) – Internal atmospheric variability and 21st century sea ice loss
- 4:30 [Wieslaw Maslowski](#) – Evaluation of Arctic climate simulations from CCSM4, CMIP5 and RACM
- 4:50 [Ute Herzfeld](#) – Complexity in sea-ice deformation and morphogenesis --- observations, analysis and implications for modeling

## **FRIDAY, 17 February**

- 9:00 [Clara Deal](#) - Modeling cycling of dimethylated sulfur compounds in the Arctic sea ice environment
- 9:20 [Matt Higgins](#) - Arctic phenological changes in CLM
- 9:40 [Laura Landrum](#) - CESM1 summer ice-free Arctic.