



# Polar Climate Working Group

Co-chairs: Marika Holland (NCAR; [mholland@ucar.edu](mailto:mholland@ucar.edu)),  
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PCWG Session, June 2010  
Tues, 29 June, 8:30 – 12:00

# Agenda

8:30 Co-Chairs – Announcements and Updates

8:40 Marika Holland (NCAR) – Radiative forcing of ponds and aerosols in CCSM4

8:50 David Bailey (NCAR) – The low resolution CCSM4 and other updates

9:10 Jennifer Kay (NCAR) – Arctic Climate Feedbacks in Coupled Models using CAM4/CAM5

9:30 Steve Vavrus (U. WI – Madison) – 21<sup>st</sup> century polar response in CCSM4

9:50 Alexandra Jahn (NCAR) – Arctic freshwater budgets in the CCSM

10:10 Discussion

10:30-11:00 Break

11:00 Elizabeth Hunke (LANL) - Sea ice thickness sensitivities to icebergs and more

11:20 Adrian Turner (LANL) – Modeling microphysics and salinity evolution of sea ice

11:40 Daniela Flocco (UCL) – Incorporation of a physically-based melt pond scheme into the sea ice component of a climate model

12:00 adjourn

# Poster Session

- Tuesday, June 29, 2010
- Great Divide Lodge - Bighorn Room
- 1:30: Daniela Flocco: Incorporation of a Physically-based Melt Pond Scheme into CICE
- 1:45pm: Laura Landrum: CCSM4 Antarctic Sea Ice Advance and Retreat: Preliminary results From Daily CCSM4 Output
- 2:00 pm: Nicole Jeffery: Transporting Chemical Tracers in Sea Ice: The Salinity Challenge

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