

CESM Atmosphere Model Working Group Session
Tuesday, 29 June 2010
Great Divide Lodge – Lark Room – Breckenridge, Colorado

Webcast Instructions and Information: <http://www.cesm.ucar.edu/events/webcasts/>

8:30 a.m. Rich Neale – Introduction

CAM4 / CCSM4

8:35 a.m. Rich Neale – CAM4 / CCSM4 Configuration and Simulations

CAM5 / CESM1

9:15 a.m. - (15 minutes each)

- Phil Rasch – CAM5 Configuration
- Cecile Hannay – CAM5 Simulations
- Rich Neale – CESM1- CAM5 Coupled Simulations
- Andrew Gettelman – Climate Sensitivity in CCSM4 / CESM1-CAM5

10:00 a.m. Minghua Zhang – CAM Strategic Plan

10:10 a.m. Minghua Zhang – Discussion

10:30 a.m. *Break*

SHORT CONTRIBUTIONS (5 minutes each – strictly enforced)

11:00 a.m. Art Mirin – Progress on Advanced Dynamical Cores for CAM

11:05 a.m. Kate Evans – Progress in the Development of a High-Resolution Spectral and Spectral Element Atmospheric Capability in the CCSM4

11:10 a.m. Sungsu Park – A CPT for Improving the Representation of Stratocumulus to Cumulus Transitions in the Community Atmosphere Model

11:15 a.m. Andrew Gettelman – A CPT for Cloud Parameterization and Aerosol Indirect Effects

11:20 a.m. Peter Caldwell – Using a Statistical Representative of Subgrid Cloudiness to Improve the Community Atmosphere Model

11:25 a.m. Joe Tribbia – A Neural Network Approach to Parameterization

11:30 a.m. Donald Lucas – CAM Uncertainty Quantification

11:35 a.m. Phil Rasch – Porting and Evaluating the CAM5 Physics Suite into Weather Research and Forecasting Model

11:40 a.m. Julio Bacmeister – High Resolution CAM5 Simulations With and Without Parameterized Deep Convection

11:45 a.m. Tao Zhang – An Evaluation of ENSO Asymmetry in the Community Climate System Models: A View from the Subsurface

11:50 a.m. Jen Kay – The Arctic Climate Response to 2xCO₂ and Present Day Aerosol Forcing in CAM4 and CAM5 Slab Ocean Model Experiment

11:55 a.m. Brian Medeiros – Climate Feedbacks in Aqua-planet CAM4 and CAM5

12:00 p.m. Adjourn