

**CESM Biogeochemistry Working Group Session**  
**Wednesday, 30 June 2010**  
**Great Divide Lodge – Lark Room – Breckenridge, Colorado**

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

- 8:30 a.m. Keith Lindsay – NCAR  
Status of BGC in CESM1
- 8:50 a.m. Keith Moore – University of California, Irvine  
Ocean BGC in CESM1
- 9:05 a.m. Peter Thornton – ORNL  
Summary of Land BGC Results from CCSM4
- 9:20 a.m. Discussion of CMIP5 BGC Simulations
- 9:30 a.m. Fortunat Joos – University of Bern  
Projected 21<sup>st</sup> Century Decrease in Marine Productivity: A Multi-model Analysis
- 9:45 a.m. Dave Erickson – ORNL  
The Impact of Monthly Anthropogenic CO<sub>2</sub> Fluxes on Atmospheric CO<sub>2</sub> in CAM4.1
- 9:55 a.m. Discussion
- 10:00 a.m. *Break*
- 10:30 a.m. Natalie Mahowald – Cornell University  
Observed 20<sup>th</sup> Century Desert Dust Variability: Impact on Climate and Biogeochemistry
- 10:40 a.m. Mingjie Shi – University of Texas at Austin  
Studies on Biogeochemistry Model Spin-up in CLM-CN
- 10:50 a.m. Margaret Torn – LBNL  
Soil Carbon Modeling
- 11:00 a.m. Dave Lawrence – NCAR  
Potential Improvements in Soil Carbon Modeling in CLM
- 11:10 a.m. Peter Thornton – ORNL  
Improved Soil Organic Matter Model for CLM: Making the Most of Recent  
Observational and Experimental Results
- 11:20 a.m. Bill Riley – LBNL  
Methane Emissions in CLM
- 11:30 a.m. Lei Meng – Cornell University  
Tropical Methane Emissions
- 11:40 a.m. Jeffrey Dukes – Purdue  
Introduction to INTERFACE: Integrated Network for Terrestrial Ecosystem Research on  
Feedbacks to the Atmosphere and Climate: Linking Experimentalists, Ecosystem, and  
Earth System Modelers (NSF RCN Project)”
- 11:50 a.m. Discussion
- 12:00 p.m. Adjourn