

**CESM Biogeochemistry Working Group Session**  
**Wednesday, 22 June 2011**  
**The Village – Ten Mile Room – Breckenridge, Colorado**

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

- 8:30 a.m. Keith Lindsay – Status of BGC in CESM1
- 8:45 a.m. Gordon Bonan – Multi-level canopy radiation
- 9:00 a.m. Rosie Fisher – Ecosystem demographics in CLM
- 9:15 a.m. Charlie Koven – Development of a vertically-resolved soil C and N model in CLM4
- 9:30 a.m. Cindy Nevison – Modeling nitrogen leaching and river N export in the CLM-CN
- 9:45 a.m. Jianyang Xia – A new method for estimating steady state conditions in carbon and nitrogen coupled ecosystem models
- 10:00 a.m. Keith Moore – Ocean BGC in x3 resolution ocean
- 10:15 a.m. Matt Long – 20<sup>th</sup> Century simulations of air-sea CO<sub>2</sub> fluxes in CESM1
- 10:30 a.m. Break
- 11:00 a.m. Philip Cameron-Smith – Earth system model simulations of dimethyl sulfide and methane
- 11:15 a.m. Peter Thornton – New observational constraints on tropical forest biogeochemistry
- 11:25 a.m. Peter Lawrence – Biogeophysical and biogeochemical impacts of 20<sup>th</sup> Century transient land cover change
- 11:35 a.m. Steve Edburg – Historical impacts of bark beetles on carbon cycling in the Western US
- 11:45 a.m. Eungul Lee and Ben Felzer – Effects of CO<sub>2</sub> and nitrogen limitation on canopy transpiration and runoff in CLM-CN
- 11:55 a.m. Discussion
- 12:00 p.m. Adjourn