

CCSM Joint Land Model Working Group and Biogeochemistry Working Group Meetings

20 - 22 February 2008

Damon Room, NCAR Mesa Lab

Webcast Instructions: To join the meeting via Webcast, go to www.ccsm.ucar.edu/vnc anytime during the meeting. The password is irac96%#

Web browser requirements: To view the webcast, users must use either Firefox or Netscape, or Internet Explorer with Java installed.

Telephone Conferencing Instructions:

Within the U. S., dial this access number: 1-800-516-9896

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Participant Code: Enter this code - 373971 - at the prompt, followed by #:

Wednesday, 20 February, Land Model Working Group

CLM4

8:30 *Continental breakfast*

9:00 Dave Lawrence (NCAR) Welcome and Introduction

Hydrology

09:10 Gopi Goteti (UC Irvine) Catchment hydrology

09:25 Keith Oleson (NCAR) Soil moisture variability

09:45 Xubin Zeng (U. Arizona) Hydrology work at U. Arizona

10:10 Discussion

10:30 *Break*

Snow

11:10 Liang Yang (U. Texas, Austin) SCF, snow assimilation

11:30 Sean Swenson (NCAR) Snow patches

11:50 Dave Lawrence (NCAR) Community Snow project

12:10 Discussion

12:30 *Lunch*

Other modeling development activities and applications

13:30 Mariana Vertenstein (NCAR) CCSM/CLM software engineering

13:45 Dave Gochis (NCAR) Fine mesh, high resolution experiments, discussion

14:15 Ian Baker (CSU) Soils, roots, water stress in Amazon

14:30 Ren Diandong (U. Oklahoma) Land ice

14:45 Dave Lawrence (NCAR) Permafrost

15:00 *Break*

15:30 Jiangfeng Wei (COLA) Coupling CLM with other models

CLM4 Update

16:00 Liang Yang (U. Texas, Austin) Robust validation

16:15 Dave Lawrence (NCAR) CLM4 progress

16:30 Discussion

17:00 Adjourn

Thursday, 21 February, Joint Land and Biogeochemistry Working Group

8:30 *Continental breakfast*

Carbon Cycle – DGVM

09:00 Sam Levis (NCAR) DGVM-CN update, shrubs
09:15 Xubin Zeng (U. Arizona) DGVM shrubs
09:30 Paul Moorcroft (Harvard) ED model
10:00 Discussion
10:30 *Break*

Land use / scenarios

11:00 Peter Lawrence (CIRES/CU)
11:15 Gordon Bonan (NCAR)
11:30 Abby Swann (UC Berkeley)
11:45 Johann Feddema (U. Kansas) AR5 land cover change scenarios
12:00 Discussion
12:30 *Lunch*

Towards Earth System Modeling

14:00 Beth Holland (NCAR) Nitrogen cycles
14:20 Atul Jain (U. Illinois, Urbana) Land Suitability for cultivation
14:40 Kathy Hibbard (NCAR) Modeling ecosystems across scales, MIP
15:00 *Break*

Earth System Modeling (5-10 year plan)

15:30 Dave Lawrence, Gordon Bonan, Dave Gochis – discussion leaders
17:00 *Adjourn*

Friday, 22 February, Biogeochemistry Working Group

08:30 *Continental breakfast*

CLAMP – Review of metrics, diagnostics, and science

09:00 Forrest Hoffman CLAMP simulations and diagnostics
09:15 Peter Thornton CLAMP science, model development
09:30 Peter Thornton CLM-CN update, CLAMP analysis
09:45 Discussion Model spinup, CLAMPII
10:30 *Break*

BGC

11:00 Keith Lindsay (NCAR) CCSM3.5 carbon cycle update
11:30 Natalie Mahowald (Cornell)
11:45 Silvia Kloster (Cornell) Ocean BGC/climate interactions through DMS
12:00 Keith Moore (UC, Irvine) Soluble iron inputs and ocean BGC in CCSM3
12:15 Scott Doney (WHOI)
12:30 Britt Stephens (NCAR) HIPPO
12:45 *Lunch*

13:30 Discussion BGC needs for CCSM
14:30 *Adjourn*