

Report of the CCSM Paleoclimate Working Group Meeting
21 June 2005
The Village at Breckenridge

Summaries of PaleoWG research

- Discussed the important role of paleo-CCSM simulations in contributing to PMIP-2 and the upcoming IPCC report
- Discussed the long CSM 1.4/CCSM2 Cretaceous simulations, including mean climate change and climate variability
- Discussed the 3000-year fully coupled long equilibrated Permian CCSM3 simulation

New collaborative initiatives of the PaleoWG and the upcoming CSL

Goal:

- We defined the objective of engaging a broad spectrum of CCSM community in paleo simulations of great scientific interest

Initiatives:

- Initiate long, transient synchronously coupled simulations to understand major climate transitions, abrupt climate change, and climate variability during the late Quaternary; perhaps, some experiments could be coordinated with abrupt change group
- Perform long Cretaceous simulations in the new CCSM3 and perform further model-model (CCSM3 vs. CCSM1.4) and model-data comparison
- Initiate cross-time comparisons of simplified boundary conditions in the CCSM3 to understand the deep paleoclimate changes

Discussed the role of PaleoWG and the needs of the community

- We recognized that there is a primary need for making existing (and planned CCSM) simulations available to the community as soon as possible. B. Otto-Bliesner's group at NCAR has tested a Website that makes it easier and faster for the community to access the paleo CCSM data.
- We discussed the need to improve mechanisms for facilitating two-way interaction between PaleoWG and other working groups, and PaleoWG and the community.
- We recommend the PaleoWG think about future potential applications of the paleoclimate modeling results to present climate variability and future climate changes

Attendees:

Caspar Ammann, NCAR
David Anderson, NOAA
Mark Boslough, Sandia National Lab
James Bossert, Lawrence Livermore
James Bradbury, U of Massachusetts
Esther Brady, NCAR

Jennifer Brauch, U. of Victoria
Gabriel Clauzet, U. of Sao Paulo
Noah Diffenbaugh, Purdue
Mark Flanner, U. of CA-Irvine
Jacqueline Fluckiger, CU
Mat Huber, Purdue

Charles Jackson, U. of Texas-Austin
Rob Jacob, Argonne National Lab
Jeff Kiehl, NCAR
Daniel Kirk-Davidoff, U of Maryland
Reto Knutti, NCAR
Shih-Yu Lee, U. of Michigan
Naomi Levine, WHOI
Zhengyu Liu, U. of Wisconsin-Madison
Salil Mahajan, Texas A&M U.
Natalie Mahowald, NCAR
Carrie Morrill, NCAR
Raimund Muscheler, NCAR
Keiichi Nishizawa, CRIEPI
Bob Oglesby, NASA

Francis Otiemo, Iowa State U.
Bette Otto-Bliesner, NCAR
Dick Peltier, U. of Toronto
Clinton Rowe, U. of Nebraska
Cindy Shellito, U. of Northern Colorado
Christine Shields, NCAR
Eric Sundquist, U.S. Geological Survey
Michael Tobis, U. of Chicago
Bob Tomas, NCAR
Daisuke Tsumune, CRIEPI
Ilana Wainer, U. of Sao Paulo
Warren Washington, NCAR
Jeff Yin, NCAR
Yoshikatsu Yoshida, NCAR