

NOTES:

PMIP2 Workshop - September 14-19, 2008
Aspen Lodge, Estes Park, CO

Monday, 15 September 2008

Update on results/subprojects from PMIP2 LGM and 6ka simulations and new datasets

7:00-9:00 am	Breakfast - Dining Lodge	
9:00	Welcome & Logistics – Longs Peak Room	Otto-Bliesner
	Session Chair: Joussaume	
9:15	PMIP: Introduction and Themes	Joussaume
9:45	PMIP 6 ka results: overview	Kageyama
10:15	Break - Lobby	
10:45	PMIP LGM results: overview	Otto-Bliesner
11:15	Data sets for evaluation: overview	Harrison
11:45	Data-model comparison methods: overview	Bartlein
12:15 pm	Lunch – Dining Lodge	
	Session Chair: Thompson	
1:30	Short subproject talks (15 min each)	
	Monsoon and teleconnections during the Holocene	Marzin
	Holocene Amazonia, a model-data perspective	Turcq
	Mechanism of climate change over South America during the LGM in coupled model simulations	Khodri
	The Last Glacial Maximum in the Southern Hemisphere in PMIP2 simulations	Rojas
	The modern and glacial AMOC in PMIP2: responses and mechanisms	Weber
	Mid-Holocene feedback study with the MPI-M atmosphere-ocean-vegetation model	Otto
3:00	Break - Lobby	
3:30	Observations/Reflections on the day	
4:00	WGCM white paper draft from PMIP	Joussaume, Otto-Bliesner
5:00	Poster session – Focus on Subprojects – Meeker Room	
6:30	Dinner – Dining Lodge	
8:00-10:00	PMIP2 DB and web site – Current status and future developments	Peterschmitt, Morrill

NOTES:

Tuesday, 16 September 2008

Where we are going – Themes 1 and 4

7:00-9:00 am Breakfast - Dining Lodge

Session Chair: Abe-Ouchi

9:00	Evaluation of Earth System Models at 6ka and 21ka: Intro to Theme 1 – Models and Data Sets	Abe-Ouchi, Harrison
9:30	From equilibrium snapshot PMIP experiments to transient simulations	Ramstein
9:50	Understanding methane lifetime at the LGM	Lamarque
10:15	Break - Lobby	
10:45	Examples of proxy prediction (15 min each)	
	Variations in glacial climate simulations	Legrande
	The circulation of the deep ocean during the Last Glacial Maximum: a model-proxy data comparison	Paul
	Oceanic circulation at the LGM: Lessons from multi- isotopes simulations	Roche
	ENSO activity during the Holocene: Quantitative SST reconstructions from Peruvian mollusk shells	Carre
11:45	Reflections/Observations on Theme 1	
12:15 pm	Lunch – Dining Lodge	
	Session Chair: Harrison	
1:30	Short new dataset talks (15 min each)	
	Quantitative Woody-Cover and LAI Reconstructions for the Late Quaternary	Williams
	Long-term changes in global biomass burning: a new charcoal-based paleofire dataset	Marlon
	Improved late-Quaternary vegetation databases for the northern extra-tropics	Edwards
	On the use of plant macrofossils in reconstructing Late Quaternary biomes and climates	Thompson
2:30	Uncertainties: Characterization & Understanding: Intro to Theme 4	Harrison, Abe-Ouchi
3:00	Break - Lobby	
3:30	Uncertainty (15 minutes each)	
	Statistical climate reconstruction using a GCM	Rougier
	The Mid-Holocene: does it matter?	Hargreaves
	A Comparison of climate feedback strength between CO ₂ Doubling and LGM Experiments	Yoshimori

4:15	Prospects for paleo-climate reconstruction; combining models and data to better estimate climate	Annan
4:35	Reflections/Observations on Theme 4	
5:30	Barbecue – Trails End - Outdoor Tent Area	
7:30-9:30	Poster session (Themes 1 and 3) – Meeker Room	

Wednesday, 17 September 2008

Where we are going - Theme 2

7:00-9:00 am Breakfast - Dining Lodge

Session Chair: Ramstein

9:00	Interglacials and Warm Periods: Intro to Theme 2	TBD
9:30	Pliocene: From equilibrium snapshot PMIP experiments to transient simulations	Haywood
10:00	Pliocene CO ₂ sensitivity: AOGCM and AGCM simulations of the mid-Pliocene with HadCM3	Lunt
10:15	Differences in the Indonesian Seaway in a coupled climate model and their relevance to Pliocene climate and El Nino	Fox-Kemper
10:30	Break - Lobby	
11:00	Last Interglacial and Holocene in the INTERDYNAMIK program	Brovkin
11:30	PHASEMAP: A spatial time series approach to proxy data-paleoclimate model comparisons	Prell
12:00 pm	Lunch - Dining Lodge	
	Session Chair: Bartlein	
1:30	Late Holocene: Overview	Ammann
2:00	Reflections/Observations on Theme 2	
2:30	Determination of Breakout Groups: by workshop participants*	
3:00	Break - Lobby	
3:00	Meeting of Breakout Groups	
5:00	Poster session (Themes 2 and 3) - Meeker Room	
6:30	Dinner - Dining Lodge	

***possible topics: benchmarking, Earth system models, experimental designs, etc. to be reported on Friday.**

NOTES:

Thursday, 18 September 2008

Where we are going – Theme 3

7:00-9:00 am Breakfast – Dining Lodge

9:00	Session Chair: Session Chair: Valdes Abrupt climate changes: Intro to Theme 3	Valdes
9:30	Ice sheets and meltwater (20 minutes each) MOCA: Meltwater routing and Ocean- Cryosphere-Atmosphere response A new reconstruction of growth and decay of the Late Weichselian Eurasian ice sheet Deglacial freshwater routing and climate response	Tarasoff Gyllencreutz Peltier
10:30	Break - Lobby	
11:00	Transient simulations (20 min each) First HadCM3 simulations over the complete last glacial cycle Transient Simulation of Climate Evolution over the Last 21,000 years (TraCE-21,000): First Results	Singarayer Liu
11:40	Reflections/Observations on Theme 3	
12:15 pm	Lunch – Dining Lodge	
2:00	Afternoon for excursions and activities – please sign up in the Main Lodge Lobby	
6:30	Dinner – Dining Lodge	

NOTES:

Friday, 19 September 2008

PMIP's Future Plans

7:00-9:00 am Breakfast in Dining Room

Session Chair: Otto-Bliesner

9:00 Discussion of PMIP's future plans ("The PIPs")
Summary reports from theme leaders including proposed
experiments and datasets for future PMIP:

Theme 1: Harrison

Theme 2: Otto-Bliesner

Theme 3: Valdes

Theme 4: Abe-Ouchi

10:30 Break - Lobby

11:00 Revisit WGCM white paper draft from PMIP Jousaume

12:00 pm Lunch - Dining Lodge

1:30 Wrap-up: Timetable, Data portal, next meeting,
other meetings

3:00 Meeting adjourned