

Paleoclimate Working Group

CSL Production: Community Simulations

- PMIP3 Simulations
 - PlioMIP: Mid-Pliocene (3 million yrs ago): CESM (CAM5)-2 deg
- Joint with BGC WG
 - PCMIP: Coupled carbon-climate for past epochs: CESM-BGC-1 deg
6000 yrs BP (Mid-Holocene) and 21,000 yrs BP (LGM)
- Joint with LIWG
 - PMIP3 Last Interglacial Transient (130,000-110,000 yrs BP):
CESM(CAM5)-CISM-1 deg
 - Glacial Inception: CAM5,SOM-¼ deg; CAM5-CISM-1deg
- Cross WG Community Ensembles
 - Transient Last Millennium: Full and Single Forcings: CESM(CAM5)-
2deg + WACCM5-2deg

Paleoclimate Working Group CSL Development

- Isotope-enabling CESM:CAM5: CSL proposal
 - Water isotopes
 - PI and LGM controls + N. Atlantic and Southern Ocean meltwater perturbations on these controls: CESM(CAM5)-water isotopes-2 deg
 - Dependence on atmospheric resolution, CAM5-water isotopes-2 deg, 1 deg, ½ deg, ¼ deg
 - Carbon isotopes
 - Land and atmosphere spinups
 - Ocean implementation and spinup: BGC WG
 - PI and LGM controls: CESM(CAM5)-BGC-carbon isotopes-2 deg

Paleoclimate Working Group as a Community

- Breckenridge Workshop structure?
- Winter 2013 Paleo WG meeting? Joint? Bern?
- Community partnerships and opportunities
 - Other tracers? In other component models (CISM)?
 - Paleo configurations of new component models?
 - PaleoWG database?
- Other activities: data-model; graduate students
 - Summer schools? Topical?
 - Community simulations
 - Visualizations