



The PMIP 3 Database

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The Paleoclimate Modelling Intercomparison Project (PMIP) is a long standing initiative that has provided an efficient mechanism for coordinating paleoclimate modelling activities that provide valuable information on the mechanisms of climate change, the identification of key feedbacks operating in the climate system and, through model evaluation, the capability of climate models to reproduce climates different from today. The third phase of PMIP (aka PMIP 3) started in 2009 and three of its key periods have been selected as part of the tier1 and tier2 of the CMIP5 set of simulations: the Last Glacial Maximum, the mid-Holocene and the Last Millennium periods. PMIP3 will also focus on mid-Pliocene (PlioMIP project) and Last Interglacial periods, and on the impact of freshwater events in the North Atlantic (such as the 8.2ka event in the early Holocene).

We will present an up-to-date overview of PMIP 3, in terms of participation to the different PMIP 3 time slices and available experiments. We will also show how we use the CMIP5 data hosting and distribution technology and the PRODIGUER server at IPSL to handle the CMIP5-like simulations of "PMIP 3 but non-CMIP5" participants, and to handle the non-CMIP5 simulations.

References:

<http://pmip3.lsce.ipsl.fr/>

<http://forge.ipsl.jussieu.fr/prodiguer>