Supplement of

A new multivariable benchmark for Last Glacial Maximum climate simulations

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A new multi-variable benchmark for Last Glacial Maximum simulations: Supplementary Information

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This supplementary information contains maps of the multi-model mean climate (SI Figure 1) and its standard deviation (SI Figure 2) of the ensemble of simulations of the Last Glacial Maximum from the Palaeoclimate Modelling Intercomparison Project (PMIP), as well as maps of the original site based reconstructions from Bartlein et al. (2011) and Prentice et al. (2017).

SI Figure 1: The multi-model mean climate of the ensemble of models from the Palaeoclimate Modelling Intercomparison Project (PMIP). The individual plots show the simulated (a) moisture index (MI), (b) mean annual precipitation (MAP), (c) mean annual temperature (MAT), (d) mean temperature of the coldest month (MTCO), (e) mean temperature of the warmest month (MTWA) and growing degree days above a baseline of 5° C (GDD5).
SI Figure 2: The standard deviation of the multi-model mean climate of the ensemble of models from the Palaeoclimate Modelling Intercomparison Project (PMIP). The individual plots show the simulated (a) moisture index (MI), (b) mean annual precipitation (MAP), (c) mean annual temperature (MAT), (d) mean temperature of the coldest month (MTCO), (e) mean temperature of the warmest month (MTWA) and growing degree days above a baseline of 5°C (GDD5).

(a) MI
(b) MAP (mm)
(c) MAT (°C)
(d) MTCO (°C)
(e) MTWA (°C)
(f) GDD5 (°C)
SI Figure 3: Site-based reconstructions of climatic variables at the Last Glacial Maximum. The plots show reconstructions of (a) moisture index (MI), (b) mean annual precipitation (MAP), (c) mean annual temperature (MAT), (d) mean temperature of the coldest month (MTCO), (e) mean temperature of the warmest month (MTWA), and (f) growing degree days above a baseline of 5°C (GDD5). The original reconstructions are from Bartlein et al. (2011) and Prentice et al. (2017).