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*Supplement of*

## **A new multivariable benchmark for Last Glacial Maximum climate simulations**

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

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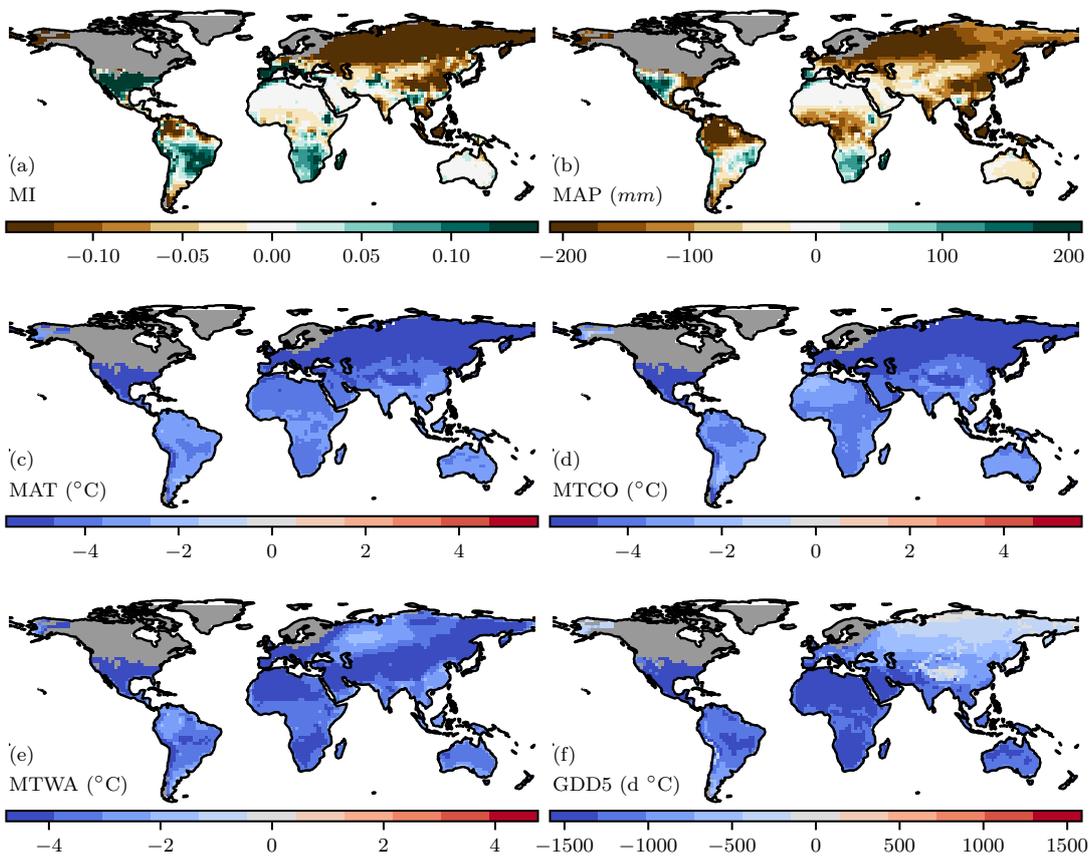
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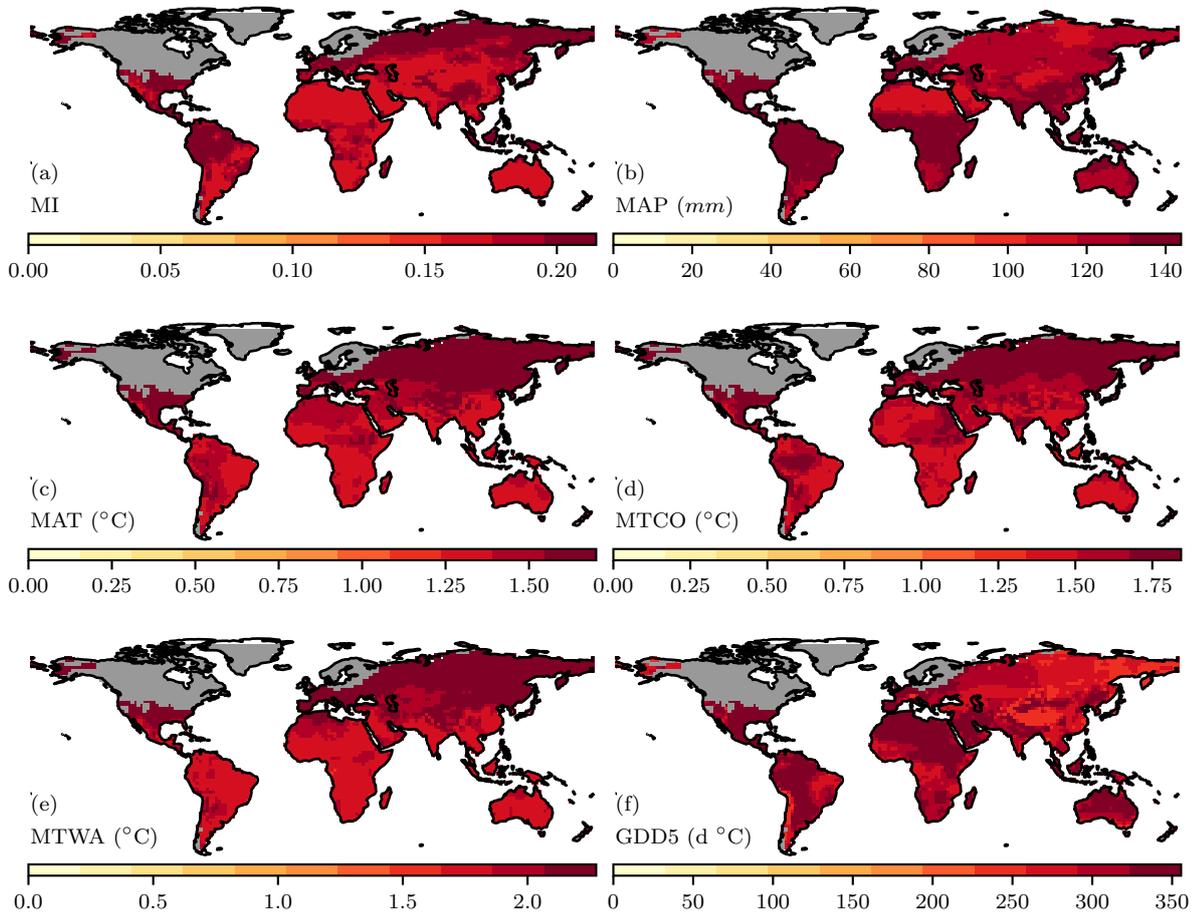
14 This supplementary information contains maps of the multi-model mean climate (SI Figure 1) and its  
15 standard deviation (SI Figure 2) of the ensemble of simulations of the Last Glacial Maximum from  
16 the Palaeoclimate Modelling Intercomparison Project (PMIP), as well as maps of the original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

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



26 SI Figure 2: The standard deviation of the multi-model mean climate of the ensemble of models from  
27 the Palaeoclimate Modelling Intercomparison Project (PMIP). The individual plots show the  
28 simulated (a) moisture index (MI), (b) mean annual precipitation (MAP), (c) mean annual  
29 temperature (MAT), (d) mean temperature of the coldest month (MTCO), (e) mean temperature of  
30 the warmest month (MTWA) and growing degree days above a baseline of 5° C (GDD5).  
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34 SI Figure 3: Site-based reconstructions of climatic variables at the Last Glacial Maximum. The plots  
35 show reconstructions of (a) moisture index (MI), (b) mean annual precipitation (MAP), (c) mean  
36 annual temperature (MAT), (d) mean temperature of the coldest month (MTCO), (e) mean  
37 temperature of the warmest month (MTWA), and (f) growing degree days above a baseline of 5°C  
38 (GDD5). The original reconstructions are from Bartlein et al. (2011) and Prentice et al. (2017).  
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