



## **European and Mediterranean rainfall at the Last Glacial Maximum: model-data comparisons**

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The atmospheric general circulation models used in the first phase of the Paleoclimate Modelling Intercomparison Project all showed a wet bias in their simulation of the Last Glacial Maximum rainfall over western Europe and the Mediterranean Basin. In this presentation, we will present a revised comparison between the results of the coupled ocean-atmosphere models of the second phase of PMIP and the new reconstructions from pollen data based on inverse vegetation modelling. Furthermore, the sensitivity of the rainfall simulated over this area to different boundary conditions (sea surface temperatures, sea ice cover, vegetation cover) will be analysed to better understand the mechanisms leading to increased aridity over this area in glacial times.