



Large scale atmospheric dynamics and extreme in precipitation and temperature over Iberia

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In this work, we link extreme events in precipitation and temperature over the Iberian Peninsula to large scale dynamics. Extreme events are identified from 50 years of daily observations of temperature and precipitation at some 60 stations over the Iberia peninsula. The large scale atmospheric variability is characterized in term of weather types, identified from the 500hPa height data in ERA40. Two simulations with the Arpege model, under control and scenario conditions allow us for determining changes in the frequency of extreme of those variables, through changes in the percentage of occurrence.