



Response of precipitation over the Iberian peninsula to NAO changes under climate change conditions

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Precipitation changes over the Iberian peninsula are investigated using the data of the World Climate Research Program, Coupled Model Intercomparison Project phase 3 (WCRP-CMIP3). The trends of precipitation corresponding to multi-models of the future scenarios A1B, A2 and B1 were compared with the trend of the 20C3M experiment. We will present results about the changes of relationships between precipitation and the North Atlantic Oscillation (NAO) and the correlation patterns between precipitation and Sea Level Pressure. A decrease in precipitation due to more positive phases in the NAO and an intensification of the Iberian precipitation response to the NAO changes under warmer climate were found.