



Climate of the Iberian Peninsula in the preindustrial period

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The Salvà-Sinobas project (2009-2011) is funded by the Spanish Ministry of Environment. It includes research groups from eight Spanish Universities. The main aim of the project is the characterization of preindustrial climate in Iberia with a specific focus on the period 1750-1850. This period offers several advantages. It will allow to evaluate the impact of the end of the Little Ice Age on the Iberian Peninsula and also to explore the influence of changes in external non anthropogenic forcings in a period with less influence on greenhouse gases concentrations. Another important point is that the early instrumental weather observations in Iberia began to be recorded during this period. The overlapping between those early measurements and proxy records obtained along the project will help with their calibration and the reduction of uncertainties.

The project leans, on one hand, on collecting new proxy evidence both from documentary (early instrumental series, logbooks, proxies of extreme hydrological and temperature events) and from dendrochronological sources (useful tree ring width series from earlier projects, new unexplored species and sites). Additionally the project contributes with the development of new high resolution simulations of the last millennium over Iberia using the MM5 model.

The quantity and quality of these data bases will allow to design proxy/proxy and proxy/model studies allowing the identification and better understanding of temperature and precipitation extreme events, circulation patterns and the role of teleconnections along the study period and the evaluation of the climate anomalies recorded during the Dalton minimum (1790-1830).

All the information and data bases elaborated by the members of the Salvà-Sinobas will be freely available at the end of the project from the website <http://www.salva-sinobas.uvigo.es>.