



## **Analysis of twenty-first century monthly temperature in Basque Country**

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This contribution deal on observed changes in mean regional climate, and particularly in temperature monthly behavior during twenty-first century, focusing in the Basque Country area at north part of Iberian Peninsula.

In this work we present some statistical data, tables, graphs and maps for maximum, minimum and mean monthly temperature in order to a better explanation of 21st century temperature behavior. We also include some comments for observed extreme seasons and months in the study area. Finally some conclusions are presented.

In this preliminary study we use four weather stations representing different areas of the Basque Country with different climatic characteristics. The classification of the mean temperature is determined by a frequency index, based on a simple criterion, in particular, in calculating percentiles with a distance of 20%. This leads to five classes (very cold, cold, normal, warm, very warm), plus two, when the value exceeds the minimum or maximum registered (extremely cold, extremely hot).