



## **Temperature monitoring and Forest Fires in Góis Council, Portugal**

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In our school the activities linked with sciences are developed in a partnership with other school subjects. Interdisciplinary projects are always valued from beginning to end of a project. It is common for teachers of different areas to work together in a Science project. Research of English written articles is very important not only for the development of our students' scientific literacy but also as a way of widening knowledge and a view on different perspectives of life instead of being limited to research of any articles in Portuguese language.

As in this area there is a strong occurrence of forest fires, we are going to study the influence of temperature and its occurrence. For this study we have selected six meteorological stations, distributed through the region and placed in different altitudes. Through the analysis of the temperatures we have verified the lack of data from some stations, so we have proceeded to the homogenisation of the series, using the correlation coefficient of a reference series. In a second stage we will analyse forest fires episodes in the region, with data collected from the Civil Protection and the Meteorological Institute from 1980 to 2010 and correlate this with the series of temperatures for the different areas selected for this study. This research allows an evaluation of the forest fire propagation in the region and recognise the most affected areas.