



## **An Overview of a regional meteorology warning system**

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The Basque meteorology Agency (Euskalmet) has among its responsibilities the weather warning issue, this information is the basis that the Basque Government Civil Protection authorities use to establish alerts in the territory and disseminate to the Basque population different recommendations. In the beginning, the weather warning system began like a simple system based on several meteorological thresholds, in the last years migrates towards a more sophisticated system based on traffic-lights colour concept extensively used in other meteorological services.

The weather warning system considers different phenomena capable of generate warnings. It is based on a combined thresholds criteria dependent of the particular severe phenomena and a specific territorial zoning defined for each case.

In this work we present the current operational weather warning system in the Basque meteorology Agency, describing the most significant aspects and the problems linked to its application from the meteorological point of view. Also, with the aim to put in perspective the system is presented a warning issued collection since its implementation and a comparative in relation to the issued with the previous system. Finally, some conclusions, drawn from the feedback of different system users during these working years, are presented.