



## **Flash-floods on Basque Country at the end of January 2009.**

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On final January 2009 a persistence precipitation episode produces a flash flood event in Basque Country. This situation affects north part of the Country and Bilbao area where some damages are produced.

In order to understand the evolution of this flash flood situation, synoptic characteristics, mesoscale situation and other local meteorological characteristics are analyzed including datasets coming from the Basque Country Automatic Weather Station Mesonetwork and other sources (MSG, Radar, etc) available during this episode.

In this singular case, persistent precipitations are produced over the north of the Basque Country, collecting around 80 millimetres precipitation in 24 hours in some locations. In order to characterize the synoptic environment during this event, different synoptic maps are analyzed; 500 hPa topography, 850 hPa topography, sea level pressure and other relevant parameters are considered.