## PROJECT DESCRIPTION

Title: Early Warning System based on meteorogical radar precipitation estimates

## Project description:

An Early Warning System for Flash Floods Forecast has been operationally implemented in the Catalan region. The Warning System is based on the precipitation estimates provided in real-time by the meteorological radar network of the Catalan Weather Service.

The issued warnings are based on the comparison between observed accumulated rainfall and reference rainfall thresholds. These reference rainfall thresholds are spatially distributed and a historical analysis of rainfall is needed in order to associate hazard and occurrence periods.

Then, the objective of the research is focused on the analysis of the current methodology and algorithms in order to advance and improve in the rainfall thresholds definition. Local rainfall and flowgage data will be used in the calibration and validation of the algorithms.

## **UPC RESEARCHER CONTACT**

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## OTHER INFORMATION

Funding: 900€/month

Duration: to be discussed

Facilities: see http://www.crahi.upc.edu/