



Online tool for severe weather real time monitoring and decision making support.

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In this work we present some aspects related with the preliminary implementation of an online tool for severe weather analysis, monitoring and surveillance in a real time basis. Such a system is useful for different kind of users including those involved in decision making process related with severe weather episodes.

This tool provides real-time information to restricted users in order to attend possible emergencies that may occur due to the severe weather conditions. The tool is organised into two different sections that provide access to different meteorological data.

The first section, dedicated to winter weather situations, presents real-time meteorology products of the Doppler weather radar, weather models, data retrieved from the automatic weather station network and some maps generated from this data. This section allows direct access to all the points in the network and presents an accurate overview of the situation in the entire territory, helping to adopt the proper decisions under a severe winter weather situation.

The second section in this tool is used in order to monitor the situation of the river levels during heavy rain episodes. Under these circumstances floods must be monitored in real-time in order to take actions for protecting people and goods. The application presents all the river basins and the associated weather stations that measure the river level. Numeric data is presented together with real-time graphics that show the water level compared to alarm levels.

This tool is a step further in real-time monitoring of severe weather episodes in the Basque Country, and it allows people working in weather surveillance and emergency management having an accurate overview of the situation over the entire territory.