

7.14 RESULTS OF THE MONITORING TASKS AND CO-CREATION ACTIVITIES OF THE PRECIPITATION PRODUCTS OF KAPILDUI WEATHER RADAR

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The Directorate of Emergencies and Meteorology has weather radar that its main objective is to monitor the evolution of the precipitation field and give information to other users (public, hydrological, traffic and emergency departments between others) for different meteorological applications. To achieve that purpose there are two lines of work that interact continuously; the study of the best product that describe the surface precipitation field and evaluate the quality of the current products in critical situations during a monitoring process in a severe episode. The critical situations are the most requested for our users, before-during-after, therefore quality and usefulness of the product is demanded to the regional meteorological service.

The methodology considers an evaluation of the user requirements with the current operational products in different meteorological conditions. The input data is the Kapildui weather radar and rain gauges of a dense network of automatic surface stations in addition other sources such as the information available from Jata weather radar are included. The results are presented in a table in which is easy to identify what we need and what we have, taking into account the different measurements of precipitation. Special attention is made in the integration of the rain gauges and the weather radar in a complex topography.

The conclusion will serve to improve the current products according to a co-creation activity in which users, meteorological service and evaluation of impacts are analyzed together.