

Objective Validation of human forecast: The Euskalmet approach.

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In a meteorological service, many human based forecast products are generated daily. In the Basque Meteorology Agency case, we are generating many products, including SMS information, coastal forecast, detailed forecast, official bulletins and other products twice a day. In this paper we present a system that we have developed as an approach to the objective validation of the human forecast.

The official forecast bulletin is probably the most important product and the base for many others. For its generation, forecaster must use the forecast and analysis program implemented. In this system, forecaster must introduce relevant meteorological information for different temporal and geographical zones, before introducing the forecast text in accordance with the Euskalmet style manual. Similar procedure is used to introduce analysis information in a semiautomatic way. All the information coming from the forecast and the analysis form and other control parameters are stored in a Data Base. This information is used to objectively validate some aspects of human forecast related with temperature, precipitation, wind, cloud cover and snow level among others.