



## **Towards an operational model at very high resolution at AEMET**

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The HARMONIE system is a collaborative effort of ALADIN and HIRLAM consortia. The new model is mainly based on the ALADIN model Non-Hydrostatic dynamics and the sophisticated physics of the Meteo-France research model Meso-NH. It is already used in operations at Meteo-France with a horizontal resolution of 2.5 km including data assimilation. The aim of the model is to improve local forecasts and specially the prediction of severe weather such as heavy precipitation, strong winds, extreme temperatures and fog. An experimental version of the model is run daily at AEMET with an horizontal resolution of 2.5 km over a small Mediterranean domain. The main features of the new model will be described and some preliminary results about its performance will be presented.