



## Climate Services at AEMET

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AEMET activities with regard to Climate Services are mainly focused on climate monitoring and generation of regionalized climate change scenarios. AEMET also provides all services related with observational and modelling data for different types of users.

With respect to climate monitoring, the operational activities of AEMET include the issue of a monthly bulletin describing the behaviour of climatic elements from the previous month, and the release of a hydrological cycle monitoring product (with information on precipitation, evapotranspiration, soil water status and reservoirs storage) produced with ten days periodicity. Drought is also being monitored through the Standardized Precipitation Index (SPI) for different periods of time, aimed at capturing the severity, intensity, duration and geographical extent of every drought episode.

Regarding climate change scenarios, AEMET is embarked on the periodical production of downscaled projections data based on a multiplicity of global models and downscaling algorithms, both statistical and dynamical, all of them based on the most recent information of IPCC global models. Special emphasis has been put on the evaluation of global climate models over the Euro-Atlantic region and on the estimation and communication of uncertainties. This periodical production of updated downscaled climate change projections is framed within the National Plan of Adaptation to Climate Change which encompasses all economical activities and sectors sensitive to climate conditions.