Air quality forecast system that produces an open, operational and detailed forecast at 24 and 48 hours for Europe (12x12 km) and the Iberian Peninsula (4x4 km) using a set of models (emissions, meteorological and atmospheric chemistry) coupled and executed in the MareNostrum supercomputer. The forecast is aimed at air pollution managers and citizens interested in the quality of the air we breathe. CALIOPE provides quantitative and qualitative information about the main pollutants regulated by the European Directive 2008/50/EC and the World Health Organization (ozone, nitrogen dioxide, carbon monoxide, sulphur dioxide, particulate matter and benzene). Results are evaluated using a system in near real time, which uses data obtained from air quality monitoring stations. Forecasts can be accessed through the website and smartphone applications.
Air quality forecast system for Mexico City that provides operational forecasts at high spatial (1x1 km) and temporal (1 hour) resolution for air quality assessment and planning relevant to the Secretary of the Environment of Mexico City (SEDEMA).

Find more information on air quality services in the Earth System Services website

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