

Atmospheric Composition Services

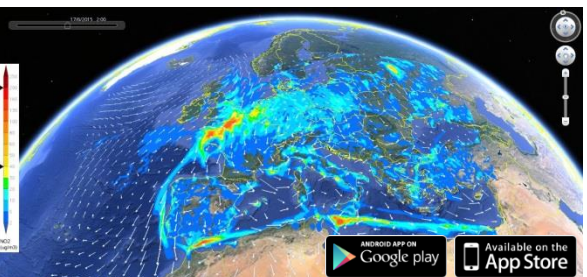
“In all zones and agglomerations [...] a combination of measurements and modelling techniques may be used to assess the ambient air quality”
Directive 2008/50/EC

Products

1. Air quality forecast

Air quality modelling from global to regional scales provides a comprehensive description of air quality problems, relating emission sources and atmospheric conditions.

CALIOPE models the atmospheric conditions to provide air quality information for short-terms action plans <http://www.bsc.es/caliope>



2. Air quality impact assessment

Detailed diagnosis of areas with pollution problems to estimate the health impacts and economic benefits of management strategies directed to reduce atmospheric emissions.

Applications

- **Health**
 - Early-warning system for people with respiratory problems or those looking for a cleaner itinerary
- **Urban planning**
 - Integrated pollution and control of heavy industry
 - Road transport management measures
- **Infrastructure**
 - Infrastructure corrosion by marine aerosol



Our projects on atmospheric composition have received funding from:

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