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High resolution meteorology
- applications and services

A popular web interface to access local meteorological data

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The Regional Meteorological Service of Lombardia, Italy, manages a high resolution meteorological network which consists of about three hundred stations. Therefore, a large amount of data is available both as raw observations of the atmospheric state at the surface and as analysed fields obtained through postprocessing of observations and of model outputs.

Meteorological information is of interest to a wide range of users, spanning from amateur meteorologists to specialized civil protection operators. It is then necessary to set up a simple and efficient tool to meet all the users requirements. A suitable solution, reported in this work, is based on the well known Google® Maps geographical interface and the related Google® Maps API and Google® Chart API.

At present, several types of meteorological products are available through this interface (http://www.arpalombardia.it/meteo): near real-time local weather data, weather stations metadata, interpolated maps of meteorological fields, observed and forecast indexes.