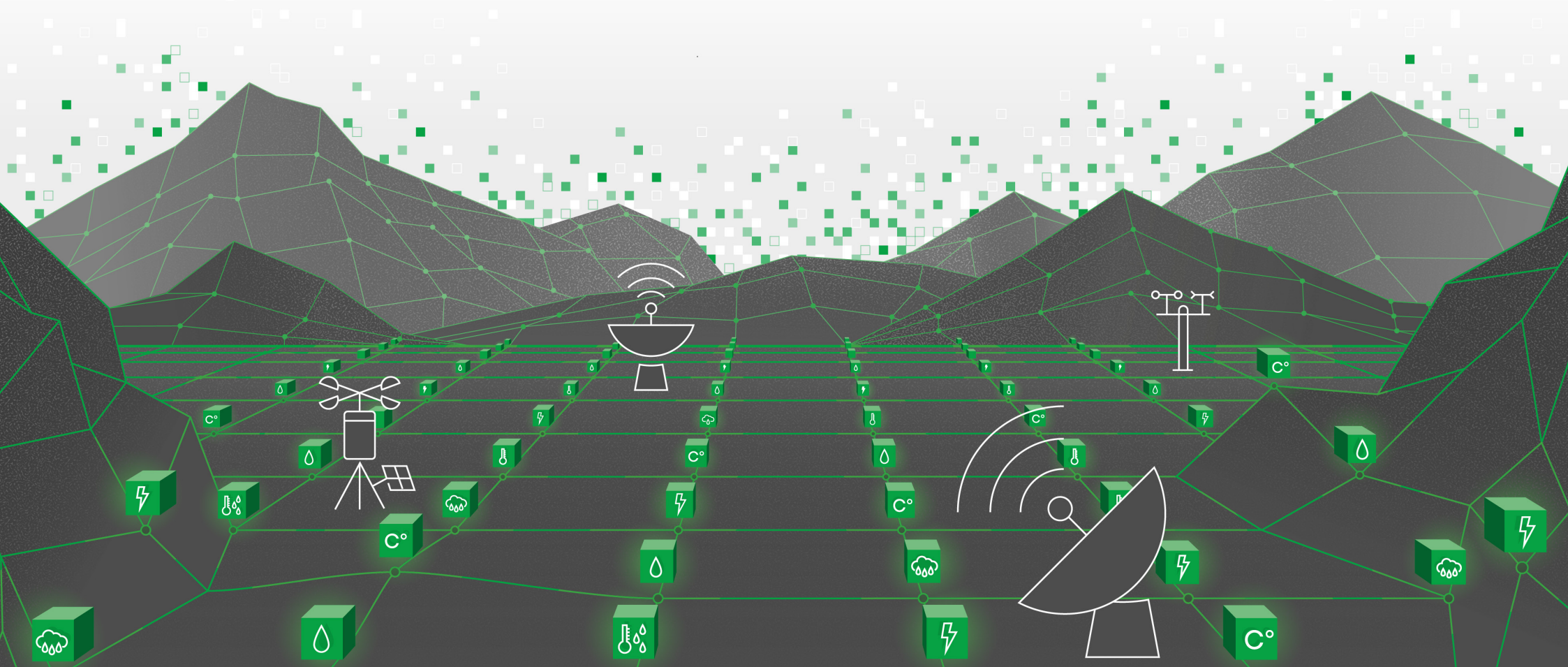


Find out more



Hypermeteo

Weather and climate data
spatialised on high-resolution digital grids



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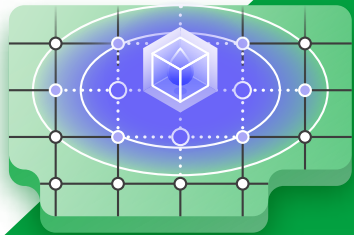
ISO 9001
BUREAU VERITAS
Certification





Hypermeteo

Digital services providing representative, high-resolution weather and climate datasets that can be easily integrated into third-party systems through API



DIGITAL WEATHER DATA REANALYSIS

The datasets are spatialised on areal grids that produce an atmospheric digital twin of the planet. Each cell in this digital grid corresponds to a virtual weather station. Thus a continuous, representative flow of high resolution meteorological data (1 km res.) is provided for every point on the earth's surface.

REPRESENTATIVE WEATHER DATA

Processed and digitised down to the lowest pixel of meteorological representativeness: 1 km². The result is a high-resolution analysis able to meet the need for digital representation of weather and climate phenomena.



INDICES AND RISK INDICATORS

Using the proprietary historical dataset, Hypermeteo can calculate areal indices and risk indicators for all main atmospheric perils. Data depict weather and climate risk, accounting for the probability of occurrence of adverse events, their severity, the potential correlation between multiple events and size of the area affected by the peril.



HISTORICAL REANALYSIS DATA

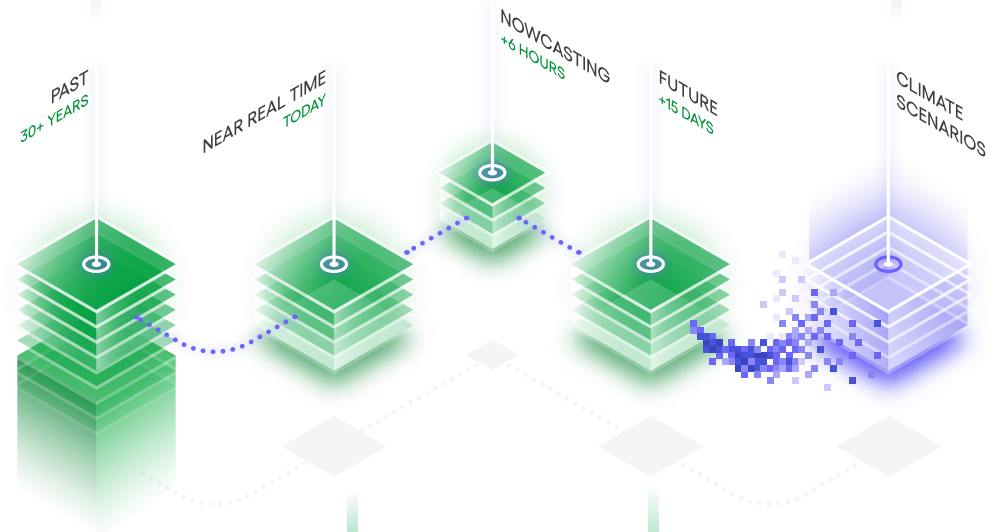
The Hypermeteo dataset — featuring over 30 years of historical data and built using the reanalysis method — provides insight into past climate scenarios.

NOWCASTING DATA

Forecast data obtained with a high refresh rate frequency (up to 5 minutes), extremely useful for very short-term forecasting (3-6 hours).

CLIMATE SCENARIOS

Impact scenarios based on climatological long-term projections supporting adaptation strategies for climate change.



NEAR REAL-TIME DATA

Data are constantly updated to ensure thorough monitoring of all meteorological variables.

FORECAST DATA

The set of weather parameters are processed with high-resolution atmospheric simulation models to produce short-term (up to 3 days) and medium to long-term (3 to 15 days) forecasts.