

Risk indexes



Technical Details:

- Simple incremental risk indexes are available for all municipalities or larger areas
- Climate forecasts and evolution of risk indexes with a temporal horizon of 5 to 30 years in the future
- Sustainability analysis
- Extreme weather thresholds can be modified to better answer to end users activities

For Industry and Insurance:

- Climate outlook reports for sites and areas
- Present and future risk indexes can be given through APIs to be easily integrated in preexisting end users platforms or DBs

Products

Meteorological, Hydrological and Geophysical risk indexes.

Forecast of the evolution of meteorological and hydrological risk indexes and frequency of extreme weather events.

Science

Through the collection and analysis of historical meteorological datasets, the frequency of extreme weather events has been calculated for every municipality or larger area. The information is translated in simple and homogeneous risk indexes.

Where present other geophysical risk indexes (for example earthquake and vulcano) are collected and homogenized.

Considering different climatic outlooks the frequency of future extreme weather events and the evolution of the risk indexes are calculated.



| | 5 years | 10 years | 20 years |
|--------------------------|-------------|-----------|-------------|
| Flooding: Sea Level Rise | Low Risk | Low Risk | Medium Risk |
| Flooding: Heavy Rain | Medium Risk | High Risk | High Risk |
| Wind: Extreme Events | High Risk | High Risk | High Risk |
| Heat Extreme Events | Medium Risk | High Risk | High Risk |

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