DATASHEET

Official Weather Warnings API

Official location-specific severe-weather warnings for informed decision-making

The meteoblue Official Weather Warnings API provides access to weather warnings issued by national and regional authorities. It can return a full list of all active warnings, available warning feeds, active warnings for a queried location, or details for individual warnings by ID.

Key features

- Official warning content from more than 200 national and regional authorities
- Warning metadata based on the Common Alerting Protocol (CAP) 1.2 where available, including severity, urgency and certainty
- Location-based queries using latitude and longitude
- Warning detail retrieval by warning ID
- Feed discovery for available warning sources
- Structured JSON designed for automated systems and customer-facing applications

Use cases

Typical users of the meteoblue Official Weather Warnings API include providers of alerting platforms, emergency response systems, agriculture platforms, public information portals, tourism and outdoor recreation platforms, safety-focused mobile apps, energy operators, transport and logistics companies, smart city teams and insurers. Common use cases include:

- Operational dashboards for assets, routes, cities, and regions
- Weather warning notifications for customers or field teams
- Public safety and emergency preparedness systems
- Risk screening workflows for planned work and outdoor activities, transport, events
- Warning feed discovery and source transparency

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Warning families and variables

CORE API RESOURCES

RESOURCE FAMILY	DESCRIPTION
Warnings by location	Active warnings applicable to a queried coordinate
Warning by ID	Full details for a selected warning
All active warnings	Paginated list of active warnings available through the service
Warning feeds	Available national or regional warning sources

Warning categories: Wind, Thunderstorm, Rain, Hail, Snow, Heat, Cold / icing, Low visibility, Flood, Coastal event, Forest fire, Avalanche, Geological hazard, Volcanic hazard, Earthquake, Air quality and other authority-defined events

Science and data quality methodology

The API republishes official weather warning content issued by national and regional authorities. Warning timing, warning text, severity, urgency, certainty, instructions, and affected areas are based on the source data provided by the issuing authority.

The API standardises access to this information through machine-readable JSON and CAP-compatible metadata. It does not replace the issuing authority and does not modify the meaning of official event names, headlines, descriptions and instructions.

Request/authentication model

Authentication uses an API key passed as a query parameter.

Base URL:

```
https://my.meteoblue.com/warnings
```

Common request patterns:

```
GET /list?lat={lat}&lon={lon}&apikey=YOUR_APIKEY
```

```
GET /select/{warning_id}?apikey=YOUR_APIKEY
```

```
GET /feeds?apikey=YOUR_APIKEY
```

```
GET /list_all?offset=0&limit=10&apikey=YOUR_APIKEY
```

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Integration notes and limitations

- Warning content is issued by official authorities and may vary by country, feed, language, hazard type, and CAP availability
- The Official Weather Warnings API uses a separate endpoint and cannot be included in the same request as Forecast API or History API packages
- Use the location endpoint for fast location checks and the warning-ID endpoint for full details
- Preserve official event names, headlines, descriptions, instructions, severity, urgency, and certainty in customer-facing applications
- Handle missing or partial fields safely, because authority-provided warning structures can differ
- Use the `/feeds` endpoint to identify the warning sources currently available through the API

Further information

- Official Weather Warnings API product page
- Official Weather Warnings API technical documentation
- CAP 1.2 specification
- Support: support@meteoblue.com

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