

Weather API 1.4.0

Release note

October 21st, 2019

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New API release

Radar precipitation forecast API

A new API is now available which provides a short-term precipitation forecast for the next 3 hours, supporting decision support systems sensitive to precipitation. Use cases include green house climate control and irrigation.

Based on real time high resolution radar data a precipitation forecast is made for the upcoming hours with time intervals of up to 5 minutes. It provides expected precipitation amounts for specific points or small regions, also indicating the precipitation type.

More details on use cases, query examples and sample responses can be found [here](#) with 1 query example on the next page.

Countries available are listed below:



Example request expected precipitation amount per 5 minutes:

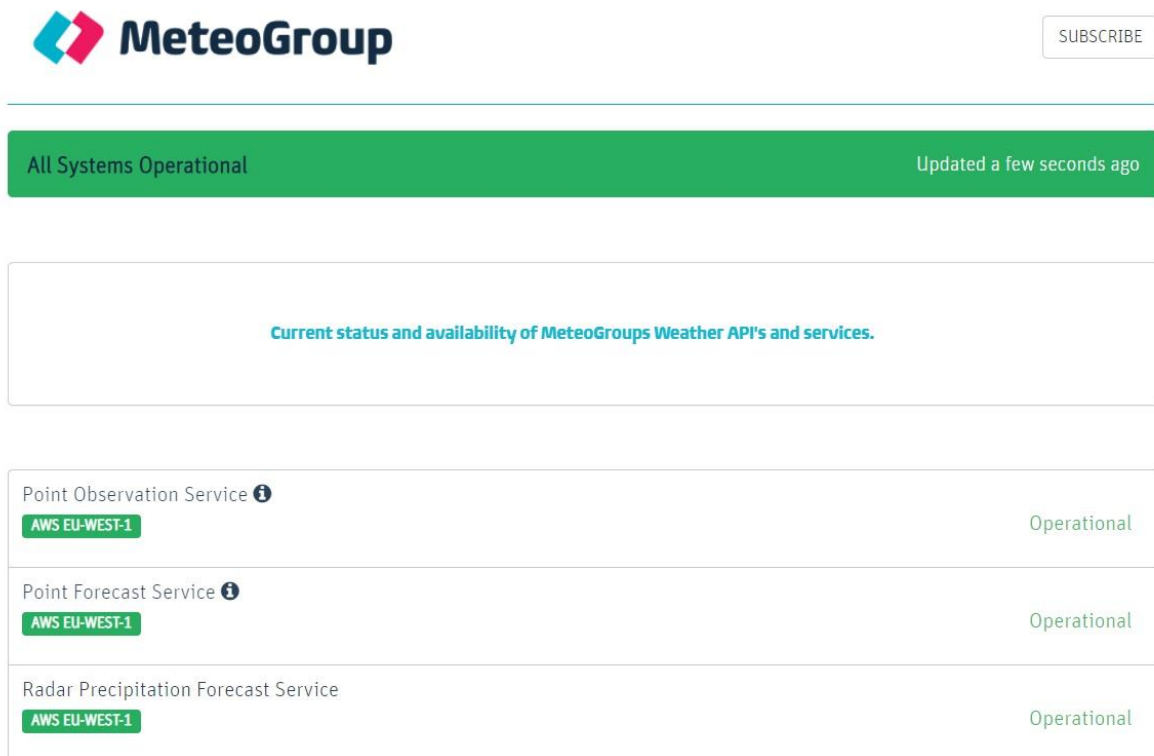
```
{
  "locatedAt": [
    12,
    53
  ],
  "validFrom": "2019-10-08T10:05:00",
  "validUntil": "2019-10-08T10:10:00",
  "issuedAt": "2019-10-08T07:50:00",
  "validPeriod": "PT5M",
  "dataSource": "fcst-radar.mg.de",
  "dataType": "FORECAST",
  "precipitationType": "UNKNOWN",
  "precipitationAmountInMillimeters": 0,
  "spatialResolution": "1km",
  "temporalResolution": "5"
},
{
  "locatedAt": [
    12,
    53
  ],
  "validFrom": "2019-10-08T10:10:00",
  "validUntil": "2019-10-08T10:10:00",
  "issuedAt": "2019-10-08T07:50:00",
  "validPeriod": "PT0S",
  "dataSource": "fcst-radar.mg.de",
  "dataType": "FORECAST",
  "precipitationType": "UNKNOWN",
  "precipitationIntensityInMillimetersPerHour": 0.0402,
  "spatialResolution": "1km",
  "temporalResolution": "5"
},
{
  "locatedAt": [
    12,
    53
  ],
  "validFrom": "2019-10-08T10:10:00",
  "validUntil": "2019-10-08T10:15:00",
  "issuedAt": "2019-10-08T07:50:00",
  "validPeriod": "PT5M",
  "dataSource": "fcst-radar.mg.de",
  "dataType": "FORECAST",
  "precipitationType": "UNKNOWN",
  "precipitationAmountInMillimeters": 0.00335,
  "spatialResolution": "1km",
  "temporalResolution": "5"
},
}
```

Public status page

The status of our productized APIs can now be monitored online via <http://status.api.weather.mg/>

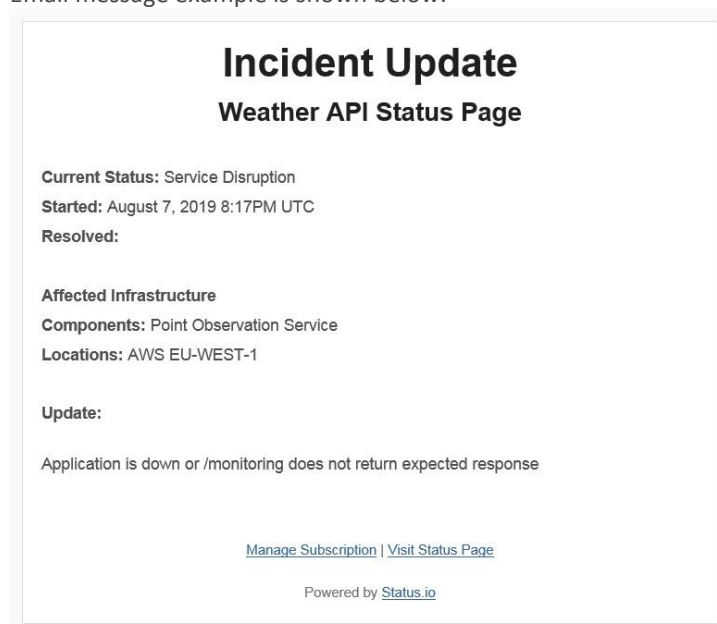
For each API the current status will be shown on a dashboard with automated status changes when one of the systems is down. Any customer can subscribe to this status page to be actively notified when there is a change in the status of the API of interest.

The status page on <http://status.api.weather.mg/> shows services and status.



Current status and availability of MeteoGroups Weather API's and services.	
Point Observation Service ⓘ	
AWS EU-WEST-1	Operational
Point Forecast Service ⓘ	
AWS EU-WEST-1	Operational
Radar Precipitation Forecast Service	
AWS EU-WEST-1	Operational

Email message example is shown below:



Incident Update
Weather API Status Page

Current Status: Service Disruption
Started: August 7, 2019 8:17PM UTC
Resolved:

Affected Infrastructure
Components: Point Observation Service
Locations: AWS EU-WEST-1

Update:
Application is down or /monitoring does not return expected response

[Manage Subscription](#) | [Visit Status Page](#)

Powered by [Status.io](#)

FEATURE EXTENSIONS

ADDITIONAL PARAMETERS NAUTICAL API

The nautical API has been extended with 4 new parameters, matching the availability of these parameters in SPOS. These parameters are:

- Relative humidity
- Freezing level
- Dew point
- Salinity

A detailed description of the nautical API (beta-version) is available [here](#)