

Adrien SALICIS

From: Nicoletta Addimando via OpenMeto <info@open-meteo.com>
Sent: vendredi 13 juin 2025 10:07
To: Adrien SALICIS
Cc: Jean THOMAS
Subject: RE: Technical inquiry regarding wind data interpretation in Open-Meteo API [Ticket#23468]

Dear Adrien,

Windspeed at 10 m is an instant value, wind gusts are the max of the preceeding hour: [1] https://open-meteo.com/en/docs/historical-weather-api#hourly_parameter_definition.

In order to control the model, you can select it yourself directly as input parameter: [2] https://open-meteo.com/en/docs/historical-weather-api?models=ecmwf_ifs

We don't provide any measurements, only model data. The variables are computed by the model at a certain height.

For model biases and limitations you have to refer to the documentation of the specific source: [3] https://open-meteo.com/en/docs/historical-weather-api#data_sources. We don't apply any further computation on our side. We just provide easy access to it.

Since it is model data that is computed at multi-km resolution, its accuracy is strongly dependent on the location and the surrounding topography, aside from the intrinsic limitations that every model has in representing natural phenomena.

Best regards,
Nicoletta Addimando

OpenMeteo GmbH

[4] <https://open-meteo.com>

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