



DATA SET DESCRIPTION

Content of data set: maps from the weather warning system of Hungarian Meteorological Service.

warning for the next 3 hours – in Hungarian and English

severe weather outlook for day 1 – in Hungarian and English

severe weather outlook for day 2 – in Hungarian and English

severe weather outlook for day 3 – in Hungarian and English

severe weather outlook for day 4 – in Hungarian and English

The maps are generated via program 'kt' and controlled by professional severe weather forecaster and valid for Hungary.

Name of data set files:

waexyyyymmdd_hhmm.xml

wahxyyyyymmdd_hhmm.xml

wbexyyyymmdd_hhmm.xml

wbhxyyyyymmdd_hhmm.xml

wcexyyyymmdd_hhmm.xml

wchxyyyyymmdd_hhmm.xml

wdexyyyymmdd_hhmm.xml

wdhxyyyyymmdd_hhmm.xml

weexyyyymmdd_hhmm.xml

wehxyyyyymmdd_hhmm.xml

Those files containing 'a' as a second character, are the files for warnings. The files containing 'b', 'c', 'd' and 'e' are the files for the severe weather outlook consecutively for day 1 to day 4. File name also contains the date (year, month, day) and time (hour, minute in LT).



DATA SET CHARACTERISTICS

Spatial coverage: Hungary

Temporal coverage:

warning: 0-3 hour,

severe weather outlook: 00 – 24 h, 24 – 48 h, 48 – 72 h, 72 – 96 h.

Spatial resolution:

In case of waexyyyymmdd_hhmm.xml and wahxyyyyymmdd_hhmm.xml – districts,

counties for the rest of the files

Update frequency:

weather warnings: whenever necessary,

severe weather outlook: 4-6, 9-11, 17-19 and 21-23 LT, and if needed.

Format(s): .xml, .png

Parameter(s):

Warnings for these parameters (phenomena): thunderstorm, torrential rain, wind gust, freezing rain, blowing snow

Severe weather outlook for these parameters (phenomena): thunderstorm, torrential rain, wind gust, freezing rain, blowing snow, rain, snowfall, extremely cold, extremely warm, long-lasting dense fog

Uncertainties: The products have the inherent uncertainty based on the fundamental characteristic of the weather forecast. A valid weather warning does not guarantee the weather phenomenon to occur in a particular area where the warning is in force.

DATA ORIGIN, METHODOLOGY

This type of special weather forecast is made by analyzing the weather situation, in focus of those phenomena which are more likely to harm life and property. If a value of a certain parameter exceeds the value set in the official criteria-system then the affected area gets a color (yellow, orange, red) according to the criterias. The ideal way of doing so is to endeavor a proper lead time.



ADDITIONAL INFORMATION

<https://www.met.hu/idojaras/veszelyjelzes>

https://www.met.hu/idojaras/veszelyjelzes/omsz_veszelyjelzo_rendszere/

CONTACT POINT

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