



## DATA SET DESCRIPTION

**Content of data set:** non-homogenized, filtered and corrected climate data series for 4 stations from 1870

**Name of data set files:**

meta\_<name of the station>.csv:

<name of the station>: name of the settlement of the meteorological station

<parameter>\_o\_< name of the station >\_period.csv

<parameter>: name of the meteorological parameter

o: original

<period>: year of the start and end of the data series

### DATA SET CHARACTERISTICS

**Spatial coverage:** Budapest, Nyíregyháza, Sopron, Szeged

**Temporal coverage:** 1870- previous year

**Temporal resolution:** daily

**Data formats:**

meta\_< name of the station >.csv:

It contains metadata of data series in text form

<parameter>\_o\_< name of the station >\_period.csv:

1. row: header

2. row: data

1. column: date

2. column: data

**Parameters:**

tx: maximum temperature (°C)

tn: minimum temperature(°C)

t: mean temperature (°C)

r: precipitation (mm)

**Data quality information:**

The raw data sets come from the official meteorological database of the HungaroMet Hungarian Meteorological Service. They have undergone a primary data quality control but are not free from inhomogeneities due to changes in measurement conditions (station relocation, instrument change, measurement time change, etc.). In contrast to the previously published data sets, these data sets were tested by the data quality control procedure of the MASH system, and subsequently the errors generated during the recording of the paper archive were corrected.

### CONSIDERATIONS/SUGGESTIONS FOR APPLICATIONS



The data series contain primary controlled data measured in the station network of the HungaroMet Hungarian Meteorological Service. They are suitable for the examination of a shorter period and beside this they contain the extremes measured at the given stations. However, it is not recommended to study long-term climate change because the degree of the inhomogeneities resulting from changes in measurement conditions may be comparable to the sign of climate change.

#### **ADDITIONAL INFORMATION**

According to the plans, the data series will be updated with the data of the previous year by March 31 of each year. Any changes in the database during the updates (data replacement, data verification) may result in changes in the data series.

#### **POINT OF CONTACT**

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