

DATA SET DESCRIPTION

Content of data set: non-homogenized, data-controlled climate data series for 10 stations from 1901

Name of data set files:

meta_<name of the station>.pdf:

<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, Debrecen, Keszthely, Miskolc, Nyíregyháza, Pécs, Sopron, Szeged, Szombathely, Túrkeve

Temporal coverage: 1901- 2020

Temporal resolution: daily

Data formats:

meta_< name of the station >.pdf :

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 are from the official database of the Hungarian Meteorological Service. They have undergone primary data verification 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 also examined by the data verification procedure of the MASH system, and subsequently the data errors generated during the recording of the archive data were corrected.

CONSIDERATIONS/SUGGESTIONS FOR APPLICATIONS

The data series contain controlled data measured in the station network of the Hungarian Meteorological Service. They are suitable for the examination of a shorter period and contain the extremes measured at the given stations. However, it is not recommended to study long-term climate change because 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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