README file for the "CHASE-PL Forcing Data – Gridded Daily Precipitation & Temperature Dataset 5 km (CPLFD-GDPT5)"

version 1.0: 30 October, 2015

Berezowski, T., Szcześniak, M., Kardel, I., Michałowski, R., Okruszko, T., Mezghani, A., and Piniewski, M.: CPLFD-GDPT5: high-resolution gridded daily precipitation and temperature dataset for two largest Polish river basins, Earth Syst. Sci. Data Discuss., 8, 1021-1060, doi:10.5194/essdd-8-1021-2015, 2015

Latest news:

30.10.2015 CPLFD-GDPT5 v.1.0 uploaded to 3TU.Datacentrum; the accompanying manuscript submitted to Earth System Science Data, http://www.earth-system-science-data.net.

18.12.2015 manuscript published for discussion on the ESSDD website http://www.earth-syst-sci-data-discuss.net/essd-2015-33

Content: Three meteorological variables (precipitation, minimum and maximum temperature) interpolated on 5 km grid, available at three temporal aggregations (daily, monthly and annual). Prepared for the period 1951-2013 in two numerical formats: Geotiff and NetCDF3. The spatial extent includes Poland and the parts of the Vistula and Odra basins lying outside Poland.

Publisher: Warsaw University of Life Sciences (WULS-SGGW), Poland.

Data usage:
These data are provided for *bona fide* research purposes only. No warranty is given as to their suitability for user applications. No liability is accepted by the authors for any errors or omissions in the data or associated information and/or documentation.

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Access:

Dataset URL <http://data.3tu.nl/repository/uuid:e939aec0-bdd1-440f-bd1e-c49ff10d0a07>

Article URL <http://www.earth-syst-sci-data-discuss.net/essd-2015-33>

File nomenclature and units:

CPLFD-GDPT5 dataset is available in two versions: NetCDF and GeoTiff files. Below one can find description of these files:

a) NetCDF files:

Naming convention *Variable***For***TimeStep***.nc** (e.g. PreciForDays.nc). Each NetCdf file is described in detail in accompanying ascii file in CF -1.0 convention. Time format for daily, monthly and annual step is DD-MM-YYYY. File name contains the following variable abbreviations and units:

-Preci for precipitation [kg m^{-2}] or [mm]

-**Tmin/Tmax** for minimum/maximum air temperature [^{o}C].

Standard netCdf variable names are:

- precipitation_amount (daily/monthly/annual sum of precipitation at surface (includes both liquid and solid phases)

- air_temperature (Daily/monthly/annual minimum/maximum near-surface air temperature)

All grids are in ETRS89_Poland_CS92 metric coordinate system (EPSG:2180) described in http://spatialreference.org/ref/epsg/etrs89-poland-cs92/.

b) **GeoTiff files:**
The GeoTiff files are divided to nine folders whose naming corresponds to NetCdf file names. The naming convention for GeoTIFF is: *VariableTime***.tif**, with the following variable abbreviations: “pre” for precipitation, “tmin” for minimum temperature and “tmax” for maximum temperature; Time is coded as YYYYMMDD, YYYYMM or YYYY for daily, monthly and annual time step, respectively.

File updates: none

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