Deliverable D3.9

Final version of interpretation sheets for all gridded datasets, publically downloadable with the datasets

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Content

1. Introduction……3
2. Interpretation sheet preparation……3
3. Interpretation sheet format……..4
   3.1 Section 1: Identification information……4
   3.2 Section 2: Description of the grids……..4
   3.3 Section 3: Interpretation……5
   3.4 Section 4: Encoding……5
   3.5 Section 5: Distribution……5

Annex – Interpretation sheets of all gridded datasets.zip

1. Introduction

According to the service contract for the CARPATCLIM (Climate of the Carpathian Region) project all gridded data from the digital Climate Atlas of the Carpathian Region are associated with climatological interpretation sheets that explain concisely the characteristics and the derivation of the data product. These interpretation sheets are made publicly available through the dedicated internet site (www.carpatclim-eu.org) so that data users can get a fast overview of the characteristics of the data products offered. After discussions, suggestions and corrections, the final format that was accepted by all partners is presented in this deliverable.

2. Interpretation sheet preparation

The interpretation sheets are .PDF documents that are downloaded together with the data, attached as a supplementary material. As there are two ways to download gridded data, there are also two ways of interpretation sheets preparation. The first way from the Atlas page, where templates of the sheets are prepared in advance with spaces left empty to be filled in accordance with the selection of the user of the digital Climate Atlas of the Carpathian Region. Depending on that selection the final sheets are generated with all relevant data describing the downloaded data set and exported to .PDF format. The second way is from the Download page, where complete interpretation sheets, in .PDF format, are prepared in advance for all gridded data sets. All of them are presented in the Annex of this deliverable.

3. Interpretation sheet format

After the headline of the Interpretation sheet displaying the name of the variable/indicator in question, there are four (for daily) or five (for climatology) sections describing it.

3.1 Section 1: Identification Information

This section has seven (for climatology) or ten sub-sections, for daily gridded datasets:

- Resource title: short name/description of associated field
- Resource type (only for daily), describing the type of data
- Resource frequency, describing temporal resolution of the field in question: daily, monthly, yearly
- Unit of measurement, depending on the variable/indicator
- Geographic extent of the grids, with explicit bounding box coordinates
- Country name; CARPATCLIM area, if the sheet is associated to the whole spatial domain (only when downloading from the Atlas page)
- Upper and lower altitudes, dependent on the user selection, by default min and max altitudes in the whole domain
- Temporal extent
- Custodian (only for daily)
- Abstract, explaining the characteristics and derivation method of the gridded data product (only for daily)

3.2 Section 2: Description of the grids

This section has three (for climatology) and five sub-sections, for daily gridded datasets:

- Spatial resolution: describing grid cell resolution
- Reference system: the coordinate system used
- Abstract, paragraph describing the climatological variable/indicator (only for climatology)
- Parent: physical measurement or computed if the variable is the result of a model (only for daily)
- Number/density of stations used to compute the grids (only for daily)
- Quality report, about completeness, quality control, homogenization and interpolation methods used (only for daily)

3.3 Section 3: Interpretation (only for climatology)

In this section the derivation method of the variable/indicator will be presented, and also the color scale and classification scheme for certain drought indicators.

3.4 Section 4: Encoding

This section has two sub-sections:

- File coding, describing the file format of the stored data, name of the file
- Data coding: short description of the gridded data file and file format

3.5 Section 5: Distribution

This section has four sub-sections:

- Available Format of the stored data
- Status, showing availability of the data
- Access constraint
- Data Transmission, method of getting/delivering data.

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