BRIGAID Task 5.1 Loading conditions GIS files readme

Version 2.0

*V2.0 integrates data for Albania, omitted from the previous release, and includes some minor data revisions.*

1. General information

The GIS dataset of loading conditions of Task 5.1 contains a set of normalized indicators for 7 hazards and 3 scales (local, regional and national).

**Further information**

For information on the underlying hydrological and meteorological data, normalization process and analysis of the results, see Appendix A of Deliverable 5.1.

**Contact**

For inquiries regarding flood indicators and technical issues with this dataset, please contant Dominik Paprotny (TU Delft), [d.paprotny@tudelft.nl](mailto:d.paprotny@tudelft.nl)

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1. Disclaimer and copyright

The data provided herein were made using large-scale datasets and are intended for providing an European-wide overview of present and future probability of occurrence of extreme weather hazards. Extreme caution should be made when drawing local-scale conclusions from the data.

When using the data to prepare maps, the information on the copyright of the administrative boundaries data needs to be provided: “© EuroGeographics and Albanian Ministry of Local Issues for the administrative boundaries”.

1. Contents and data format

The GIS files are ESRI Shapefiles and are formatted in ETRS89 / ETRS-LAEA projection (EPSG:3035). There are 3 shapefiles, each with different scale of analysis (local, regional and national):

* ‘AllIndicators\_local’
* ‘AllIndicators\_regional’
* ‘AllIndicators\_national’

Each shapefile contains basic information about the geographical units and values for all hazard indicators corresponding to a given unit. The data structure is the same for all 3 shapefiles, as shown in the table 1.

The data can be viewed online at [http://www.arcgis.com/home/item.html?id=312d18a14b524d6db594641342925a53](https://urldefense.proofpoint.com/v2/url?u=http-3A__www.arcgis.com_home_item.html-3Fid-3D312d18a14b524d6db594641342925a53&d=DwMDaQ&c=XYzUhXBD2cD-CornpT4QE19xOJBbRy-TBPLK0X9U2o8&r=vhr5oFLfsVbPqiT_qZW06NmmM89hOIuhGnyY22HZ5hc&m=ma9yplyH7ZeJl-xXf3N-xTPdNxy5QwatAV_HElp2748&s=kegJqrc85R2E080gnlJm7cxU9Bt4V1eTmG8kTq2dQYI&e=)

*Table 1. Data structure of GIS files.*

|  |  |  |  |
| --- | --- | --- | --- |
| **Field name** | **Field type** | **Field length** | **Description** |
| ID | Text | 2 (national), 5 (regional), 15 (local) | Local: modified LAU 2 code; regional: NUTS 3 code; national: NUTS 0 code |
| Name | Text | 200 | Name of local/regional/national unit |
| Area | Long integer | 6 | Surface area, sq. km |
| Population | Long integer | 9 | Resident population, persons, 1.1.2015 (only regional & national level) |
| GDP | Long integer | 7 | Gross domestic product (GDP), millions of euros, 2014 (only regional & national level) |
| CstFl\_hist | Double | Precision: 8, scale: 3 | Coastal flood indicator, historical scenario (1971-2000), in meters |
| CstFl\_rcp4 | Double | Precision: 8, scale: 3 | Coastal flood indicator, RCP 4.5 scenario (2071-2100), in meters |
| CstFl\_rcp8 | Double | Precision: 8, scale: 3 | Coastal flood indicator, RCP 8.5 scenario (2071-2100), in meters |
| RvrFl\_hist | Double | Precision: 8, scale: 3 | River flood indicator, historical scenario (1971-2000), in meters |
| RvrFl\_rcp4 | Double | Precision: 8, scale: 3 | River flood indicator, RCP 4.5 scenario (2071-2100), in meters |
| RvrFl\_rcp8 | Double | Precision: 8, scale: 3 | River flood indicator, RCP 8.5 scenario (2071-2100), in meters |
| Drght\_hist | Double | Precision: 8, scale: 3 | Drought indicator, historical scenario (1971-2000), in days |
| Drght\_rcp4 | Double | Precision: 8, scale: 3 | Drought indicator, RCP 4.5 scenario (2071-2100), in days |
| Drght\_rcp8 | Double | Precision: 8, scale: 3 | Drought indicator, RCP 8.5 scenario (2071-2100), in days |
| HtWvs\_hist | Double | Precision: 8, scale: 3 | Heat waves indicator, historical scenario (1971-2000), number of heat waves |
| HtWvs\_rcp4 | Double | Precision: 8, scale: 3 | Heat wave indicator, RCP 4.5 scenario (2071-2100), number of heat waves |
| HtWvs\_rcp8 | Double | Precision: 8, scale: 3 | Heat wave indicator, RCP 8.5 scenario (2071-2100), number of heat waves |
| Wldfr\_hist | Double | Precision: 8, scale: 3 | Wildfire indicator, historical scenario (1971-2000), dimensionless index |
| Wldfr\_rcp4 | Double | Precision: 8, scale: 3 | Wildfire indicator, RCP 4.5 scenario (2071-2100), dimensionless index |
| Wldfr\_rcp8 | Double | Precision: 8, scale: 3 | Wildfire indicator, RCP 8.5 scenario (2071-2100), dimensionless index |
| Wndst\_hist | Double | Precision: 8, scale: 3 | Windstorm indicator, historical scenario (1971-2000), in m/s |
| Wndst\_rcp4 | Double | Precision: 8, scale: 3 | Windstorm indicator, RCP 4.5 scenario (2071-2100), in m/s |
| Wndst\_rcp8 | Double | Precision: 8, scale: 3 | Windstorm indicator, RCP 8.5 scenario (2071-2100), in m/s |
| HPrcp\_hist | Double | Precision: 8, scale: 3 | Heavy precipitation indicator, historical scenario (1971-2000), in mm |
| HPrcp\_rcp4 | Double | Precision: 8, scale: 3 | Heavy precipitation indicator, RCP 4.5 scenario (2071-2100), in mm |
| HPrcp\_rcp8 | Double | Precision: 8, scale: 3 | Heavy precipitation indicator, RCP 8.5 scenario (2071-2100), in mm |