

Climate of the Carpathian Region



The main goal of the project was to improve the climate database in the Carpathian Mountains region for further regional studies such as drought monitoring. Thus, CARPATCLIM was the first international project which aimed to harmonize climate databases from different countries, the area of interest being represented by the Carpathian Mountains chain (including the Transylvanian Depression), which included parts from the following countries: Bulgaria, Czech Republic, Slovakia, Romania, Hungary, Moldova, Croatia, Poland, Serbia, Ukraine. The project aimed at improving the access to climate information for the region of interest, as well as the spatialization of information by harmonizing the databases between the participating countries.

- **Partners**

Hungarian Meteorological Service

Central Institute for Meteorology and Geodynamics, Austria

Meteorological and Hydrological Service of Croatia

Czech Hydrometeorological Institute

Institute of Meteorology and Water Management – National Research Institute, Poland

National Institute for Research and Development in Environmental Protection of Romania

Republic Hydrometeorological Service of Serbia

Slovak Hydrometeorological Institute

Ukrainian Research Hydrometeorological Institute

Szent Istvan University, Hungary

- **Period**

01.2010 – 01.2013

- **Financed via**

European Commission – Joint Research Centre

- **Main Project Members**

Dr. fiz. Matei Monica

Eng. Deák György PhD. Habil

Ph. D., Prof. Habil Sorin Cheval, Scientific Researcher I

Objectives

- Completing climate databases, performing data quality control and homogenizing them
- Harmonization of cross-border data sets and interpolation of data sets into grid points

Results

- Harmonization and quality control of climate data sets for each country and the development of a metadata catalog for documentation of homogenised datasets.
- Spatial interpolation of data sets in the form of grids for each country
- Development of the climate atlas for the Carpathian region
- Website dedicated to the project on access to the resulting data.