DELIVERABLE D2 (D1.2)

BASELINE CLIMATE REPORT FOR REGIONS - SUMMARY

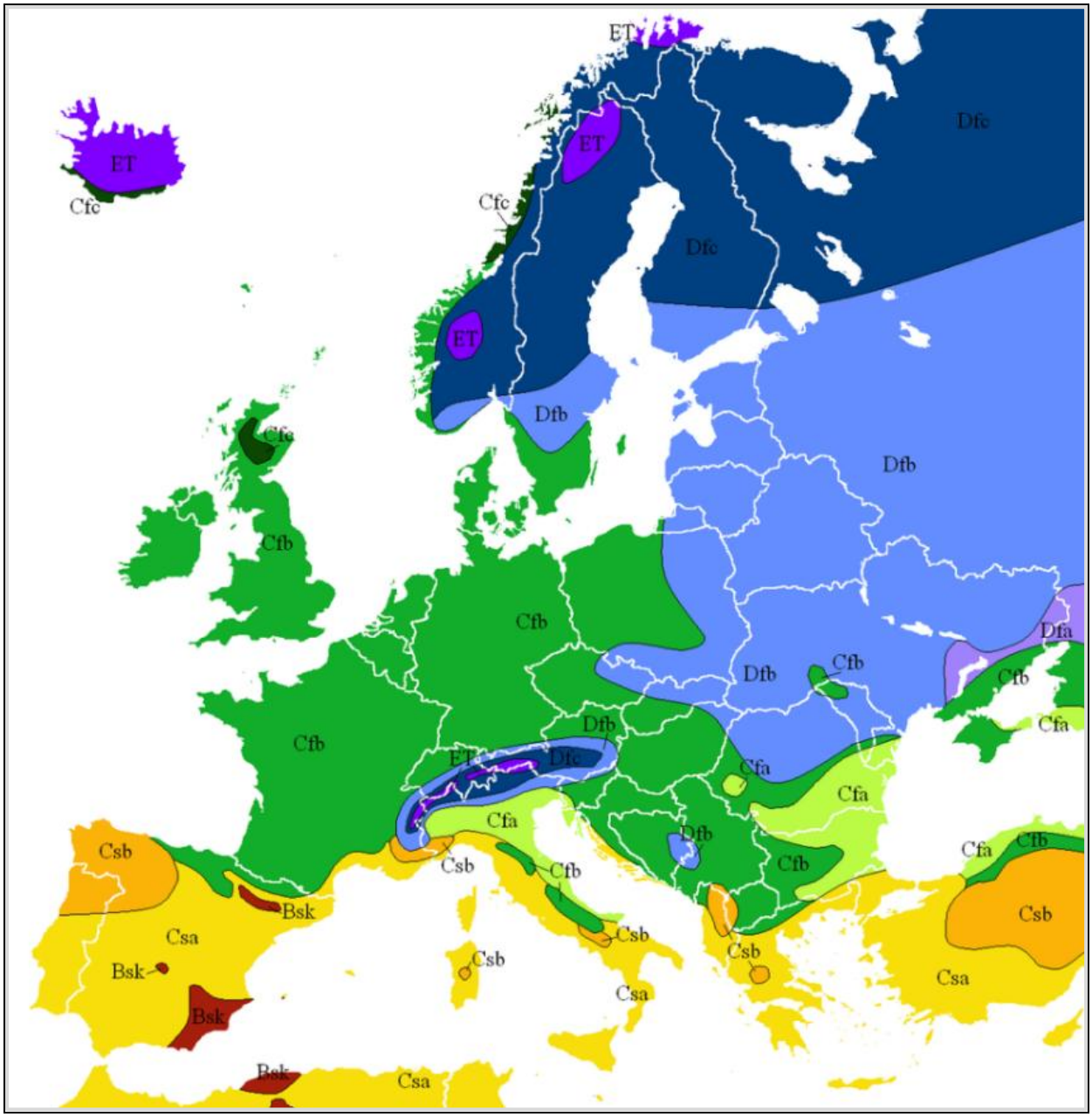
SUMMARY

An extensive climate database was created for the major mining regions of each country represented in TEXMIN. This database includes data from 1990 to 2020, focusing on temperature and precipitation and sometimes including snowfall and wind speed, if they are vital for a particular region. This information is essential to obtain the baseline climate conditions (temperature, precipitation, wind speed and snowfall) regarding the specific European mining areas. The chosen 30 years period is ideally suited for a complete climate baseline study and is the classical period for describing a climate as defined by the World Meteorological Organization. Moreover, each region's climate data was analysed, processed and graphically presented to illustrate possible climate change trends during the past 30 years. Last but not least, this report provides a crucial reference point for future climate change assessment.

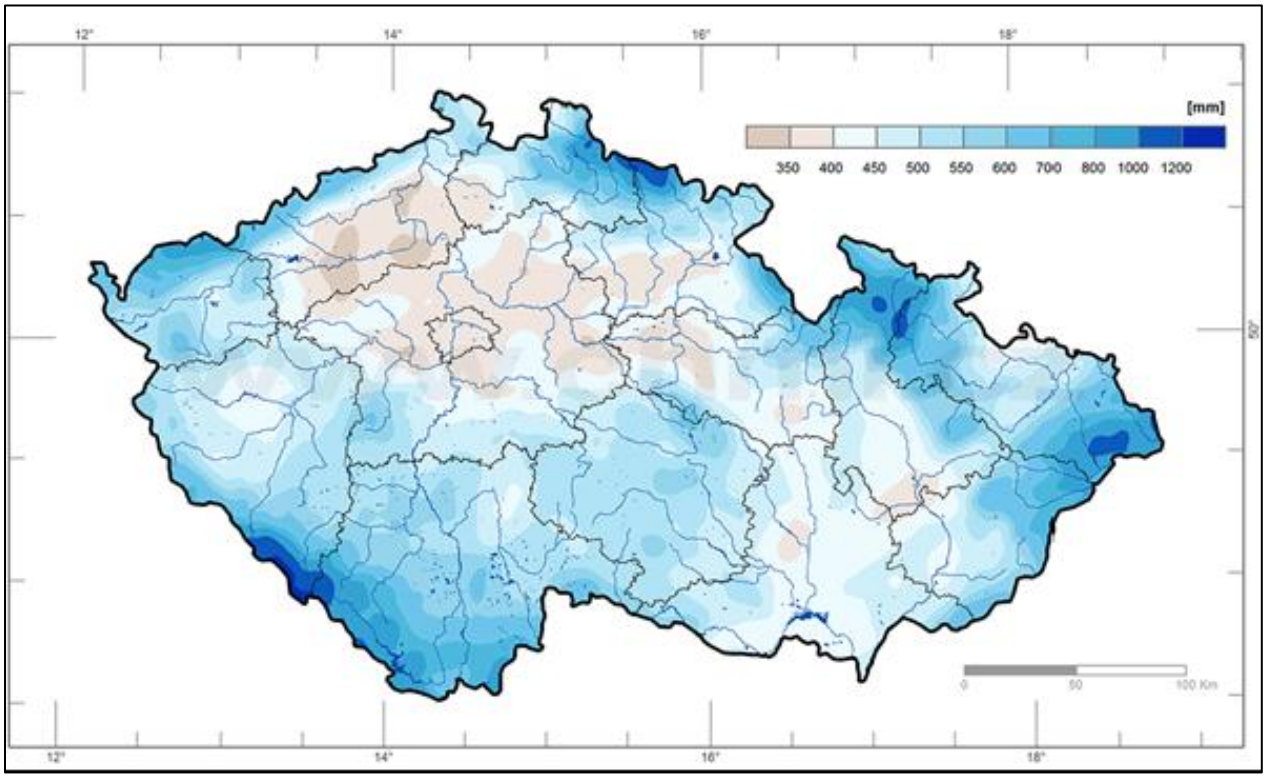
HIGHLIGHTS

- Köppen–Geiger climate classification has been used to define the baseline climate for all regions
- 18 European mining regions (active or abandoned) have been analyzed from East (Czech Republic, Poland) to West (Spain) and from South (Greece) to North (UK), including continental Europe (Germany)
- The trends of temperature and precipitation of these areas were revealed for the last 30 years
- The average temperature has been rising during the last 30 years
- The average precipitation does not have a clear general trend but depends on the area

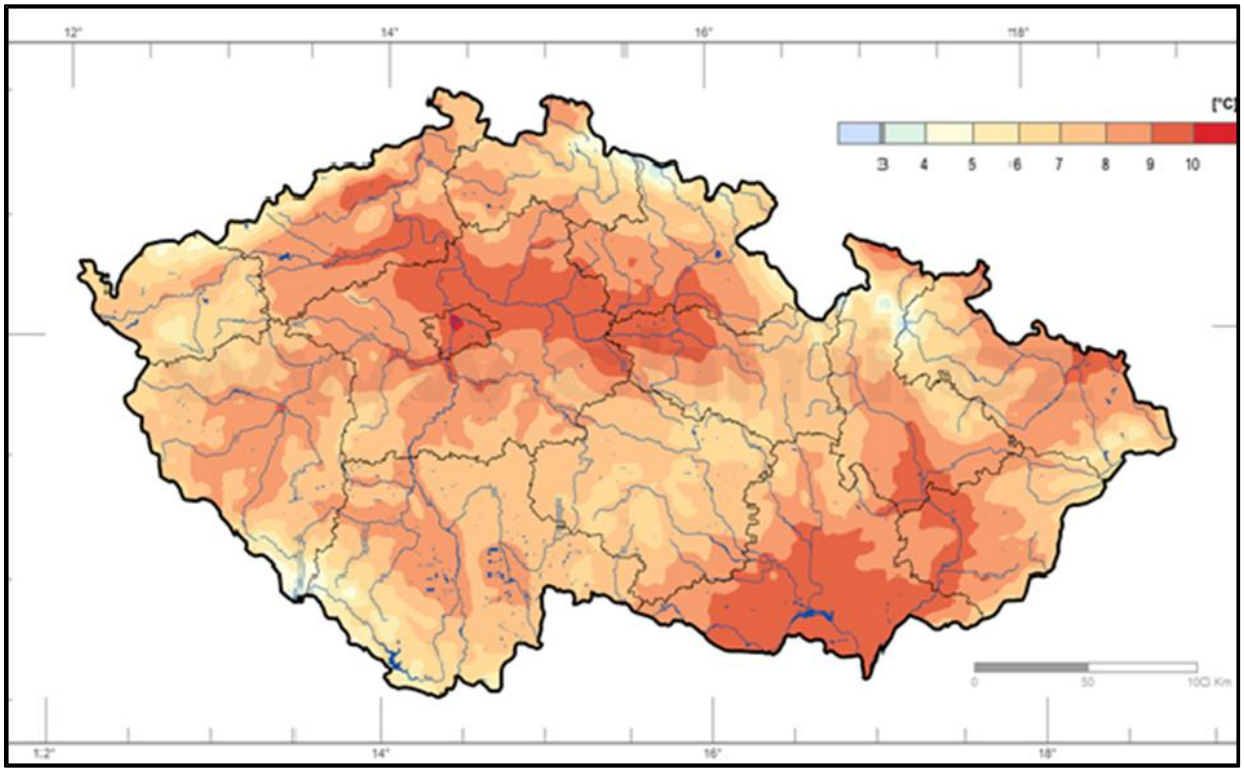
GRAPHICAL HIGHLIGHTS



Overview of Köppen–Geiger climate classification for Europe



Average precipitation in 2018 in the Czech Republic



Average temperature in 2018 in the Czech Republic