

Processing current and historical data of surnames in Bohemia in GIS

Abstract

The main objective of this work is processing current and historical data of surnames of the population of Bohemia and their subsequent comparison. For the purpose of this comparison typologically identical databases were created. The comparison of current and historical data, which were taken from „berní rula“ from 1654, is performed by territorial units of judicial districts from 1930 and the methods and results of earlier research by Novotný and Cheshire (2012) were used. The analysis focuses on selected surnames and compares current data with historical surnames by location quotients. The results were visualised in ArcGIS. In the conclusion of this work differences in geographical distribution of surnames in Bohemia in the present and in history are discussed. The options of beneficial uses of processed data are also presented.

Keywords: surnames, berní rula, judicial districts, location quotient