

Analysis of the accessibility of elementary schools in the Czech Republic since 1961

Abstract

The aim of this paper is to analyze the development of accessibility to elementary schools in the Czech Republic since 1961 by the personal car transport using network analysis. In addition, the paper also evaluates the development to elementary schools by public transport. The first part summarizes the available literature about those issues. The second part presents the source data and analysis methodology. Most of the analysis is performed by GIS ArcGIS 9.3. The last part presents the analysis results. It was found that the accessibility of complete elementary schools has improved in the period and the accessibility of all elementary schools has deteriorated. This applies to the accessibility by personal car transport and by public transport.