

Abstract

The Prague area represents a unique georelief composed of planation surfaces of Prague Plateau with deeply incised antecedent and epigenetic valleys of rivers and streams. In the presented paper, the current state of the art on geomorphological development of the Prague area, and that with focus on climate-morphogenetic processes during the Quaternary, is described, based on the evaluation of literature and field recognitions. The principal aim of the research is to identify areas of intensive recent geomorphic processes in the region of Prague, by means of the terrain spatial data analysis. The recorded results were complemented by a terrain survey on the two selected locations that are a subject to current intensive landform changes. Identification of the areas exposed to intensive recent geomorphic processes that pose certain natural hazards, was performed and presented in thematic maps and related graphical documentation. In the paper is clearly emphasized that the structure and intensity of recent geomorphological processes in the Prague area is significantly influenced by a long-term evolution of landforms during the Quaternary.