Cartographic Visualizing of Attractive Proposed Road Connection Crossing Mountain Ridge
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Abstract
The article describes planning and cartographic presentation of a proposed new road connection between Slovenia and Austria. The new road connection would improve entry from the Central Slovenian region to Logarska valley and on to the Bad Eisenkappel in Austria, crossing Kamnik Alp’s mountain chain. The idea was to cross the mountain chain with two cca. 5 km long tunnels. Due to rather large height difference in both sides of mountain ridge and avoiding long and distinctive new road construction overtaking this difference on southern side of chain; the idea was to create a spiral loop road just prior entering south gate of the first tunnel. This loop would be positioned in quite narrow valley, partly (2.8 km) in tunnels and partly (2.7 km) on bridges. Besides attractive and not very often seen constructing solution the challenge was also cartographic presentation of planned road, especially presentation of loop road. According to all calculated technical data of loop road, tunnels and calculation of the finished road level, different cartographic presentations were created: General situation map at scale 1: 50,000, Detailed situation map at scale 1: 10,000, Longitudinal profile at scale 1: 10,000 and Transverse profile of the loop road, all containing the solution to the problem of mapping multi-level linear facilities.