

Improvement of the Data Model – Thematic Unit Land Cover and Land Use

Vladimir BARIČEVIĆ¹, Robert ŽUPAN², Damir ŠANTEK¹, Ivan LANDEK¹

¹ State Geodetic Administration, Gruška 20, 10000 Zagreb

vladimir.baricevic@dgu.hr, damir.santek@dgu.hr, ivan.landek@dgu.hr

² University of Zagreb, Faculty of Geodesy, Kačićeva 26, 10000 Zagreb

rzupan@geof.hr

Abstract

Based on the Law on State Survey and Real Estate Cadastre (NN112/18), article 15, the official state maps as well as topographic and cartographic databases are made on the basis of Basic Topographic Database. The basic topographic database is structured in accordance with the data model of the Croatian Topographic Information System (CROTIS). To date, CROTIS was published in several versions (No. 1.0, 1.1, 1.2 and 2.0), all of them with the goal of improvement and to increase a number of users. CROTIS 2.0 consists of 7 packages – buildings, lines, traffic, land cover and use, hydrography, relief and geographical names. This paper presents several proposals for improving the data model of the thematic unit named Land cover and Land use.

Keywords: CROTIS, land cover, land use, topographic base