THE USE OF THE CADASTRAL INFORMATION SYSTEM (CIS) FOR MANAGE AND CADASTRAL DATABASE QUERY

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Abstract

The MapSIC software is a Cadastral Information System (CIS) which allows, by its interactive features, to manage an d query the CIS Database and Digital Field Model, represented by level curves in 2D form or by color, depending by relief height, in 3D form. Through its multiple facilities meet th e technical requirements of the imposed cadastral works, bot h in inside and outside of the city. Its main functions of import, export, digitizing/vectorization, as well as compatibility with software for processing field's raw data (TopoSys) and with GIS (Geographic Information Systems) complex software systems, ranks the MapSIC software in the segment of applications that are producing directly geo-informational data, bringing remarkable benefits of these data users. It suffices to think of the possibility of real-time updating of information related to graphic and alphanumeric objects. To achieve the CIS Data Bank was chosen as the study area, the former vineyard unit SAE Copou Iasi with a total are a of 111 hectares, located, until 2007, in the outside of Iasi City. The initial cadastral data, from surveying done in 2004, have b een updated based on the land register documentation approved by the Cadastre and Land Registration Office Iasi (OCPI Iasi) and on the reception of General technical cadastre made for the north-west of the City of Iasi. Updating cadastral data was necessary due to changes caused by the recognition of the right of ownership to forme r owners, according to the Law No. 18/1991, the Land Fund law, and due to the existing documentatio ns of dismantling of land parcels, because of the inclusion of study area in the extended inside of the City of Iasi since 2007. The MapSIC software was conceived from the desire of capitalization of the obtained data, by choosing and adopting the best solutions in terms of socio-economic view.

Key words: agricultural cadastre, topographic-cadastral digital plan, Cadastral Information System