

Cadastral Records in Serbian Land Administration

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SUMMARY

Well-structured and organized cadastral records are prerequisite for better services in land administration. Cadastral records in Serbia met numerous problems and issues in past years and attempts were made to overcome these problems. However, one of the main problems is still present and that problem is related to the way how data is organized and kept which affects the data integrity and it is unable to address user needs in timely manner. While the applicability of the Land Administration Domain Model specified in ISO 19152 to the Serbian cadastre has been widely analyzed with the conclusion that it fits to Serbian cadaster and the appropriate profile has been developed, the main problem remains how to transfer data from the system that is currently in use to the new standard based system. It needs to be assessed to what extent it is possible to migrate the data that have been recorded for decades, with what accuracy and what problems might occur during this process. This paper describes the method for translation from the existing data model for Serbian cadastre into a new standard based data model and describes its benefits. The paper also analyses the user requirements for cadastral data and the means of dissemination through dedicated Web portal or via Web services. Once established such system would provide centralized approach in cadastral data management, as opposite of current situation where each municipality is responsible for its own data. Such situation of isolated cadastral records created many problems, including inability to conduct centralized search for e.g. rights of a certain person. Finally, it is examined to what extent such data can contribute to Open Data initiative.