

Data Structures of Geographical Names and Cadastral Parcels Concerning Establishment of Infrastructure for Spatial Information

Christina Mickrenska-Cherneva, Kolio Hristov, Maya Ilieva, Tamara Ilieva-Tsvetkova and Kalina Shilova (Bulgaria)

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SUMMARY

This paper reviews the processes for creating geographical names register and structuring the cadastral parcels geodata in Bulgaria for establishment of infrastructure for spatial information. The available geodata structures and metadata are analyzed and examined. The existing spatial data and metadata are structured in conformity with the technical arrangements for interoperability. Thus, identity and stability are ensured and a possibility to provide accurate and fast information on geographical names and cadastral parcels data for public authority and anyone who needs it. A software for managing digital geographical names database is developed. Information system and web based application were developed in order to ensure network services with the structured spatial datasets in conformity with the requirements of DIRECTIVE 2007/2/EC.