

Impact Analysis of Recent Geo-ICT Developments on Cadastral Systems

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ABSTRACT

This paper analyses the impact of the recent Geo-ICT developments, such as information system modelling standards, database technology, positioning systems, Internet development, wireless communication and acceptance of geometry standards within general ICT tools, on cadastral systems. Efficient design, development, testing and maintenance of cadastral systems allow the introduction of such systems within acceptable time and budgets. A basic condition for system development is analysis of user requirements. Those requirements can change in time, e.g. because of changes in legislation, governmental policy, new tasks for organisations or technology. It is therefore important to design generic and flexible information systems, e.g. to follow the (data) model driven architecture (MDA).

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