

Registration and Time Updating of Objects in Public Registers and Impacts of These Operations on Spatial Data Integration for the Needs of Creation of the Spatial Information Infrastructure and the Multi-Dimensional Real Estate Cadastre.

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SUMMARY

Nowadays, in the era of computerisation of various public, and not only public resources, databases of spatial objects have been created for many years, together with assigned attributes. The importance of assigning meaningful and sufficient attributes was not always assumed. It turned out after many years of creation and maintenance of parallel spatial registers, that the majority of them became the public registers and their parallel existence in space, one beside another, must have coincided in one place and must have been integrated. Many countries in the world are at the stage of integration of such public registers; other countries have not considered these issues yet, but they are planning to solve this problems in the future, creating such registers every day. It turns out after deep and wide analyses of created public registers, that it is not possible to integrate them without deep manual interventions, concerning particular objects in these registers. The authors of the paper perform the analysis, which attributes should be assigned to spatial objects at the stage of their generation, in order to allow for their integration, without the necessity of the deep manual intervention, what would also allow for creation a reliable spatial information infrastructure and the multipurpose cadastre, while minimizing financial inputs.