Development of Multipurpose Land Administration Warehouse

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SUMMARY

Multipurpose land administration system (MLAS) should integrate various types of data that are kept in many official registers as public sector information. All information of the public sector, if available, are the potential which can contribute to social and economic development. The right of access to the public sector information in recent years are guaranteed by regulations in many countries. Although the regulations are different, the objectives they have are common. Informing the population is important task for the development of democracy, fighting against corruption and increasing the accountability of the governing structures.

The availability and redundancy of data can be determined by comparing the key registers data. Results of comparisons are used in the development and implementation of a prototype of a MLAS warehouse and implementation of a portal for access to (meta) data.

In order to establish a prototype warehouse, open source technologies were analysed in terms of their applicability to the development of an appropriate data model of a warehouse. Based on the strengths and weaknesses we opted for the approach to modelling and establishment of a repository for various types of data.

Typical data are migrated to storage. Each migrated data is described in standardized manner with metadata. In that way discoverability and searchability is facilitated which results with significantly improved ability to use warehouse of MLAS. Metadata/data infrastructure is established as a set of publicly available services suitable for research of improvements of usage of public sector information.

Two portals with the ability to view/download data have been implemented. They provide access to

the metadata with the ability to view/download data. This allows further research on the possibilities of using the data for various purposes such as real estate mass valuation, land consolidation, etc...

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