

Enhancing Cadastral Land Information System Towards Soa in Republic of Kosovo

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SUMMARY

A land information system gives support to land management by providing information about the land, the resources upon it and the improvements made to it. The operation of this system includes the acquisition, data collection, processing, storage and its maintenance, which afterwards will facilitate the retrieval, analysis and dissemination of this information.

Kosovo Cadastral Agency is responsible authority for Kosovo Cadastre Land Information System (KCLIS), which has been conceived of as an integrated multi-purpose system that is composed of a number of key conceptual modules and is as a base system for NSDI in Kosovo. This system is already in operation, and is divided into five main components. Altogether, these components cover all management of real estate information, but there is a need for improvements related to the integration between the components and need for more flexibility in operation. World Bank (WB) in coordination with from Norwegian Government are supporting the Kosovo Cadastral Agency (KCA) with donations for different components of cadaster development, where is foreseen also the strengthening of the national information infrastructure within the area of cadastre information. The objective of the project is that by the mid of 2017, the existing system to be upgraded to new SOA oriented system; it means data migrations from existing system to the new one is completed and all components are decoupled.

This article explains the latest developments on enhancing Kosovo Cadastral Land Information System towards Service Oriented Architecture (SOA). The overall business needs to be covered by the new enhanced system comprise: workflow definitions, case management, technical data, valuation data, legal data, documents, import and export and services for dissemination of cadaster data. Users shall experience a unified user friendly web based system with a common central database. New enhanced system shall be build up of independent and essential modules; each

module will exclusively be responsible for managing a part of the cadaster information.

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