Towards Sustainable Land Administration Infrastructure in Croatia

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SUMMARY

The transformation of land administration systems from traditional to modern multipurpose land administration systems (MLAS), which support all land development activities, is a goal that can be reached only by considering various aspects ‒ legal, social, economic, technological, to name just a few. From a technological point of view, maybe the biggest shift in recent developments is perceiving the modern land administration system as being of distributed systems – land administration infrastructure (LAI).

An 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, has the potential to contribute to social and economic development. The right of access to public-sector information in recent years is guaranteed by regulations in many countries. Although the regulations differ they have common objectives. Informing the population is an important task for the development of democracy, fighting against corruption and increasing the accountability of the governing structures.

Besides governments that are undergoing the process of “opening up” to the public they serve, academia is also becoming increasingly open on the wave of the open science movement. The paper describes how principles of open science in research can support the development of LAI. This approach is verified by the development of the platform through the project Development of Multipurpose Land Administration System (DEMLAS) that supports the land administration needs of users from various backgrounds. The platform gives them direction on how to access data from official registers and enriches them with research data and findings, which provides users with additional value.