

Exploring Possible Standardization of Processes in the Land Administration Domain Model

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SUMMARY

Processes and transactions in Land Administration are outside the scope of the original Land Administration Domain Model (LADM) Edition I as published in 2012. Processes were considered to be country specific. By then generic processes were too difficult to model. This view needs reconsideration – given developments as Fit-For-Purpose Land Administration, Mobile Apps and blockchain processes.

In many countries different organizations have their own responsibilities in data collection, data maintenance and distribution. But they all communicate on the basis of standardised administrative and technical processes. Operationalisation and implementation of LADM requires attention to this aspect, at least at conceptual level and should not be prescriptive. Nevertheless the development of the LADM is and was based on user needs. The global market and globalization are constantly influencing and introducing new processes for data collection, data maintenance and distribution all requiring a shared ontology, These administrative and technical processes will be discussed during the development of LADM Edition II. Issues in this debate will be presented in this paper.

Those processes are not just transactions but the Fit-For-Purpose approach in Land Administration enables the inclusions of processes as such as: selection of imagery, automated feature extraction, initial data collection with mobile apps, etc. Also the application of blockchain for transaction management is an issue.

The operationalisation of those processes and tools, at scale (apart from conventional cadastral processes which may be complex to standardise) is an issue given the ambitions in the Sustainable Development Goals to bring tenure security for all. The Open Geospatial Consortium initiated operationalisation of land administration standards as LADM and there is a cooperation with the

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International Standardisation Organisation in this respect.

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