

Data Quality Control in the Process Massive Land Survey According to the LADM-COL

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SUMMARY

In the new model of Cadastral Management in Colombia the decentralization of the cadaster is sought at several levels, the first is to enable territorial entities to provide services as a Cadastral Manager, the manager will be responsible for attending all the procedures related to training, conservation or update of the cadastral information of the assigned municipality and the second level is to enable cadastral operators, which are those entities that will be in charge of carrying out the information gathering operation in the land in a massive way and deliver it to the manager for validation, acceptance and formalization of the data.

The coordination between the IGAC cadastral authority, the SNR registration authority and the ANT, which is the entity responsible for carrying out activities for the assignment of rights and the regularization of different situations of land tenure in the rural sector is very important for the joint definition of information flows and quality control on the data provided by the operators of the massive property sweep.

The delivery of the information in interlis format (* .xtf) and according to the LADM_COL (* .ili) model by the operator also implies a challenge for the institutions in the articulation of the information and the optimization of the processes of revision, verification and validation of the information delivered.

The IGAC with the support of the Swiss Cooperation Project “Modernizing Land Administration in Colombia”, financed through the State Secretary for Economic Affairs (SECO), has been working on the definition of a quality control scheme on information, under the principles of efficiency and effectiveness, for this it is necessary to have technological tools that optimize the automated validation of data conforming to the LADM_COL

model.

One of the main advantages of having LADM_COL modeled in format (*.ili) and that the data delivered by USAID is in format (*.xtf) is that it allowed to execute the validation of data in a semantic way and apply business rules to be able to perform the quality control of the data delivered by the operator in relation to compliance with the technical product specifications defined by the multipurpose cadaster.

The review of large data sets of plots in relation to the data model in accordance with LADM implementing INTERLIS and tools that allow automating the process are a breakthrough in the framework of the implementation of the multipurpose cadaster policy.

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