

# **Environmental Information as a Fundamental Axis of the Rights, Restrictions and Responsibilities of the Land Administration System in Colombia**

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**Key words:** Cadastre; Geoinformation/GI; GSDI; Land distribution; Standards; LADM, Deforestation, environmental, cadaster, national park, protected area

## **SUMMARY**

The information management of the environmental sector has a high relevance and strategic importance in the implementation of different public policies, such as the Multipurpose Cadastre CM and the Territory Administration System SAT, in this sense and according to what is stated in the implementation of public policy, one of the main bets is the interoperability between information systems, for which the adoption of the international standard defined in ISO 19152:2012, which speaks of a domain model for the administration of the LADM territory.

However, the conceptualization and implementation of a land administration system in the country generates a great challenge for the entities that will be part of this model, for which the standardization of the data becomes necessary, which seeks to structure in a sequential and articulated way all the fundamental elements for a correct harmonization of the territorial dimensions and that these are reflected in the SAT. As part of this inter-institutional effort and with the importance of information from the environmental sector to achieve this public policy objective, the Ministry of Environment and Sustainable Development has built a methodological proposal for the creation of extended models of legal territorial objects. managed by the entities of the sector, structuring a series of instruments and artifacts that step by step describe the activities necessary for the generation of an extended model.

In this way, the Environmental Information System of Colombia SIAC has a fundamental relevance in the implementation of these public policies, as an integrator of the actors, policies, processes and technologies involved in the management of environmental information in the country, seeking to facilitate the generation of knowledge, will serve to provide information in a clear, fast and quality way to the different territorial, regional and national actors and always thinking of the citizen as part of the vision of compliance with the sustainable development objectives

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SDGs.

Information from the environmental sector is fundamental in the implementation of the SAT, mainly due to the characteristics of the territory, zones of special environmental interest and protected areas have a large number of RRR Rights, Restrictions and Responsibilities and their implementation in LADM to be part comprehensive SAT is important for the country.

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