

Development of a Cadastral system in Colombia

Project in the field of cadastre and land register



- 📍 Colombia
- 👤 State Secretariat for Economic Affairs SECO, Switzerland
- 🕒 since 2014

Expertise

Consulting

The Government of Switzerland supports the development of a Land Administration System in Colombia (based on law 1448, 4-year plan 2014-2018 of President Juan Manuel Santos), enforcing the implementation of a modern Land Administration System, particularly for rural areas. The project is financed by the State Secretariat for Economic Affairs, Switzerland (SECO). The implementation has been delegated to an Implementing Agency under the leadership of BSF Swissphoto.

The partner institutions of the project are the National Planning Department (DNP), the Superintendence of Notaries and Registry (SNR), the Geographic Institute Agustín Codazzi (IGAC), the Land Restitution Unit (URT) and the National Land Agency (ANT).

After 5 years of implementation, the project has achieved important results that were presented during a panel discussion on 05.09.2019 in Bogotá. Jan Koers, expert for international management processes, presented the achieved progress in a speech titled “The International Importance of the Modernisation of Land Administration Processes in Colombia through the Implementation of ISO 19152 LADM and its Contribution to the Vision of the SAT-Land Management System in Colombia”:

- ◆ A “Model Driven Approach” applying ISO norm 19152 (LADM) and the implementation of the INTERLIS language for describing and exchanging Land Administration-related data.
- ◆ Technical support in establishing a Multipurpose Cadastre, including the implementation and analysis of the technical specifications in a field test.
- ◆ Major progress in the development of a web-based LADM data-retrieval system.
- ◆ Major progress in the definition of the Quality Management and Evaluation System for the Land Administration.
- ◆ Support for the Spatial Geodata Infrastructure of Colombia (ICDE) in establishing the Spatial Data Infrastructure (SDI) for Land Administration IDE-AT.

Recent publications:

Development and Employment of an LADM implementing toolkit in Colombia; Jenni/López/Ziegler/Pérez (2017); Paper presentation at "2017 World Bank Conference on Land and Poverty", The World Bank - Washington DC; März 2017

INTERLIS Language for Modelling Legal 3D Spaces; Kalogianni/Dimopoulou/Quak/Germann/Jenni/van Oosterom; Paper in International Journal Geo-Information (isprs); Oktober 2017

LADM Implementation in Colombia – Process, Methodology and Tools developed and applied; Jenni/Germann/Eisenhut/Guarin/Bajo; Paper publication; Februar 2017