



SWISS LAND MANAGEMENT FOUNDATION

- LADM COUNTRY PROFILES IN A COMPUTER ASSISTED MANNER

- FIRST STEP TO NSDI USING LADM

Swiss Land Management is a private foundation aiming at transferring experiences of methodologies and technologies to reach the UN millennium development goals. The foundation acts as a think tank in the land related fields of development and management. SWISS LAND MANAGEMENT is a close cooperation of the Swiss private sector with the Swiss Government.

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LADM - INTERLIS Implementation

SWISS LAND MANAGEMENT SUPPORTS THE ISO STANDARD LADM

The Land Administration Domain Model (LADM) has become an ISO standard (ISO 19152) in December 2012 and is now considered to represent best international practice in many Land Administration projects. While the LADM is well documented, many organizations worldwide face the problem to implement LADM in IT systems. Swiss Land Management (SLM) therefore started an initiative to facilitate and speed up LADM development by describing the LADM with the Swiss modeling language INTERLIS. INTERLIS is a well-established Swiss national standard and currently used to describe the 160+ Swiss National Spatial Data Infrastructure (NSDI) data models. The complete LADM description in INTERLIS can be downloaded from the SLM website www.swisslm.ch for free.

BENEFITS AND SERVICES

By describing LADM with INTERLIS the INTERLIS tool chain (compiler, check, UML-Editor) can be applied to handle and implement LADM compatible country profiles in a computer-assisted manner. Exchange of LADM data between IT systems will be easily possible with the XML based INTERLIS transfer mechanism. The INTERLIS approach can be used for other NSDI-layers as well and therefore improves implementation efficiency and reduces costs.

Data modeling is an important step in the setup of a NSDI. SLM provides the following services in this field:

- Creation of LADM compatible country profiles;
- Analysis and modeling of all other NSDI layers;
- Modeling training (INTERLIS introduction, language elements, examples, tools);
- Tool chain training (INTERLIS compiler, UML editor, checker);
- Developing efficient workflows with the available tools.