

REPORT 2018-19 AND WORK PLAN 2019-2022

FIG General Assembly Hanoi, Vietnam, April 22nd 2019 Christiaan Lemmen

International Office for Cadastre and Land Records

- One of the permanent bodies of FIG
- Serves as a documentation and study centre for land administration
- Conducts comparatative studies
- Publishes the results



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- Team:
 - Anne Burghout left
 - Sylvia Huigen is the new librarian
 - Pauline van Elsland
 - Christiaan Lemmen



Comparatative studies

- Land Administration Domain Model
- White Paper Land Administration OGC





https://www.bbc.com/news/in-pictures-45257901?ocid=wsnews.chat-apps.in-app-msg.whatsapp.trial.link1_.auin

Sustainable Development Goals





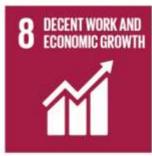
































Secure land rights for the world



Purposes

- Peace Building and Security
- Social Justice and Poverty Eradication
- Disaster Management
- Resource Management
- Tenure Security
- Access to Credit
- Taxation

- Smart and Resilient Societies
- Sustainable Land Use and Food Security
- Protected Environment
- Slum Upgrading
- Access to Housing
- City Management
- Access to Basic Infrastructure

Workplan

- Edition II of LADM with ISO and OGC
- Operationalisation of LADM I with OGC and ISO

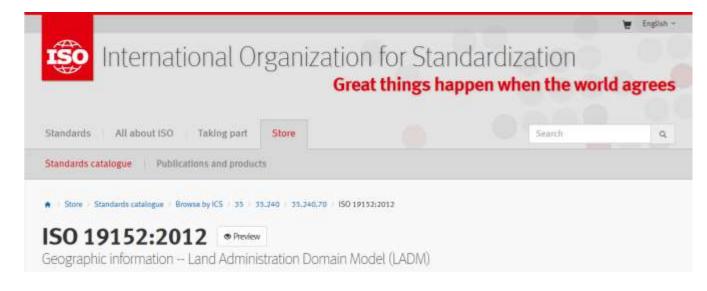






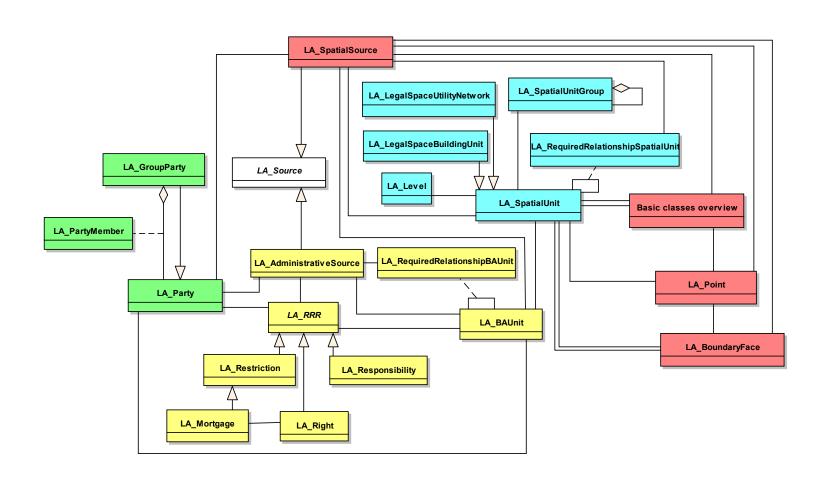
Land Administration Domain Model

- ISO 19152
- Edition I published in 2012

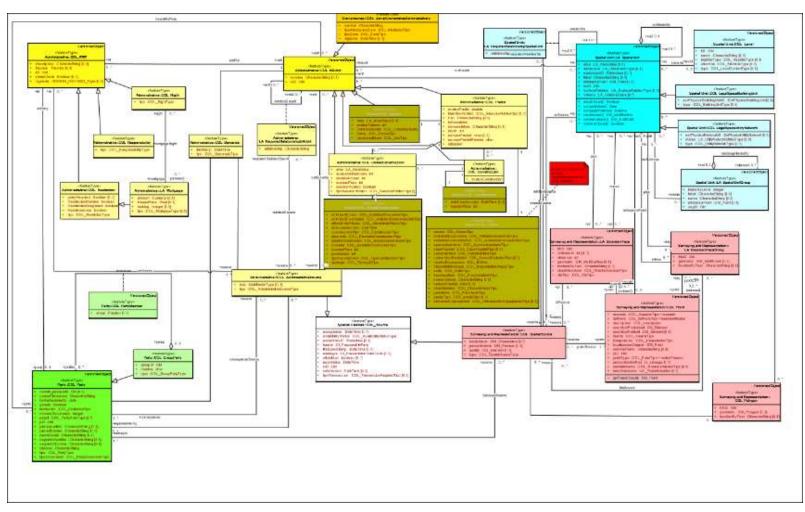




Land Administration Domain Model



LADM Country Profile Colombia



ISO/TC 211 Land Administration Domain Model (LADM)Standard Revision

Ongoing Work

- Correct errors in Edition I
- Backwards Compatibility
- Sustainable Development Goals
- Methodology of developing country profile
- Input from developing countries & UNGGIM Expert Group on Land Administration & Management

- Potential Revision Topics
 - Land Management Processess
 - Taxation and Valuation
 - Maritime Limits & Boundaries
 - 3D & 4D
 - Indoor & Building Information Models (BIM)
 - Volunteered Land Administration & Crowdsourcing
 - Sustainable Development Goals (SDG)
 - Land Indicator
 - Social Tenure to Legal Tenure
 - Application of Blockchain





Organizations with Interest in ISO LADM (19152) V2

- UN FAO
- UN HABITAT
- Global Land Tool Network
- UN Division for Ocean Affairs and the Law of the Sea
- UNGGIM Expert Group Land
 Administration and Management
- World Bank
- ISO/TC 211 members
- Open Geospatial Consortium

- International Federation of Surveyors
- Valuation Community
- International Hyrdrographic Organisation
- Royal Institution of Chartered Surveyors
- European Land Registry Association– ELRA
- IPRA-CINDER Registrars





















OGC Land Administration White Paper

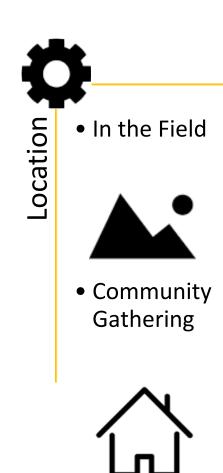


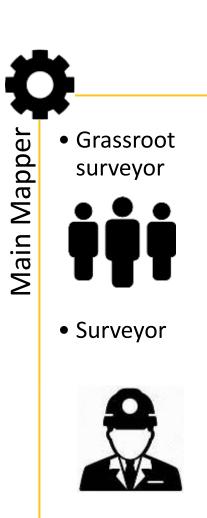
- Focus on land rights for all
- Cross community collaboration
- Addresses:
 - Conventional methods and participatory approaches
 - Complex 3D & 4D urban environments (underground, Indoor)
 - Valuation
 - Land indicators, Performance Index
 - Linking legal space to physical objects
 - Indoor models
 - Marine Cadastre
 - Integration of key / relevant complementary standards (indoorGML, BIM, CityGML, etc.)

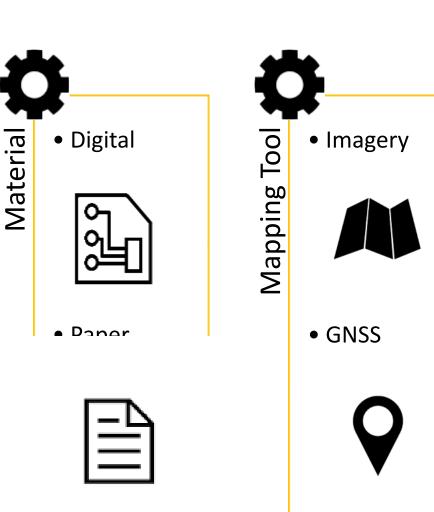


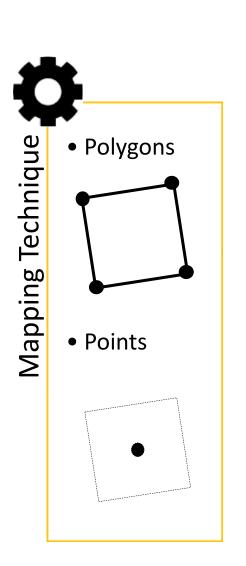


Mapping and Recording Options









OGC & Land Administration Domain Working Group

• Focus:

- Examination of existing systems of land administration;
- Advance best practices that enable nations to address their needs in less time, cost, and effort through standards-based implementations; and
- Evaluate emerging information resources and technologies to assist nations in leapfrogging capability.
- Test and Pilot new standards-based technologies processes with practitioners where possible.
- **Collaboration** address interoperability issues that span land administration community of practice, geospatial, and broader IT environments



Upcoming LADM Standard and Related Events

ISO/TC 211: Slovenia, 4 Jun 2019.
 LADM v2 Working Draft discussion

OGC Technical Committee: Leuven, Belgium, 24-27 Jun 2019
 OGC Land Administration DWG, Country Cases, piloting, Review of LADM implementations

• Geospatial Kuala Lumpur 2019: Malaysia, 1-3 Oct 2019

FIG 8th LADM Workshop

Joint ISO/TC 211 / OGC Operationalization meeting (Proposed)



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Thank you