Joint ISO/TC211 and OGC Revision of the LADM: Valuation Information, Spatial Planning Information, SDG Land Indicators, Refined Survey Model, Links to BIM, Support of LA Processes, Technical Encodings, and Much More on Their Way!

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Secure land rights for the world

- State
- Condominium
- Freehold
- Restriction
- Customary
- Dispute
- Possession
- Informal
- Occupation
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
Land Administration Domain Model

- ISO 19152
- Edition I published in 2012
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
  - Input from UNGGIM EG on Land Administration & Management

- **Potential Revision Topics**
  - Land Management Processes
  - Taxation and Valuation
  - Maritime Limits & Boundaries
  - 3D & 4D
  - Indoor & Building Information Models (BIM)
  - 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 Ocean Affairs and the Law of the Sea
- UNGGIM
- World Bank
- ISO/TC 211 members
- Open Geospatial Consortium

- International Federation of Surveyors
- Valuation Community
- International Hydrotechnical Organisation
- Royal Institution of Chartered Surveyors
- European Land Registry Association
  - ELRA
- IPRA-CINDER Registrars
Mapping and Recording Options

Location: • In the Field
  • Community Gathering

Main Mapper: • Grassroot surveyor
  • Surveyor

Material: • Digital
  • Paper

Mapping Tool: • Imagery
  • GNSS

Mapping Technique: • Polygons
  • Points
Classes of Valuation Package

Abdullah Kara
Classes of Spatial Planning Package

Agung Indrajit
Extended Source Class

Anna Shnaidman
Spatial Unit Geometries

Eftychia Kalogianni
UML model of LADM-IndoorGML combined model

Abdullah Alattas
The classification of different types of cells based on functional rights.
Processes

- Transactions
- Blockchain
- Access to Imagery

Example (Zevenbergen)
Thank You!