LADM and its Role in Establishing Cadastral Systems

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19 June 2014
Core Classes of STDM

Basic Classes of LADM: Party, RRR, BA_Unit, SpatialUnit
LADM

Components
• Persons (green)
• Rights (yellow)
• Parcels (blue)
• Surveying (pink)
• Mapping (violet)

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Support in Implementation of Cadastre 2014
The principle of legal independence

Legal Topics:
- Resource Exploitation
- Collective Land Rights
- Water Protection
- Indigenous Land Rights
- Environment Protection
- Land Use Planning
- Land Property
- Shelter and Housing
- Natural Resources
- Natural Land Objects

Land Object Boundaries:

Rightful Claimants:
- Chartered company
- Corporation
- Society
- Tribe, Clan
- Society
- Society
- Private Land Owners
- House owners
- Society
- Society
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Support in the Implementation of UN Habitats Continuum of Land Rights

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Support in the implementation of FAOs Voluntary Guidelines
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3D Cadastres

2D and 3D Integration

• between 2D and 3D spatial unit transition via liminal spatial units

• Liminal spatial units are 2D parcels, but are stored as 3D parcels

• Liminal spatial units are delimited by a combination of LA_BoundaryFace and LA_BoundaryFaceString objects
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Development of Application Software
STDM source codes to be released at FIG Congress 2014 in Kuala Lumpur Malaysia, June 2014

It is a pleasure to announce the upcoming release of version 1.0 of the Social Tenure Domain Model (STDM) tool, including its source codes from GLTN. The land tool is a product of several years of conceptualization, design, development, field testing and implementation by various partners of the Network. It is one of the flagship land tools that GLTN is developing to promote the continuum of land rights approach and to offer an alternative and affordable land information tool to strengthen tenure security, improve livelihoods and empower poor communities.

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Data Exchange
SDI
LADM

External Links

External links
- Addresses
- Persons
- Valuation
- Taxation
- Land cover
- Land use
- Documents
- Utility networks

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Quality management
Conclusion

• LADM is a development and implementation standard
• It is a conceptual model

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Thank you