



UN-GGIM
UNITED NATIONS
COMMITTEE OF EXPERTS ON
GLOBAL GEOSPATIAL
INFORMATION MANAGEMENT

Closing remarks

19/03/17

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UN-GGIM Expert Group on Land Administration and Management
Delft, 14-15 March 2017

Initial reflections

- It was a great honor host UN-GGIM: EG-LAM
- It were 2 tough days
- Hard questions in the breakout groups,
but very important to have the input for revision of LADM
- Remarkable:
 - Organizational /Institutional complexity (multiple ministries, gov levels)
 - Balance UN-SDG indicators – land admin base data
 - Implementations needed
- Next two days we have the 6th LADM workshop
- I learnt a lot, about UN, about LA in countries, about developments

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LADM scope topics

- Conceptual model:
 - Further modelling LADM's rights, restrictions, responsibilities (RRRs)
 - Fiscal/valuation extension module
 - LADM in support to Marine Cadastre
 - More explicit relations with Building Information Modelling (BIM)
 - Further modelling of LADM's survey and spatial representation
 - 3D/4D Cadastre
- Technical models (database schema, exchange formats): CityGML, IndoorGML, InfraLand (InfraGML), LandXML, and (Geo)BIM.
- Beyond models: Organization (best practices), Legal/financial aspects, OpenCadastre approach (crowd sourcing), Workflow modelling, Blockchain and ledger technologies

Valuation Questionnaire

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Questionnaire for the development of ISO 19152:2012 LADM Valuation Module

A recently initiated collaborative research aims at developing a LADM based international information model for one of these external registrations, namely in terms of a Valuation Module for the ISO 19152:2012 LADM. The purpose of this research is to define the semantics of valuation information maintained by public authorities especially for recurrent taxes on immovable property, and to extend the scope of LADM from a fiscal perspective to provide an information model that could be used to construct information systems for immovable property valuation.

So far received completed questionnaires:


- <http://isoladm.org/ValuationQuestionnaire>


- Deadline 1 april

1. [Croatia](#) (Hrvoje Tomić)
2. [Cyprus](#) (Anastasis Aristidou)
3. [Denmark Erik](#) (Erik Stubkjaer)
4. [Denmark Manohar](#) (Manohar Velpuri)
5. [India](#) (Manohar Velpuri)
6. [Macedonia](#) (Vasil Miskovski)
7. [The Netherlands](#) (Ruud Kathmann)
8. [Singapore](#) (Manohar Velpuri)
9. [Slovenia](#) (Dušan Mitrović)
10. [South Africa](#) (Manohar Velpuri)
11. [South Korea](#) (Lee Young-ho, Kim Bong-Jun)
12. [Turkey](#) (Volkan Çağdaş, Abdullah Kara)
13. [UK Ben](#) (Ben Elder)
14. [UK Pete](#) (Pete Wyatt)



<http://isoladm.org/LadmPublications>

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Research/ISO19152

Major Webs

You are here: [TU Delft Wiki](#) > [Research/ISO19152 Web](#) > [LadmPublications](#) (10 Mar 2017, [Theo Tissen](#))

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LADM related publications at workshops, conferences, and in journals, magazines (by LADM developers, but also by others)

2017

Pieter Soffers
Designing an integrated future data model for survey data and cadastral mapping
Master's thesis, Delft University of Technology, 2017, 113 pages
[PDF file](#) 31,928 KB

2016

V. Çağdas, A. Kara, P. van Oosterom, C. Lemmen, Ü. Isikdag, R. Kathmann, E. Stubkjaer
An Initial Design of ISO 19152:2012 LADM Based Valuation and Taxation Data Model
Chapter in: ISPRS Annals of Photogrammetry, Remote Sensing and Spatial Information Sciences, IV-2/W1, 2016, pages 145-154
[PDF file](#) 12,885 KB

S. Zlatanova, P. van Oosterom, J. Lee, K.-J. Li, C. Lemmen
LADM and IndoorGML for Support of Indoor Space Identification
Chapter in: ISPRS Annals of Photogrammetry, Remote Sensing and Spatial Information Sciences, IV-2/W1, 2016, pages 257-263
[PDF file](#) 1,743 KB

Katerina Athanasiou, Efi Dimopoulou, Christos Kastrisios, Lysandros Tsoulos
Management of Marine Rights, Restrictions and Responsibilities according to International Standards

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Agenda LADM workshop

- Day 1: 16 March 2017, Prepare revision of ISO 19152 (LADM)
 - Opening Session: Welcome, Introduction
 - Experiences with LADM (STDM), version 1
 - Possible Extensions Conceptual Model of LADM
 - LADM, possible standardization beyond conceptual model?
- Day 2: 17 March 2017, Operational Standards in Land Admin
 - Technical models LA (database schema, exchange formats,...)
 - Best practices land administration implementation
 - Panel discussion, Coordination between ISO, OGC, FIG, IHO, ISPRS, UN GGIM, WB, UN Habitat GLTN and FAO
 - Closing session: White paper, Summary of Preliminary Decisions/ Proposals, Summary OGC

Our MSc Students (2016-2017) at LADM workshop

- MSc Geomatics:
 - Eftychia Kalogianni: Refined LA_Level Modelling (3D, Strata Titles, Archaeological Spaces,..)
 - Pieter Soffers: Standardized Workflow for Processing Survey
- MSc GIMA:
 - Jennifer Oldfield:(Geo)BIM
 - Carline Amsing: Linking New Survey Data Acquisition Methods and Maintenance

LADM Governance Group? FIG → UN-GGIM: EG-LAM



- Conclusion from 5th LADM Workshop (Kuala Lumpur, sept'13): Governance structure is needed.
- Proposal: LADM Governance within FIG to be led by the OICRF - the International Office of Cadastre and Land Records → UN
- Members (old): ISO 19152 editors, Worldbank, UN Habitat, FAO, FIG comm 3+7, FIG Young surveyors, ...
- *Possible members (new): UN GGIM-LA, GLTN, OGC, RICS, IHO, ISPRS, WPLA, ISO TC307, GSDI, EC/JRC Ispra, JBGIS,..*
- Activities of LADM governance group:
 1. maintenance of LADM in accordance to ISO requirements
 2. registry for various code lists (and web services for use)
 3. collect and disseminate best practices
 4. plan LADM related events (stand-alone or combined)
 5. check if system (model) is LADM conformant

Venue

- TU Delft, Sports & Culture, Mekelweg 8-10 / Theaterzaal (Building 38, orange building on left hand side when entering terrain)
- The following buses travel between Delft Central Station and the Unit Sports & Culture: Bus 40 and Bus 69 (get off at bus stop "TU - Sport en Cultuur")

