

The 6<sup>th</sup> Land Administration  
Domain Model (LADM) Workshop



16-17 March 2016  
Delft, the Netherlands



# LADM 2017 workshop

- Previous workshops
  1. March 2003, Enschede, the Netherlands
  2. December 2004, Bamberg, Germany
  3. November 2009, Quebec City, Canada
  4. July 2012, Rotterdam, the Netherlands
  5. September 2013, Kuala Lumpur, Malaysia
- Organized in collaboration with



# 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.

- <http://isoladm.org/ValuationQuestionnaire>
- Deadline 1 april

So far received completed questionnaires:

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)



## Research/ISO19152

### Major Webs

#### Research/ISO19152 Web

 Create New Topic

 Index

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 Changes

 Notifications

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 Preferences

#### Webs

DemoWeb

Education

AE4227

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

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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. Çagdas, A. Kara, P. van Oosterom, C. Lemmen, Ü. Isikdag, R. Kathmann, E. Stubkjær

#### [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](#)

# Agenda LADM workshop

- Day 1: 16 March 2017, Prepare revision of ISO 19152 (LADM)
  1. Opening Session: Welcome, Introduction
  2. LADM Country Profiles
  3. Experiences with LADM (STDM), version 1
  4. Possible Extensions Conceptual Model of LADM
- Day 2: 17 March 2017, Operational Standards in Land Admin
  5. Technical models LA (database schema, exchange formats,...)
  6. Best practices land administration implementation
  7. LADM, possible standardization beyond conceptual model?
  8. Panel discussion and Closing session



# 1. Opening Session

- Welcome Remarks
  - 1.1 **Frits van de Wal**, Ministry of Foreign Affairs, the Netherlands
  - 1.2 **Christiaan Lemmen**, Kadaster on behalf the FIG
- Short Introduction of Workshop Participants
  - 1.3 **All**
- Results of the UN-GGIM: EG-LAM, 14-15 March 2017
  - 1.4 **Kees de Zeeuw**, Kadaster
- White Paper and Concept Note/Background Paper
  - 1.5 **Christiaan Lemmen**, Kadaster
- Update procedure, needed corrections to LADM IS 19152:2012
  - 1.6 **Olaf Magnus Østensen**, ISO TC211