The 8th Land Administration Domain Model Workshop

Welcome to the homepage of the LADM 2019 workshop, Kuala Lumpur, Malaysia, 1-3 October 2019
A joint event with UDMS’s 4th International Conference on Smart Data and Smart Cities (SDSC2019) and Geospatial Geomatics Technology (GGT2019) as part of Geospatial Kuala Lumpur 2019, Hotel Istana.

Technical Programme and Proceedings

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Title page and other front matter of the Proceedings

Final programme 1 October 2019:
9:00-17:00 Tutorial Advanced 3D Modelling and Big Geo Data

Final programme 2 October 2019:
10:00-10:45 Technical Session IV: Foundations/Fundamentals (Chair: Chris Body)
- A1: Christian Lemmen, Peter van Oosterom, Abdullah Kasri, Etyfcha Kalogiani, Anna Shreadman, Agung Indriyanto, Abdullah Al Zahrani: The scope of LADM revision is shaping up
- A2: Erik Stubkjaer, Husein-Christoph Guiter, Scott Simmons and Volkan Dalgic: Code list management supported through a controlled domain vocabulary
- A3: Rod Thompson and Peter van Oosterom: A suggested Terminology for Point Like Entities in a B-Temporal Planning and Implementation of 3D and 2D Land Administration Data
- A4: Anna Shreadman, Peter van Oosterom and Christian Lemmen: LADM Refined Survey Model

10:30-12:15 Opening session: plenary with GGT, SDSC, LADM: opening and keynote 1
14:15-15:30 Plenary session with GGT, SDSC, LADM: keynote 4 and invited talk 1
15:30-16:30 Technical Session IV III: 3D/BIM (Chair: ski Zlatanova)
- A2: Shen Ying, Yi Fan, Chengang Li, Renhong Guo and Lin Li: Easement spatialisation with two cases based on BIM

16:30-17:15 Technical Session IV: Country Profiles/Implementations I (Chair: Jacynthe Pouliot)
- A2: Daniel Casaldon and Didgi Alvarez: The role of the LADM in the Transactional Era of Land Administration – Case: Colombia
- A3: Agung Indriyanto, Vinny Enrique, Babaian van Loenen, Anna Shreadman, Hendrik Peper and Peter van Oosterom: Implementation of the Spatial Planning Package for Construction of an LADM Country Profile: Reducing Asymmetric Access to information of RIRs in Indonesia

17:30-18:30 Technical Session IV: Modelling/Implementation I (Chair: Kees de Zeeuw)
- A1: Jacyrnet Pouliot, Claire Monney, Jens Ingenho and Suna Liao: How to quickly detect the overlap and the consistency between LADM with LandXML and LandOSS. Application of matching schema techniques
- A2: Christian Lemmen, Evi-Maria Unger, Mano Leipoden, Manos Bolas, Christiaan Lemmen and Rolf Bennett, Peter van Oosterom, Jaap Zevenbergen and Marthe Vraecken: Exploring and Assasuring STDM and LADM for gender equitable land administration
- A3: Evi Maria Unger, Rolf Bennett, Christian Lemmen, Jaap Zevenbergen, Paula Dijkstra and Kees de Zeeuw: LADM based models for sustainable development LO-DRM for disaster prone areas and communities (an example for SSDG I and SSDG II)
- A4: Peter Oukes, Christian Lemmen and Erwin Führer: An Approach to Interoperability Between LADM Profiled Implementations

Final programme 3 October 2019:
9:00-10:00 Technical Session IV: Country Profiles/Implementations II (Chair: Shen Ying)
- A1: Etyfcha Kalogiani, Mohsen Kalbarati, Ela Dimopoulos and Peter van Oosterom: LADM country profiles development: aspects to be reflected and considered
- A2: Nur Amalina Zulkifli, Alias Abdul Rahman and Mano Leipoden: Database Design and Development of 3D Cadastre Registration based on LADM
- A3: Abdullah Al Zahrani, Peter van Oosterom and Evi-Zlatanova: Initial Country Profile of the Kingdom of Saudi Arabia based on LADM

10:30-12:30 Plenary session with GGT, SDSC, LADM: keynotes 5-7 and invited talk 2
14:00-15:30 Technical Session V: Industry/Modelling (Chair: Rod Thompson)
- B1: Katherine Smyth: The Role of LADM in Contiguous Geographic Information Systems
- B2: Aurelie Milledouogoue, Igor Popov, Makavy Kaya and Carol Roffer: Uganda and Tanzania Land Administration Modernization Based on IT-Leap Concept
- B3: Theo Adrijs, I Ketut Gede Arsy Sukarya, Fajar Indra Nugroho, I Made Ngurah, I Made Lukman Sunil and Dayu: Lessons: Developing an LADM-compliant Mobile Data Collector for Accelerating Participatory Cadastre Mapping and Registration Activities
- LADM2019: Wrap-up and next steps within FIG: ISO TC211 and GSC

16:00-17:00 Closing session: plenary with GGT, SDSC, LADM: panel discussion, awards and closing

Background LADM2019

The focus of LADM2019 workshop will be on preparing input for second Edition (first Edition published as ISO 19152:2012). After the initial brainstorming on the second Edition of LADM at the 6th workshop (Workshop Agenda2017) and further scoping at the 7th workshop (LADM2018 Workshop) the result was submitted by FIG to ISO TC211 as a new work item proposal (NWIP) for the second Edition. It is now time to provide proposals for the new LADM parts. Based on current experiences and future expectations, the need and content of possible extensions will be addressed eg further modelling of LADM’s rights, restrictions and responsibilities; a fiscal valuation extension module; Marine Cadastre, more explicit relations with Building Information Modelling, further modelling of LADM’s survey and spatial representation and 3D/2D Cadastre. In addition, more and more attention will be paid to the Operational Standards in Land Administration. This includes addressing the technical models for LADM: INTERLIS, RDF, CityGML, IndoorGML, LandXML, VaccineXML, LandXML and GeoREML. Finally, also the aspects beyond Information models will be discussed.

Background LADM2018

The focus of LADM2018 workshop was on preparing input for second Edition (first Edition published as ISO 19152:2012). After the initial brainstorming on the second Edition of LADM at the 6th workshop (Workshop Agenda2017) and further scoping at the 7th workshop (LADM2018 Workshop) the result was submitted by FIG to ISO TC211 as a new work item proposal (NWIP) for the second Edition. It is now time to provide proposals for the new LADM parts. Based on current experiences and future expectations, the need and content of possible extensions will be addressed eg further modelling of LADM’s rights, restrictions and responsibilities; a fiscal valuation extension module; Marine Cadastre, more explicit relations with Building Information Modelling, further modelling of LADM’s survey and spatial representation and 3D/2D Cadastre. In addition, more and more attention will be paid to the Operational Standards in Land Administration. This includes addressing the technical models for LADM: INTERLIS, RDF, CityGML, IndoorGML, LandXML, VaccineXML, LandXML and GeoREML. Finally, also the aspects beyond Information models will be discussed.
Submission procedure

All submissions (extended abstracts of 500-1000 words) will be peer reviewed and all accepted contributions are expected to submit a full paper, which will be included in both the on-line and printed proceedings (available at the workshops), published by the FIG with ISBN/ISSN reference. All papers must be submitted via the [EasyChair](https://www.easychair.org) online system.

**Important dates**

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<tr>
<td>Extended abstract submission</td>
<td>25 May 2019</td>
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<tr>
<td>Acceptance notification</td>
<td>15 June 2019</td>
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<td>Camera-ready full paper</td>
<td>23 August 2019</td>
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<td>Workshop</td>
<td>1-3 October 2019</td>
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Registration and accommodation


Previous workshops

1. March 2003, Enschede, the Netherlands
2. December 2004, Bamberg, Germany ([http://www.wwf.uni-bamberg.de/SCDP](http://www.wwf.uni-bamberg.de/SCDP))
3. November 2005, Quebec City, Canada ([http://www.isotc211.org/WorkshopQuébec/CARIS_Workshop_Québec.html](http://www.isotc211.org/WorkshopQuébec/CARIS_Workshop_Québec.html))
4. July 2012, Rotterdam, the Netherlands ([WorkshopLADM2017Presentations](http://www.isotc211.org/WorkshopLADM2017Presentations))
5. September 2013, Kuala Lumpur, Malaysia ([PaperPresentations](http://www.isotc211.org/WorkshopLADM2017Presentations))
6. March 2017, Delft, the Netherlands ([WorkshopAgenda2017Presentations](http://www.isotc211.org/WorkshopLADM2017Presentations))
7. April 2018, Zagreb, Croatia ([LADM2018WorkshopPapersAndPresentations](http://www.isotc211.org/WorkshopLADM2018PapersAndPresentations))

Organized in collaboration with

[ISO](https://www.iso.org) | [OGC](http://www.opengeospatial.org) | [TU Delft](https://www.tudelft.nl)
The 8th Land Administration Domain Model Workshop (LADM2019)
1-3 October 2019 Kuala Lumpur, Malaysia

Scope

The focus of LADM2019 workshop will be on preparing input for second Edition of the Land Administration Domain Model (First Edition published as ISO 19152:2012). It is now time to provide proposals for the new LADM parts. Based on current experiences and future expectations, the need and content of possible extensions will be addressed; e.g., further modelling of LADM’s rights, restrictions and responsibilities, a valuation information package, a spatial planning information package, Marine Cadastre, more explicit relations with Building Information Modelling, further modelling of LADM’s survey and spatial representation and 3D/4D Cadastre. In addition, more and more attention will be paid to the Operational Standards in Land Administration. This includes addressing the technical models for LADM: INTERLIS, RDF, CityGML, indoorGML, LandInfra, InfraGML, LandXML, and BIM/IFC. Finally, also the aspects beyond information models will be discussed: Organization, Best practices, Legal/financial aspects, OpenCadastre approach, Crowd sourcing, Workflow modelling, Blockchain and ledger technologies.

Submission and selection

All submissions (extended abstracts of 500-1000 words) will be peer reviewed and all accepted contributions are expected to submit a full paper, which will be included in both the on-line and printed proceedings (available at the workshop), published by the FIG with ISBN/ISSN reference. All papers must be submitted via the EasyChair online system before 1 May 2019.

Organization

LADM2019 is organized by FIG, OGC en ISO TC211. LADM2019 is a joint event with UDMS’s 4th International Conference on Smart Data and Smart Cities (SDSC2019) and Geomatics Geospatial Technology (GGT2019) as part of Geospatial Kuala Lumpur 2019.

More information

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