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 IODES's 4th International Conference on Smart Data and Smart Cities (SDSC2019) and Geomatics Geospatial Technology (GIST2019) as part of Geospatial World Kuala Lumpur 2019, Hotel Istana.

Technical Programme and Proceedings
ISBN: 978-967-5853-82-0
ISSN: 2311-4923

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

Final programme 2 October 2019:
9:00-10:00 Technical Session I: Foundations/Fundamentals (chair: Chris Body)
• A1. Christian Lemmen, Peter van Oosterom, Abdullah Kar, Efthymia Kaliopanou, Anna Shnaidman, Agung Indraty, Abdullah Alsharif: The scope of LADM revision is shaping-up
• A2. Enrico Stedile, Hana Christopouli, Scott Simmons and Volkan Dalgic: Codex 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 Perspective of 2D and 3D Cadastre Data
• A4. Anna Shnaidman, Peter van Oosterom and Christian Lemmen: LADM Refined Survey Model
10:30-12:30 Opening session: plenary with GGT, SDGC, LADM: opening and keynotes 1-3
14:15-15:15 Plenary session with GGT, SDGC, LADM: keynote 4 and invited talk 1
15:15-16:15 Technical Session II: 3D BIM (chair: Sisi Zlatanova)
• B2. Shen Ying, Yitian Xu, Chenglong Li, Renhong Guo and Lin Li: Easement spatialization with two cases based on BIM
• B3. Abbas Rajabifard, Behnam Asadzadeh, Kh Min Yu, Mohsen Kalantari, Mohsen Rahimipour, Hamid Oifie, Farshad Badiee, Davood Shokri, Chen Keel Lim and Mohd Alias Mohd Jan: Design and implementation of a 3D National Digital Cadastre Database based on Land Administration Domain Model: Lessons Learned from a 3D Cadastre Project in Malaysia
16:30-17:15 Technical Session IIIa: Country Profiles/Implementations I (chair: Jacynthe Pouliot)
• C1. Xavier Monleix, Christian Lemmen, Rolf de By, Mathilde Molendijk, Ernst Peter Oosterom and Alvaro Enrique Ortiz Davila: On the Design of a Modern and Generic Approach to Land Registration: The Colombian Experience
• C2. Daniel Callander and Dada Alvarez: The role of the LADM in the transactional flow of Land Administration – Case: Colombia
• C3. Agung Indraty, Vino Eerste Jaya, Bastian van Loenen, Anna Shnaidman, Hendrik Pfeiffer and Peter van Oosterom: Implementation of the Spatial Planning Package for Construction of an LADM Country Profile: Reducing Asymmetric Access to Information of RRs in Indonesia
17:30-18:30 Technical Session IIIb: Modelling/Implementation (chair: Kees de Zeeuw)
• C4. Jacynthe Pouliot, Claire Monnery, Jens Ingenes and Suvir Laeterer: How to quickly detect the overlap and the consistency between LADM with LandXML and LandVox: Application of matching schemes techniques
• C5. Christian Lemmen, Eva-Maria Unger, Monica Lengoiboni, Marka Babna, Christiaan Lemmen, Rohan Bennett, Peter van Oosterom, Jaap Zevenbergen and Matthias Vriezen: Exploring and Assessing STDM and LADM for geospatially enabled land administration
• C6. Eva-Maria Unger, Rohan Bennett, Christian Lemmen, Jaap Zevenbergen, Paula Dijkstra and Kees de Zeeuw: LADM-based models for sustainable development LD-DRM for disaster prone areas and communities (an example for SDG 1 and SDG 13)
• C7. Peter Oosterom, Christian Lemmen and Erwin Föhrer: 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)
• D1. Efthymia Kaliopanou, Mohsen Kalantari, Elif Dinopoulou and Peter van Oosterom: LADM country profile development: aspects to be reflected and considered
• D2. Nur Amalina Zulkifli, Abbas Abdul Rahmain and Chengli Bernad Siew: Database Design and Development of 3D Cadastre Registration based on LADM
• D3. Abdullah Alsharif, Peter van Oosterom and Sisi Zlatanova: Initial Country Profile of the Kingdom of Saudi Arabia based on LADM
10:30-12:30 Plenary session with GGT, SDGC, LADM: keynotes 5-7 and invited talk 2
14:00-15:30 Technical Session V: Industry/Modelling (chair: Rod Thompson)
• E1. Katherine Smyth: The Role of LADM in Contiguous Geographic Information Systems
• E2. Aurelie Milledragues, Igor Popiv, Makayla Katryna and Carol Roffer: Uganda and Tanzania Land Administration Modernization Based on IT-Leap Concept
• E3. Tare Afifi, Ali Yousef and Ali Syam: A Mobile Data Collector for Accelerating Participatory Cadstral Mapping and Registration Activities
• E5. LADM2019 Wraps-Up and next steps within FIG, ISO TC211 and OGC
16:00-17:00 Closing session: plenary with GGT, SDGC, 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 Agenda 2017) and further scoping at the 7th workshop (LADM2019 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 visualisation extension module, 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, LandXML, IndoorLADM, and GeoBIM. Finally, also the aspects beyond Information models will be discussed.
LandXML and GeoBIM. Finally, also the aspects beyond Information models will be discussed: Organization, Best practices, Legal/financial aspects, OpenCadastre approach, Crowdsourcing, Workflow modelling, Blockchain and ledger technologies.

**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 online system.

**LADM2019 Template.doc**: Template for full paper (not yet needed for abstract, which is web form based).

**LADM2019 Instructions.pdf**: Instructions for formatting full paper LADM 2018.

**Important dates**

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extended abstract submission</td>
<td>25 May 2019</td>
</tr>
<tr>
<td>Acceptance notification</td>
<td>15 June 2019</td>
</tr>
<tr>
<td>Camera-ready full paper</td>
<td>22 August 2019</td>
</tr>
<tr>
<td>Workshop</td>
<td>1-3 October 2019</td>
</tr>
</tbody>
</table>

**Registration and accommodation**

See [website of Geospatial Kuala Lumpur 2019](#).

**Previous workshops**

1. March 2002, Enschede, the Netherlands
3. November 2005, Quebec City, Canada [http://www.iso211.org/WorkshopQuebec/LADM_Workshop_Quebec.pdf](http://www.iso211.org/WorkshopQuebec/LADM_Workshop_Quebec.pdf)
4. July 2012, Rotterdam, the Netherlands [WorkshopAgendaLAdM2012](http://www.iso211.org/WorkshopQuebec/LADM_Workshop_Quebec.pdf)
5. September 2013, Kuala Lumpur, Malaysia [FinalProgramme](http://www.iso211.org/WorkshopQuebec/LADM_Workshop_Quebec.pdf)
6. March 2017, Delft, the Netherlands [WorkshopAgenda2017](http://www.iso211.org/WorkshopQuebec/LADM_Workshop_Quebec.pdf)
7. April 2018, Zagreb, Croatia [LADM2018Workshop](http://www.iso211.org/WorkshopQuebec/LADM_Workshop_Quebec.pdf)

**Organized in collaboration with**

[Organizational logos]

---

*Note: The above text is a natural representation of the document content as per the guidelines.*
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 UDM’s 4th International Conference on Smart Data and Smart Cities (SDSC2019) and Geomatics Geospatial Technology (GGM2019) as part of Geospatial Kuala Lumpur 2019.

More information

Website: http://isocadim.org/LADM2019Workshop
Contacts: Chieh Limmen@kadaster.nl and
P.J.M van Oosterom@tudelft.nl