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 IUDM’s 4th International Conference on Smart Data and Smart Cities (SDSC2019) and Geomatics Geospatial Technology (GIST2019) as part of Geospatial Kuala Lumpur 2019, Hotel Ibis.

Technical Programme and Proceedings

ISSN 2311-8423

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 Karr, Efthymia Kalogian, Anna Shreshman, Agung Indratno, Abdullah Alattar: The scope of LADM vision is shaping up: PresA1
- A2 Erik Stubkjaer, Hao-Chiunnou Gouler, Scott Simmons and Volkmar Doldig: Code list management supported through a controlled domain vocabulary: PresA2
- A3 Rolf Thompson and Peter van Oosterom: A Suggested Terminology for Point-Like Entities in a Bi-Temporal Plotter: LADM Registration Data Model: PresA3
- A4 Anna Shreshman, Peter van Oosterom and Christian Lemmen: LADM Refined Survey Model

10:30-10:15 Opening session: plenary with GGT, SDSG, LADM: opening and keynote 1-3
14:15-15:10 Plenary session with GGT, SDSG, LADM: keynote 4 and invited talk 1
15:10-16:00 Technical Session II: 3D/BIM (chair: Sisi Zlatanova)
- B2 Shen Ying, Yifan Xu, Chenggeng Li, Renhong Guo and Lin Li: Easement spatialization with two cases based on BIM: PresB2
- B3 Abbas Rajefeld, Behnam Azadkia, Khi Meng Yip, Mohsen Kakarari, Misbeh Rahimpour, Harm Olef, Pascale Badies, Dastour Sheikhi, Chan Kei Lim and Mohit Agarwal Mohit: Design and implementation of a 3D National Digital CADestal Database based on Land Administration Domain Model: Lessons learned from a 3D Cadastre Project in Malaysia: PresB3

16:30-17:15 Technical Session IIIa: Country Profiles/Implementations I (chair: Jaap van der Molen)
- C1 Jovinee Moore, Christian Lemmen, Rob de By, Mahthile Malotjheid, Ernst Peter Oosterom and Alvaro Enrique Ortiz Claria: On the Design of a Modern and Generic Approach to Land Registration: The Colombian Experience: PresC1
- C2 Daniel Casadaban and Gadi Alavaro: The role of the LADM in the Transactional Flow of Land Administration – Case: Colombia: PresC2

17:30-18:30 Technical Session IIIb: Modelling/Implementation (chair: Kees de Zeeuw)
- C4 Jaaycine Pouliot, Claire Monnay, Jens Ingenes and Suara Lastive: How to quickly detect the overlap and the consistency between LADM with LandXML and LandMap: Application of a matching scheme techniques: PresC4
- C5 Palamarian Lemmen, Eva-Maria Unger, Monica Lengwiler, Marisa Batal, Christof Salk, Rohn Bennett, Peter van Oosterom, Jaap Zengeverber and Mathieu Vranken: Exploring and Assessing STDM and LADM for gender equitable land administration: PresC5
- C6 Eva-Maria Unger, Rohn Bennett, Christian Lemmen, Jaap Zengeverber, Paula Dijkstra and Kees de Zeeuw: LADM-based models for sustainable development LD-DRM for disaster prone areas and communities (an example for SGD 1 and SGD 1B): PresC6

- C7 Peter Oukes, Christian Lemmen and Erwin Fulmer: An Approach to Interoperability Between LADM Profiled Implementations: PresC7

Final programme 3 October 2019:
9:00-10:00 Technical Session IV: Country Profiles/Implementations II (chair: Shen Ying)
- D1 Efthymia Kalogian, Mohsen Kakarari, Eli Dimopoulos and Peter van Oosterom: LADM country profile development: aspects to be reflected and considered: PresD1
- D3 Abdullah Alattar, Peter van Oosterom and Eric Zlatanova: Initial Country Profile of the Kingdom of Saudi Arabia based on LADM: PresD3
- D4 Anna Shreshman, Peter van Oosterom, Shimon Barazani, Anar Mirzochi and Shuli Avni Shoham: LADM-based Israeli Country Profile: Toward Implementation of 3D Cadastre Registration: PresD4

10:30-12:30 Plenary session with GGT, SDSG, LADM: keynote 5-7 and invited talk 2
14:00-15:30 Technical Session V: Industry/Moulding (chair: Rolf Thompson)
- E1 Katharine Smyth: The Role of LADM in Configurable Geographic Information Systems: PresE1
- E2 Aurelie Milledrogues, Igor Popiv, Maksym Kalyta and Carol Roffer: Uganda and Tanzania LAnd Administration Modernization Based on IT-Leap Concept: PresE2
- E4 Padmakumara Milinda Piyasena Mudiyanselage: Agent-Based Simulation modeling Approach for Tissue Security Dynamics: PresE4
- E5 LADM2019 Workshop and next steps within FIG, ISO TC211 and OGC

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

Background LADM2019

The focus of LADM2018 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 workshopAgenda2017 and further scoping at the 7th workshop WorkshopAgenda2017 the workshop 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 Subtitle 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, LandGeM, and GML. 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, Crowd sourcing, 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.

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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<tr>
<td>Camera-ready full paper</td>
<td>22 August 2019</td>
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<tr>
<td>Workshop</td>
<td>1-3 October 2019</td>
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Registration and accommodation
See website of Geospatial Kuala Lumpur 2019.

Previous workshops
1. March 2002, Enschede, the Netherlands
3. November 2003, Quebec City, Canada ([http://www.isotc211.org/WorkshopQuebec/LADM_Workshop_Quebec.pdf](http://www.isotc211.org/WorkshopQuebec/LADM_Workshop_Quebec.pdf))
4. July 2012, Rotterdam, the Netherlands ([WorkshopLADMPresentations](http://www.isotc211.org/WorkshopLADMPresentations))
5. September 2013, Kuala Lumpur, Malaysia ([FinalProgramme](http://www.isotc211.org/WorkshopLADMPresentations))
6. March 2017, Delft, the Netherlands ([WorkshopAgenda2017](http://www.isotc211.org/WorkshopAgenda2017))
7. April 2018, Zagreb, Croatia ([LADM2018Workshop](http://www.isotc211.org/WorkshopAgenda2017))

Organized in collaboration with

[kadaster](http://www.kadaster.nl)
[OGC](http://www.opengeospatial.org)
[TU Delft](http://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, Crowdfunding, Workflow modelling, Blockchain and ledger technologies.

Submission and selection

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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 (GGT2019) as part of Geospatial Kuala Lumpur 2019.

More Information

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