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 Geomatics Geospatial Technology (GGST2019) as part of GeoSpatial Kuala Lumpur 2019, Hotel Melia.

Technical Programme and Proceedings

ISSN 2311-4423

01 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:

9:00-10:00 Technical Session I: Foundations/Fundamentals (chair: Chris Body)


A2 Daniel Cazadona and Dagul Alvarez: The Role of the LADM in the Transactional Flow of Land Administration – Case: Colombia

A3 Agung Indrath, Vinh Enestra Jaya,bastian van Loenen, Anna Shraimden, Hendrik Pleoger 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

10:30-11:30 Technical Session II: Country Profiles/Implementations I (chair: Jacyrle Poullot)

B1 Javier Monares, Christian Lemmen, Rolf de By, Mahdiya Molinj, Ernst Peter Oosterom and Alvaro Enrique Ortiz Davila: The Scope of LADM Revision is Shaping-up

B2 Shee Ying, Yihan, Chengguang Li, Ruirong Gu and Lin Li: Easement spatialisation with two cases based in BIM

B3 Adais Rajechar, Behnam Asadzad, Ali Meng Ying, Mohsen Kalatati, Mohsen Rahimipour, Hamid Oifie, Farkhod Badiey, Davood Shibley, Chen Kez, Lin and Mohd Azuan Mohd. An: 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

B4 Anna Shraimden, Peter van Oosterom and Christian Lemmen: LADM Refined Survey Model

14:15-15:10 Plenary session with GGT, SDSC, LADM: keynote and invited talk

15:30-16:30 Technical Session III: 3D/BIIM (chair: Shi Zlatanova)

C1 Jinga Yan, Kean Hsien Soon, Siow Wei Jaw and Garth Schotten: An LADM-based 3D Underground Utility Data Model: A Case Study of Singapore

C2 Shee Ying, Yihan, Chengguang Li, Ruirong Gu and Lin Li: Easement spatialisation with two cases based in BIM

C3 Adais Rajechar, Behnam Asadzad, Ali Meng Ying, Mohsen Kalatati, Mohsen Rahimipour, Hamid Oifie, Farkhod Badiey, Davood Shibley, Chen Kez, Lin and Mohd Azuan Mohd. An: 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

C4 Anna Shraimden, Peter van Oosterom and Christian Lemmen: LADM Refined Survey Model

16:30-17:15 Technical Session IIIa: Country Profiles/Implementations II (chair: Kees de Zeeuw)

D1 Marcelo Corpus and Dalgi Alvarez: The Role of the LADM in the Transactional Flow of Land Administration – Case: Colombia

D2 Agung Indrath, Vinh Enestra Jaya, bastian van Loenen, Anna Shraimden, Hendrik Pleoger 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)

E1 Jacyrle Poullot, Claire Monrey, Jens Ingenber and Suiua Lllte: How to quickly detect the overlap and the consistency between LADM with LandXML and LandInfra, Application of schema matching techniques

E2 Peter Ookkes, Christiaan Lemmen and Erwin Fulmer: An Approach to Interoperability Between LADM Profiled Implementations

E3 Peter Oockkes, Christiaan Lemmen and Erwin Fulmer: An Approach to Interoperability Between LADM Profiled Implementations

E4 Peter Oockkes, Christiaan Lemmen and Erwin Fulmer: An Approach to Interoperability Between LADM Profiled Implementations

18:30-19:30 Plenary session with GGT, SDSC, LADM: keynotes 5 and invited talk

19:45-20:30 Closing Session: plenary with GGT, SDSC, LADM: panel discussion, awards and closing

Background LADM2019

The scope of LADM2019 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 (LADM2018Workshop) 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 3D/4D extension module. 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, SimpleGML, LandXML, LandInfra, and GeoBBl. 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 online system.

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>(at least one author must be</td>
<td></td>
</tr>
<tr>
<td>registered)</td>
<td></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
2. December 2004, Bamberg, Germany [http://www.kinf.uni-bamberg.de/SCID/]
4. July 2012, Rotterdam, the Netherlands [WorkshopLADMPresentations]
5. September 2013, Kuala Lumpur, Malaysia [WorkshopAgenda2017 papers and presentations]
6. March 2017, Delft, the Netherlands [WorkshopAgenda2017 presentations]
7. April 2018, Zagreb, Croatia [LADM2018Workshop papers and presentations]

Organized in collaboration with

[Logos of Kadaster, OGC, and TU Delft]
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
Website: http://isocadim.org/LADM2019Workshop
Contacts: Chief Lenman@kualalipur@hotmail.com
P J M vanOosterom@tudelft.nl