Land Infra

Land Administration. This includes addressing the technical models for LADM: INTERLIS, RDF, Cadastre, more explicit relations with Building Information Modelling, further modelling of LADM’s survey and spatial New Work Item proposal (NWIP) for the second Edition. It is now time to provide proposals for the new LADM parts.

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 (19152:2012), the result was submitted by FIG to ISO TC211 as a Further Work Item Proposal (FWIP). The output of the workshop (LADM2019 Workshop) included the development of LADM country profiles and implementations.

10:30-10:45 Opening session: plenary with GGT, SDSC, LADM: opening and keynote 1-3

11:00-13:00 Technical Session I: Foundations/Fundamentals (chair: Chris Body)
- A1: Christian Lemmen, Peter van Oosterom, Abdullah Kara, Efthyca Kalogianis, Anna Shnaidman, Agung Indrati, Abdullah Alatibi: The scope of LADM revision is shaping up
- A2: Erik Stubkjær, Hans-Christian Guider, 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 Bi-Temporal Representation of 2D and 3D Cadastre Data
- A4: Anna Shnaidman, Peter van Oosterom and Christian Lemmen: LADM Refined Survey Model

15:00-16:00 Technical Session II: 3D BIM (chair: Skri Zlatanov)
- B1: Jingga Yan, Kuan Huat Soon, Seow Wai Jwee and Gerhard Schottner: An LADM-based 3D Underground Utility Data Model: A Case Study of Singapore
- B2: Shen Ying, Yin Tian, Qingsheng Li, Renhui Guo and Lin Li: Easement spatialisation with two cases based on BIM
- B3: Abbas Rajabljou, Behnam Azadgilizadeh, Kh Meng Yip, Mohsen Kakaraban, Mohsen Rahimipour, Hamid Olie, Fatemeh Badiee, Davood Sheikha, Cheol Koo Lim and Mohit Azua Mond: E2: 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: Peter Oukes, Christiaan Lemmen, and Erwin Fulmer: An Approach to Interoperability between LADM and ICMS

16:30-17:15 Technical Session IIIa: Country Profiles/Implementations I (chair: Jacynthe Pouliot)
- C1: Javier Monales, Christian Lemmen, Rolff de By, Mahatide Molinjon, Ernst Peter-Olaf Bierbrodt and Alvaro Enrique Ortiz Chauca: On the Design of a Modern and Generic Approach to Land Registration: The Colombian Experience
- C2: Danko Cipidjanovic and Dalgi Alvarez: The Role of the LADM in the Transactional Flow of Land Administration – Case: Colombia
- C4: Eva-Maria Unger, Rohan Bennett, Christian Lemmen, Jaap Zavenbergen, 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)
- C5: Peter Oukes, Christian Lemmen and Erwin Fulmer: An Approach to Interoperability Between LADM Profiled Implementations

17:30-18:30 Technical Session IIIb: Modelling/Implementation II (chair: Kees de Zeeuw)
- D1: Jacynthe Pouliot, Claire Monney, Jens Ingensand and Surat Liemter: How to quickly detect the overlap and the consistency between LADM with LandXML and Land2DXML: Application of schema matching techniques
- D2: Christian Lemmen, Eva-Maria Unger, Martina Langenham, Manika Biash, Chris Sted, Rohan Bennett, Peter van Oosterom, Jaap Zavenbergen and Mathias Vraecken: Exploring and Assessing STDM and LADM for geospatial cloud-based land administration
- D3: Eva-Maria Unger, Rohan Bennett, Christian Lemmen, Jaap Zavenbergen, 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)
- D4: Peter Oukes, Christian Lemmen and Erwin Fulmer: An Approach to Interoperability Between LADM Profiled Implementations

19:00-21:00 Plenary session with GGT, SDSC, LADM: panel discussion, awards and closing session
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.

LADM2019_Template.doc: template for full paper (not yet needed for for abstract; which is web form based).

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 (at least one author must be registered)</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 2003, Enschede, the Netherlands
2. December 2004, Bamberg, Germany (http://www.kinf.wiai.uni-bamberg.de/SCID/)
3. November 2005, Quebec City, Canada (http://www.isotc211.org/WorkshopQuebec/LADM_Workshop_Quebec.pdf)
4. July 2012, Rotterdam, the Netherlands (WorkshopLADMPresentations)
5. September 2013, Kuala Lumpur, Malaysia (FinalProgramme papers and presentations)
6. March 2017, Delft, the Netherlands (WorkshopAgenda2017 presentations)
7. April 2018, Zagreb, Croatia (LADM2018Workshop papers and presentations)

Organized in collaboration with

[Images of logos for IS0/TC 211, OpenGeo 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: INTELIIS, RDF, CityGML, IndoorGML, LandInfra, InfraGML, LandXML, and BIM/IFC. Finally, also the aspects beyond information models will be discussed: Organization, Best practices, Legal/finanical 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

Contacts: Chief_Lemmer@kliaestark.nl

P.J.M.vanDort[@]ludolf.nl