

From: Peter van Oosterom P.J.M.vanOosterom@tudelft.nl

Subject: Re: PS (to LADM workshop presentations on-line)

Date: 05 April 2017 at 09:24

To: Olaf Magnus Østensen Olaf.Ostensen@kartverket.no, Wasström Christina Christina.Wasstrom@lm.se, Jeanne Foust jfoust@esri.com

Cc: Lemmen, Chrit chrit.lemmen@kadaster.nl, kees.zeeuw@kadaster.nl, Saeid Mohsen Kalantari Soltanieh saeidks@unimelb.edu.au, Jean Brodeur geosemanticresearch@gmail.com, Thérèse Andrén (SIS) Therese.Andren@sis.se, Morten Borrebæk Morten.Borrebæk@kartverket.no, Denise McKenzie dmckenzie@opengeospatial.org, chris.body@inet.net.au, Antony Cooper ACooper@csir.co.za, Serena Coetzee serenacoetzee@gmail.com

PV

Dear Olaf,

Thanks for your elaborate response. The multi-part standard would make sense if we extend the scope (and if we do so then a stage 0 project seems appropriate). Note that STDM, in conceptual model sense, is already part of current version of ISO 19152 (annex I).

Not sure if having both a short-term and long-term revision is motivating, also depends on scope and multi-parts. From last LADM workshop (see slide 6 of http://wiki.tudelft.nl/pub/Research/ISO19152/WorkshopAgenda2017/8_9_LADM_prelim_decisions.pdf):

Multi-part LADM standard, ISO 19152:2020

Some initial thoughts on possible parts

- Part 0: Core (update current version LADM)
- Part 1: Potential conceptual model extensions
- Part 2: LADM Profiles
- Part 3: Application schema, technical models & encodings
- Part 4: Process & workflow standardization

- Sample implementation (open and closed source)



So, scope could be extended in different directions: **1. conceptual model** (Fiscal/valuation extension module, More explicit semantics of code list values, Further modelling LADM's rights, restrictions, responsibilities (RRRs), Further modelling of LADM's survey and spatial representation, SDG Indicators (aggregated values at different levels), 3D/4D Cadastre, Spatial planning/zoning with legal implications, LADM in support to Marine Cadastre (esp. coastal zones), More explicit relations with Building Information Modelling (BIM), Other legal spaces: mining, archaeology, utilities,...), **2. LADM Profiles** (Methodology to define profiles, STDM, Sample country profiles), **3. Application schema, technical models & encodings** (Existing xxxML's: CityGML, IndoorGML, InfraLand (InfraGML), LandXML, Own/new LA xxxML (...LAML), (Geo)BIM/IFC, INTERLIS, Linked data (RDF), GeoJSON,...), **4. Process & workflow standardization** (Initial registration (legal+spatial), Transactions: complete parcel, split of parcel, reallocation, Information delivery (mass, individual), Survey workflow (best practices, incl. use of imagery, BIM, topo), SDI, create/maintain references (buildings, utilities, spatial plans,...), Blockchain and ledger technologies (ISO TC307),...). Also, very important are the **sample implementations** (open and closed source), perhaps developed in OGC Innovation Program.

If revision could be a joint ISO/TC211 and OGC activity (depending on actual scope with expert input from FIG, IHO, ISPRS, UN-GGIM: EG-LAM, Worldbank, UN-Habitat, legal associations, etc.) that would be great. Not sure what is feasible, next opportunities for further discussing this are: ISO/TC211 in Stockholm, FIG WW (both 29 may – 2 june...), and OGC TC/PC in St. John's, Newfoundland, Canada (26-30 jun). Should FIG make new NWIP and submit to both ISO/TC211 and OGC?

Kind regards, Peter.

On 24-3-2017 1:26, Olaf Magnus Østensen wrote:

Dear all,

a few comments from me, and I have also included Thérèse Andrén as this is about ISO directives and policies, and also a few other persons. I have not reflected on the relevant audience, so please feel free to distribute further!

I want to comment the issue of 'joint work' between ISO/TC 211 and OGC, and also some viewpoints on the possible revision

OT ISO 19152 LADM.

First, just a thanks to Peter, Chrit, Kees and others for the very good and interesting workshop in Delft last week! It brought up a range of issues, many of which I think we cannot deal with in the short time, but should be essential for future discussions.

So, to the issue of collaboration between ISO/TC 211 and OGC. This is formally governed by the co-operative agreement between ISO and OGC approved many years ago. One essential fact here, is that ISO/CS (Central Secretariat) in Geneva and the ISO legal officers were consulted and approved. The text is in ISO/TC 211 N643, it was approved by the TC in document N 576 (October 1999), and forwarded thereafter to ISO/CS. I don't think we have a formal document reflecting the approval in Geneva – but it was!

With respect to 'joint work' (I come back to this concept below), the essence is that if OGC submits an Industry Implementation Specification (the term used for OGC standard in those days) to ISO for processing into an ISO standard (or other ISO deliverable), both organisations have the right to publish the final document under their own copyright rules. Thus, identical text – different front page. The OGC version will be available free of charge, the ISO version will have to follow ISO rules and be charged for (unless explicitly otherwise stated – which has not happened with our standards). When I write 'joint work' in '...', I mean documents processed under this rule.

Of, course we can have joint work (in the general sense) with OGC and any other member body and liaison, just meaning that a group consisting of members from these organization work together on developing the text. In these cases, the resulting document is fully under ISO copyright, and can only be published by ISO or in explicit agreement with ISO. This applies even if a liaison, like OGC, propose the work (is proposer of the NWIP), and regardless of who is the nominated project leader.

Example, FIG proposed LADM, but has no 'ownership' to the resulting ISO 19152. A revision of ISO 19152 will thus also remain under ISO copyright regardless of who initiate the new work on the revision, and regardless of who will be the project leader. But, again, any member or liaison member are of course encouraged to take part in the work – joint work, in the general sense.

Back to LADM and the possible revision: Based on the discussions in Delft I will propose a concrete way forward. I will not elaborate extensively on the arguments as they are not based upon any deep thinking from my side, and can easily be changed one way or the other.

There are two main goals I want to achieve; 1) a fairly quick revision to respond to immediate needs; 2) a longer term goal to cover land administration more comprehensively.

The short-term revision could be to initiate a NWIP along the following lines – possibly as a multipart standard:

1. correct errors in the current version and improve clarity where needed (ref. Peter's website at isoladm.org), and keep this as a 'core', but comprehensive, part. This also include reflect the other updated standards that LADM builds on, e.g. ISO 19107 (but also 19103, 19109, etc.).
Could inclusion of the full 3D model of ISO 19107 be an easy extension here?
2. add a model for taxation and validation (either as an annex, or – better – as a new part
3. add a simplified model for developing countries, ref. fit-for-purpose LADM, or – a more exciting possibility – add a slightly re-worked STDM as a new part? Only the model and specification, not the software. This would require acceptance from FIG and possibly other stakeholders of STDM, and in accordance with the cooperative agreement with OGC, it should be possible to obtain agreement with ISO/CS that this part could be jointly published within the rules of ISO and also the rules of these other stakeholders, e.g. FIG, and therefore become available free of charge.

Although being a fairly comprehensive amount of work, it seems to me that it could be done in parallel and perhaps with more or less the same set of people. If it is too much, parts of the above could be moved to the next step described below.

The longer-term work could be initiated as a Stage 0 project, e.g. named Land governance (the name following a suggestion by Chrit). In the Stage 0 work we could develop a road map for longer term work needed in this field, following the success we had with a similar approach for Addressing (now the multipart ISO 19160-standard). In this work, we could also explore the idea I mentioned in Delft that some work could be proposed for other standards bodies and organisations, like OGC. In this work, we would have to look into marine cadaster and other marine aspects, planning and land use aspects, conformance testing beyond abstract test suites, blockchain and ledger technologies, and a range of the other ideas that were presented in Delft. The result of the Stage 0 project is a Review summary describing what to be done. This could also be the start of a rolling roadmap.

I stop here, it is time for me to go to bed! I look forward to the continued discussion!

Best regards,
Olaf

Fra: Wasström Christina <Christina.Wasstrom@lm.se>

Dato: torsdag 23. mars 2017 16.09

Til: Jeanne Foust <jfoust@esri.com>, Peter van Oosterom <P.J.M.vanOosterom@tudelft.nl>, Olaf Magnus Østensen <Olaf.Ostensen@kartverket.no>

Vari: "Lemmen, Chrit" <chrit.lemmen@kadaster.nl>, "Kees Zeuw" <kees.zeuw@kadaster.nl>, Said

Kopii: Lemmen, Chrit <chrit.lemmen@kadaster.nl>, kees.zeeuw@kadaster.nl, saeidks@unimelb.edu.au, Saeid Mohsen Kalantari Soltanieh <saeidks@unimelb.edu.au>, Jean Brodeur <geosemanticresearch@gmail.com>
Emne: SV: SV: PS (to LADM workshop presentations on-line)

Dear all,

I will look into this and come back to you.

Best regards
Christina

Från: Jeanne Foust [<mailto:jfoust@esri.com>]

Skickat: den 23 mars 2017 09:35

Till: Peter van Oosterom <P.J.M.vanOosterom@tudelft.nl>; Wasström Christina <Christina.Wasstrom@lm.se>; Olaf Magnus Østensen <Olaf.Ostensen@kartverket.no>

Kopia: Lemmen, Chrit <chrit.lemmen@kadaster.nl>; kees.zeeuw@kadaster.nl; Saeid Mohsen Kalantari Soltanieh <saeidks@unimelb.edu.au>; Jean Brodeur <geosemanticresearch@gmail.com>

Ämne: Re: SV: PS (to LADM workshop presentations on-line)

Thank you, Peter.

What I was suggesting is quite simple: let's quickly investigate if there are any barriers to doing this work jointly with OGC. We don't want to slow down any momentum, but if it is possible from ISO's point of view, the next phase of work could be done in cooperation with OGC.

Including my JAG fellow co-chair, Jean Brodeur.

Very good session, Peter, congratulations.

Jeanne (Foust)

From: Peter van Oosterom <P.J.M.vanOosterom@tudelft.nl>

Date: Thursday, March 23, 2017 9:14 AM

To: Wasström Christina <Christina.Wasstrom@lm.se>, Olaf Magnus Østensen <Olaf.Ostensen@kartverket.no>

Cc: "Lemmen, Chrit" <chrit.lemmen@kadaster.nl>, "kees.zeeuw@kadaster.nl" <kees.zeeuw@kadaster.nl>, Saeid Mohsen Kalantari Soltanieh <saeidks@unimelb.edu.au>, Jeanne Foust <jfoust@esri.com>

Subject: Re: SV: PS (to LADM workshop presentations on-line)

Dear Christina: Thanks for participation in the workshop workshop. I'm looking forward to good cooperation during revision of LADM (ISO 19152).

Dear Olaf/Christina: at LADM workshop last week we discussed the possibility to make LADM a joint ISO/OGC standard, but Olaf stated that this was not possible (as original version was from ISO with FIG input). During OGC DWG land admin, this issue was raised again by Jeanne Foust (from the ISO/TC 211 – OGC Joint Advisory Group (JAG)) and she explained that there were past examples of ISO standards also becoming joint ISO/OGC standards during revision; e.g. land cover. Therefore, it was advised that FIG waits with submitting NWIP, until procedure is clear. I could imagine that in the NWIP document for starting revision, FIG indicates that joint ISO/OGC standard is the goal, and that this has the support of FIG (and UN-GGIM: EG-LAM) and send this to both ISO/TC211 and OGC. So, I'm curious what are the possibilities/ rules/ procedures here. With this input it can then be further discussed in Helsinki during next FIG WW (end of may/begin june).

Kind regards, Peter.

On 21-3-2017 13:58, Wasström Christina wrote:

Dear Peter,

Thank you very much for a very interesting workshop, as a newcomer in this field I learned a lot.

Best regards
Christina

Christina Wasström
National SDI Co-ordinator (INSPIRE NCP)
ISO/TC 211 chair

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P This message contains 100% recycled electrons

Från: Peter van Oosterom [<mailto:P.J.M.vanOosterom@tudelft.nl>]

Skickat: den 18 mars 2017 20:29

Kopia: kees.zeeuw@kadaster.nl; Lemmen, Chrit <chrit.lemmen@kadaster.nl>; Unger, Eva <Eva.Unger@kadaster.nl>; Elfriede Fendel - OTB <E.M.Fendel@tudelft.nl>

Ämne: PS (to LADM workshop presentations on-line)

PS. On the website, now also a short 'Summary of Preliminary Workshop Decisions/Proposals' is added (was skipped yesterday, but good to remember the main results); see http://wiki.tudelft.nl/pub/Research/ISO19152/WorkshopAgenda2017/8_9_LADM_prelim_decisions.pdf

On 17-Mar-17 22:55, Peter van Oosterom wrote:

Dear LADM workshop participant,

Thanks for the enthusiastic and active participation during the LADM workshop these last two days in which we explored the contours of the revision of LADM.

The pdf's of the presentations are now on-line available at <http://isoladm.org/WorkshopAgenda2017> (click on the number of the presentation before name of presenter). May be good to double check your own presentation.

Have a safe travel, a nice relaxing weekend, and next week a good Worldbank conference or OGC TC meeting or back to normal activities.

Kind regards, on behalf of the organizing team, Peter van Oosterom.

On 13-Mar-17 21:15, Peter van Oosterom wrote:

Dear LADM workshop participant,

In this email you will find the last updates related for the LADM workshop, 16-17 March 2017, Delft, The Netherlands. First of all, thanks for your inputs, based on this the final programme has been composed and is on-line available at <http://isoladm.org/WorkshopAgenda2017> (and also included below). Note that in the programme, all introductions (short presentations) now also have a session+sequence number for ease of reference.

The venue is TU Delft, Sports & Culture, Mekelweg 8-10 / Theaterzaal (Building 38, orange building on left hand side when entering the terrain of Sports & Culture). For TU Delft buildings on a map see http://www.gdmc.nl/address/TUDelft_campus_map.pdf. Travel instructions <http://www.tudelft.nl/en/about-tu-delft/contact-and-accessibility/housing-tu-delft/>. If you are coming by public transport, take the train or bus to Delft Central Station. The following buses travel between Delft Central Station and the Unit Sports & Culture: Bus 40 and Bus 69 (get off at bus stop "TU - Sport en Cultuur"). For more information see [Journey planner 9292](#).

If you give a short introduction/ presentation, make sure to put your presentation on the computer in the room during the break before your session (and if possible start it with the number of your session and introduction; e.g. 3_2_Paul_Saers.ppt). Remember, the introductions are intended to briefly describe the relevant aspects of a specific topic (as start of the discussion on this topic among workshop participants). So, very short, max 3 slides, 5 minutes (do not forget that the workshop participants are all experts).

In order to prepare your self, please find attached a pdf with background information as prepared by Elfriede Fendel (you will also receive a hardcopy at the workshop):

- Motivation of the Participants in the 6th Land Administration Domain Model Workshop,
- Initial draft version of the OGC White Paper on Land Administration (to be introduced by Christiaan Lemmen during workshop), and
- Overview LADM Related Publications (at earlier Workshops, Conferences and in Journals and Magazines).

The list of LADM/STDM publications is also available on-line at <http://isoladm.org/LadmPublications> and in most cases including pdf's of the papers. If you know of a missing publication which should be added to this list

paper or journal or a missing presentation, which should be added to this list, please send it to me.

One of the workshop topics is exploring a LADM based Valuation Module. In order to get an impression of the status in various countries, a questionnaire has been designed. This has been completed by several countries; see <http://isoladm.org/ValuationQuestionnaire>. If your country is not yet involved, please consider to participate and complete the questionnaire before 1 April 2017 (the mentioned website also contains an empty questionnaire).

As the workshop is the start of the revision of ISO 19152, it is good to have a look at the reported remarks/ issues related to the first version of LADM. The website <http://isoladm.org/StandardMaintenance> contains a list of issue. If you know more issues, please let me know, and they will be added to the list.

Do not expect too much, but at the moment it is actually quite nice weather in Delft (ok, relatively speaking). So, let's hope it stays this nice and this will then be a good environment to enjoy, to learn a lot, to discuss in openness, and to create together the foundation for LADM Edition II.

Kind regards, on behalf of the organizing team, Peter van Oosterom.

PS. From <http://isoladm.org/WorkshopAgenda2017>

The 6th Land Administration Domain Model (LADM) Workshop

All introductions are flash-style to prepare for discussion: max 3 slides, 5 minutes, followed by 5 minutes discussion. Session moderator decides on possible grouping of introductions/discussions.

Draft Programme 16 March 2017

Prepare the revision of ISO 19152 (LADM)

The main purpose of the workshop day 1 is to bring together the experts in the field in order to prepare the revision of ISO 19152.

08.30 – 09:00 Arrivals and Registration

09.00 – 10:30 1. Opening Session

Moderator: Peter van Oosterom, TU Delft

- Welcome Remarks
 - 1.1 Frits van de Wal, Ministry of Foreign Affairs, the Netherlands
 - 1.2 Christiaan Lemmen, Kadaster on behalf of International Federation of Surveyors (FIG)
- Short Introduction of Workshop Participants
 - 1.3 All
- Land Rights for All - Results of the UN-GGIM: EG-LAM, 14-15 March 2017
 - 1.4 Kees de Zeeuw, Kadaster
- White Paper and Concept Note/Background Paper
 - 1.5 Christiaan Lemmen, Kadaster
- Update procedure, needed corrections/improvements to LADM IS 19152:2012
 - 1.6 Olaf Magnus Østensen, ISO TC211

10:30 – 11:00 Coffee break

11:00 – 12:30 2. LADM Country Profiles

Moderator: Kees de Zeeuw, Kadaster

- Country profiles, (planned) realization, national models LADM compliant
 - 2.1 Markku Markkula, Finland
 - 2.2 Paul Egesborg, Canada
 - 2.3 Mahashe Chaka, Lesotho
 - 2.4 Nikola Vučić, Croatia
 - 2.5 Jarosław Bydłosz, Poland
 - 2.6 Karel Janecka, Czech Republic
 - 2.7 Amalia Velasco Martín-Varés, Spain
 - 2.8 Efi Dimopoulou, Greece
 - 2.9 Christiaan Lemmen, Mozambique
 - 2.10 Christiaan Lemmen, Colombia

12:30 – 13:30 Lunch

13:30 – 15:00 3. Experiences with LADM (STDM), Version 1

Moderator: [Kees de Zeeuw, Kadaster](#)

- GLTN Input for the LADM: The Social Tenure Domain Model (STDM)
 - 3.1 Cyprian Selebalo, UN-Habitat GLTN,
 - 3.2 Paul Saers, Kadaster
- FIG YSN - Ambassadors for STDM
 - 3.3 Eva-Maria Unger, FIG YSN
- Industry/Open Source Implementations
 - 3.4 Christian Timm, Hansa Luftbild AG
 - 3.5 Brent Jones, Esri USA

15:00 – 15:30 Coffee Break

15:30 – 17:00 4. Possible Extensions Conceptual Model of LADM

Moderator: [Denise McKenzie, OGC](#)

- Further Modelling of LADM RRRs, Classes
 - 4.1 Hendrik Ploeger, TU Delft
- Explicit Semantics of Code List Values in LADM
 - 4.2 Jesper Paasch, University of Gävle
- A Fiscal/Valuation Extension Module
 - 4.3 Ruud Kathmann, Dutch Council for Real Estate Assessment
- LADM in Support to Marine Limits and Boundaries, IHO S121
 - 4.4 Thijs Ligteringen, Netherlands Hydrographic Service
- More Explicit Relations with Building Information Modelling, BIM/IFC
 - 4.5 Mohsen Kalantari, University of Melbourne
- Refined LA_Level Modelling (Strata Titles, Archaeological Spaces,...)
 - 4.6 Eftychia Kalogianni, NAMA Consulting Engineers and Planners S.A.
- Further Modelling of LADM's Survey and Spatial Representation
 - 4.7 Eric Hagemans, Kadaster
- Underground RRRs
 - 4.8 Sangmin Kim, South-Korea
- 3D/4D Cadastre
 - 4.9 Peter van Oosterom, TU Delft

17:00 – 17:30 Wrap up

17:30 – 18:00 Buffer time

19:00 Dinner at Restaurant 't Postkantoor

Draft Programme, 17 March 2017

Operational Standards in Land Administration

The main purpose of the workshop day 2 is to bring together the experts in the field in order to arrive at operational standards (based on ISO 19152 where appropriate).

09:00 – 10:30 5. Technical Models LA (Database Schema, Exchange Formats, ...)

Moderator: [Denise McKenzie, OGC](#)

- Introduction of the OGC and the OGC Land Administration Domain Working Group,
 - 5.1 Denise McKenzie, OGC
- [CityGML](#)
 - 5.2 Thomas Kolbe, TU Munich
- [IndoorGML](#)
 - 5.3 Sisi Zlatanova, TU Delft
- [LandInfra \(InfraGML\)](#)
 - 5.4 Tarja Myllymäki, National Land Survey of Finland
- [LandXML](#)
 - 5.5 Mohsen Kalantari, University of Melbourne
- (Geo)BIM
 - 5.6 Jennifer Oldfield, MSc GIMA
- INTERLIS
 - 5.7 Eftychia Kalogianni, NAMA Consulting Engineers and Planners S.A.

10:30 – 11:00 Coffee Break

11:00 – 12:30 6. Best Practises Land Administration Implementation

Moderator: [Denise McKenzie, OGC](#)

- From UN-GGIM: EG-LAM to LADM (ISO) to OGC
 - 6.1 Kees de Zeeuw, Kadaster
- Information Infrastructure Approach
 - 6.2 Olaf Magnus Østensen, European Location Framework, Norway
 - 6.3 Ellen Vos, Marine SDI (incl. Marine Spatial Planning), Netherlands Hydrographic Service
- Remote Sensing for Parcel Boundaries
 - 6.4 Mila Koeva, Twente University, ITC
- STDM fit for Current Issues
 - 6.5 Eva-Maria Unger, Twente University, ITC

12:30 – 13:30 Lunch

13:30 – 14:30 7. LADM, possible standardization beyond conceptual model?

Moderator: [Denise McKenzie, OGC](#)

- Linking New Survey Data Acquisition Methods and Maintenance
 - 7.1 Carline Amsing, MSc GIMA
- Standardized Workflow for Processing Survey Data
 - 7.2 Pieter Soffers, Kadaster
- Optimized Process Modelling
 - 7.3 Christiaan Lemmen, Kadaster
- Workflow Modelling using BIM/Information Delivery Manual

- 7.4 Jennifer Oldfield, MSc GIMA
- Blockchain and Ledger Technologies (ISO/TC 307) for Effective Land Administration
 - 7.5 Manohar Velpuri, Trade Land and Finance (TLF) Tech Consortium

14:30 – 15:00 Coffee Break

15:00 – 16:30 8. Panel discussion and Closing session

Moderator: Kees de Zeeuw, Kadaster

- Coordination between ISO, OGC, FIG, IHO, ISPRS, UN-GGIM: EG-LAM, WB, UN Habitat GLTN and FAO
 - 8.1 Christina Wasström and Olaf Magnus Østensen, ISO
 - 8.2 Denise McKenzie , OGC
 - 8.3 Christiaan Lemmen, FIG
 - 8.4 Paul Egesborg, IHO
 - 8.5 Mila Koeva, ISPRS
 - 8.6 Mahashe Chaka, UN-GGIM: EG-LAM
 - 8.7 Cyprian Selebalo, UN-Habitat GLTN
- White Paper Operational Domain Standards for Land Administration
 - 8.8 Christiaan Lemmen, Kadaster
- Summary of Preliminary Workshop Decisions/Proposals
 - 8.9 Peter van Oosterom, TU Delft
- Summary OGC
 - 8.10 Denise McKenzie , OGC
- Wrap-Up and Next Steps

16:30 Farewell

On 01-Mar-17 17:37, Peter van Oosterom wrote:

Dear LADM workshop participant,

First of all sorry for this not so very personal email, as it will be send to all persons with a possible contribution to the LADM workshop, 16-17 March 2017, Delft, The Netherlands.

Good news is that we are at the maximum capacity of our workshop (35 persons). We think the expertise of the persons that registered is of world-wide top-quality. The LADM workshop starts in just 2 weeks from now, so the organizers are busy with last preparations and we need your input for this.

Based on your expertise and motivation to participate in the 6th LADM workshop and the original workshop agenda, an initial *draft programme* has been composed and is now on-line at <http://isoladm.org/DraftProgramme> (and also included below).

Please do check if you agree with:

- your role to be one of the topic 'introducers' (flash presenters)
- the title of introduction, is this appropriate (if not provide better version)

Note that you may have multiple roles in the programme. Further, we are open for further suggestions as we may have missed crucial elements for the workshop. So, if you want to add (or change) items to the programme, inform us and we will try to include this in the final programme.

There will be no proceedings, but to document the workshop it is the intention to:

- make all short presentations available (via the LADM website), if you want also some short notes could also be made public in this manner.
- create white paper, containing the essence/ results of workshop

- overview of participants and motivation (if you agree also on-line at least in hardcopy)

Kind regards, on behalf of the organizing team, Peter van Oosterom.

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