

23-03-2021

# W3C LBD CG

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Group Discussion



# Agenda

- Intro: Formats for CG calls
- **Elevator Pitch** by Vladimir Alexiev
- **Results of voting**
  - Initiation of a ‘Working Group’
  - Future formats for CG calls
- Intro to new format: ‘**Elevator Pitches**’
- Intro to new format: ‘**Focus Group Workshops**’
- **Best Practices for Publishing Ontologies** - by Mathias Bonduel
- **Open action items** (GitHub Issues) - by Mathias Bonduel
- Further discussion points

# Intro: Formats for CG calls

- Bi-weekly Meetings
  - Tuesdays, 5 - 6.30 p.m. CET / CEST
- Contents:
  - Introduction to new participants
  - Invited speakers' presentation & Discussion
  - Group Discussion
  - **Future formats**
- Minutes:
  - Contribution as Google Doc
  - Published on LBD CG Website & GitHub
- Moderation:
  - Chairs (rotation)

## Future formats for LBD CG calls

1. **Elevator Pitches** (EvP)
  - by interested participants
  - at the start of regular LBD CG calls
  - 5 minutes / 2-3 slides
2. Focus Group Workshops (FG Workshop)
3. Focus Group Exchange Calls (FG eCall)
4. PhD Talks (PhD Talk)

# Elevator Pitch No.1

- HORIZON-CL4-2021  
-TWIN-TRANSITION-01-10:

Digital permits and compliance checks for  
buildings and infrastructure (IA)

Vladimir Alexiev

- PhD, PMP
- Chief Data Architect at Ontotext
- Contact
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# Results of voting

- **Do we want to become a ‘Working Group’?**

Voting: LBD CG Call 09/02/2021 18 votes  
Voting form 3 votes

Options:	Abstention	CG alone	WG alone	CG & WG
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Result:	2	1	1	17
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# Results of voting

## Community Group

- Socialising ideas and research topics
- Specification Drafts & **CG Reports**
- Self-determined
- Open, public, no fees
- Unlimited duration
- Timeline and scope may change

→ Community Report to be published

## Initiation of a Working Group

## Working Group

- Produce deliverables
  - Standards, Reports, Software, ...
- Charter-driven
- Open to members only
- Limited duration
- Binding timeline and scope

→ Gathering of information on requirements  
[Overview of steps](#)  
[General information](#)

# Results of voting

- **Info on requirements given by Ted Guild (W3C)**
  - It is not so much about gaining additional paying members.
  - Ensuring the right stakeholders are present in addition to securing IPR and resource commitments to get the work done.
  - Having large existing Members show support is helpful.
  - Since the Web of Things group is interested in LBD, we might want to enlist Siemens our in your efforts.
- Information on Strategy issues on [Github](#)

## Initiation of a Working Group

### Working Group

- Produce deliverables
  - Standards, Reports, Software, ...
- Charter-driven
- Open to members only
- Limited duration
- Binding timeline and scope

→ Gathering of information on requirements  
[Overview of steps](#)  
[General information](#)

# Results of voting

## Community Report

- Introduction to the LBD CG
  - Focus Groups
  - Use Cases
  - Deliverables
- Requirement to initiate a 'Working Group'
- Current state
  - Outdated Deliverables
  - Incomplete/ redundant Use Cases and Requirements

Revision of CR draft needed in hindsight of Focus Groups, Use Cases and Deliverables.

## Initiation of a Working Group

- Introduction (complete, outdated)
- Deliverables
  - Use Case Collection
  - Best Practices for Linked Building Data
  - BOT
  - PRODUCT
  - PSET
  - GEOM
  - Alignment with other domains
- Methodology (complete)
- Use Cases (54)
  - Partially incomplete or redundant
- Requirements (7)
  - Incomplete list (54 : 7)

→ Revision of Use Cases & Requirements



# Results of voting

- **Future formats of LBD CG calls**

Voting: Voting form 6 votes

Result: Question/ options:

6

**The meetings should always be held on Tuesdays?**

**What types of meetings should be scheduled regularly?**

6

❖ Presentations and Q&As (current format)

4

❖ Elevator pitches on new initiatives

5

❖ Development meetings on specific focus points/interests/projects

5

❖ PhD talks

1

❖ Others

“(Development meetings:) ..bringing together results of the group eg. efforts concerning use cases ..and discuss”

# Results of voting

- **The LBD CG Chairing Team decided to introduce 4 new formats:**

## Future formats for LBD CG calls

1. **Elevator Pitches** (EvP)
2. **Focus Group Workshops** (FG Workshop)
3. **Focus Group Exchange Calls** (FG eCall)
4. **PhD Talks** (PhD Talk)

# Intro to new format

## Elevator Pitches

- **Goals**
  - Facilitate collaboration
  - Pitches on current research/  
Industry use cases/ work etc
  - Discussion & exchange of CG members
  - 5 minutes / 2-3 slides
- **Date**
  - At the start of each regular LBD CG call
- **Interested?**
  - Please send an email to the chairing team!

# Intro to new format

- **1st Focus Group Workshop**
- **Date**
  - LBD CG call on **04/05/2021**
- **Call for ‘Focus Group Pitches’**
  - Presentations by CG members at the start of the FG Workshop
  - Indication of ‘Focus Group’ topic
  - Application by filling in the [Formular](#) (open till 20/04/2021)
  - Prep.: 5 minutes / 2-3 slides

## Focus Group Workshops

- **Goals**
  - Formation of relevant ‘Focus Groups’
  - Discussion & exchange of CG members
  - Open to individual initiatives
  - Possible goals
    - preparing a research paper,
    - initiating a research project
    - applying for funding ..
- **Date**
  - regular LBD CG calls
  - Making use of MS Temas Channels

# Intro to new format

- **Use cases for LBD → Focus Groups**
  - GitHub
    - Focus on geometry, contributed to OGC white paper
    - Pull request to add new use cases on building renovation
  - Google forms
    - 11 responses
    - Unfiltered / -processed
  - CG Report
    - 54 use cases
    - Partially outdated
    - Heterogeneous quality
    - Overlaps

## Focus Group Workshops

How should we continue from here?

1. Merge documents

GitHub

Forms

Report

2. Contact authors if still relevant
3. Creating “focus groups”

Heads of FG support processing use cases

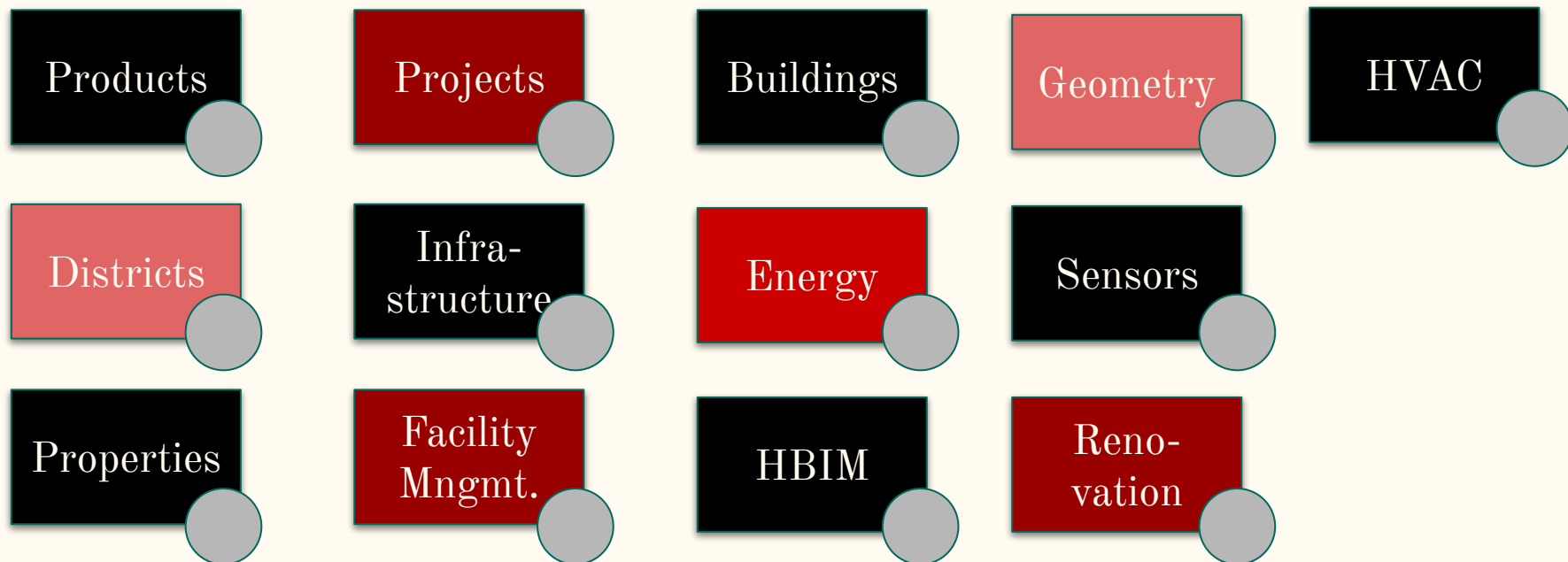
4. Revise use cases to create homogeneous report without overlaps

Chairs merge FG use cases together

# Intro to new format

## Focus Group Workshops

- **Focus Groups of the LBD CG**



# Open action items GitHub issues

- Best Practices for Publishing Ontologies
  - See following slides
- GitHub Issues (BOT)
  - Currently 17 open issues
  - Discussion and voting
- Other GitHub repositories
  - Update “tools” and “ontologies”
  - Which ontologies besides BOT should be maintained by the group?

# Best Practices for Publishing Ontologies (I)

- Create a [permaId](#) to ensure a **persistent** namespace (also see [Cool URIs](#))
- Register your **prefix** at [prefix.cc](#) (ask your coworkers and friends to upvote it)
- Have your RDF files (pref. in multiple serialisations) **available openly and online**
  - HTML human-readable documentation helps users to understand your ideas!
  - Host it on your own server or on GitHub pages / other services
- Provide **example data and queries**
  - Utilise the [SPARQL Visualizer](#) to demonstrate your ideas on example data and show your intended workflows!
  - You can host your own SPARQL Visualizer instance or load your JSON file containing the example data

## Helpful Tools, References & Tutorials

- [w3id.org](#)
  - Provides permanent identifier
  - HTTP redirects (.htaccess files) to hosted HTML documentations and RDF files
  - Allows simple migration of webspace without breaking links
- [prefix.cc](#)
  - Global collection of prefixes and their meanings
- [WIDOCO](#) or [pyLODE](#) or ...
  - Application to automatically create HTML documentation from RDF files (TTL, JSON-LD, etc.)
  - Java/Python, run from cmd or GUI
- Example documentations / demos
  - BOT ([Documentation](#) - [Demo](#)(hosted individually))
  - OMG ([Documentation](#) - [Demo](#)(loading JSON file))



# Best Practices for Publishing Ontologies (II)

- **Test consistency** of the ontology with a reasoner
- Check your ontology for **pitfalls**
- Evaluate if you provided the **minimal required metadata**
- Attach a **license** to your ontology!
- **Talk** about your ontology
  - Publication in well-known journals
  - Presentations at international conferences
  - W3C calls
- Allow **interaction with users**
  - GitHub issues, forum, contact details, etc.
- Further reading:
  - W3C [Best Practices for Publishing Linked Data](#)
  - W3C [Cool URIs](#)

## Helpful Tools, References & Tutorials

- Evaluation of ontology
  - [OntOlogy Pitfall Scanner \(OOPS\)](#)
  - DBpedia [Archivo](#) (if registered/known)
- Discussion on minimal required metadata
  - [WIDOCO](#)
  - [LOV](#)
- Register your ontology at:
  - [Linked Open Vocabulary \(LOV\)](#)
  - DBpedia [Archivo](#)



# Further discussion points

- Additional ‘**Best Practices**’ needed?
  - ...
  - ...
- Future life of ‘**LBD W3C Wiki**’?
  - Do we want to reactivate it?
  - Possible content?
- Further **Communication tools** needed?
  - Forum?
  - Focus Groups on MS Teams?
  - Chat (Slack, Discourse, Discord, Gitter)
- Other topics?
  - ...