W3C LBD Community Group
Minutes - Call 29/06/2021

Attendees:

- Katja Breitenfelder (Fraunhofer IBP)
- Mathias Bonduel (KU Leuven & Neanex Technologies)
- Joel Bender (Cornell University)
- Madhumitha Senthilvel (RWTH Aachen University)
- Gonçal Costa (LaSalle University)
- Alex Donkers (Eindhoven University of Technology)
- Christian Kreyenschmidt (Jade University of applied science, Oldenburg)
- Anna Wagner (individual associated with PROSTEP AG)
- Ranjith Soman (Imperial College London)
- Jakob Beetz (RWTH Aachen)
- Hervé Pruvost
- Serge Justinian Raynaud Chavez Feria
- Jyrki Oraskari (RWTH Aachen University)

Presentation slides

https://docs.google.com/presentation/d/1q8GDuj0RxpG0n2ZGIMcXII_978uqkQXitrPQI-0babg/edit?usp=sharing

Date and time

- 29/06/2021, Tuesday, 15:00-16:30@UTC/ 17:00-18:30@CEST/ 08:00-09:30@PST

Moderators

1. Mathias Bonduel

Agenda

1. Introduction of new members
2. Elevator Pitch by Madhumitha Senthilvel
3. GitHub Issue Sprint
4. Call for elevator pitches and announcement of next meeting

Minutes

1. Introduction of new/returning members
    a. none

2. **Elevator Pitch "Information Containers in CDEs"** by Madhumitha Senthilvel (RWTH Aachen University)
    a. CDEs: common data environment to ensure better data interoperability
    b. Information Containers: structured data bulk
    c. → Idea: How to combine those two worlds
        i. Data architecture and process architecture has to be defined
    d. Questions
        i. Containers suggest file-based exchange, how do you mean to handle this?
            1. Move away from document-driven exchange, but rather exchange IDs in triple stores
        ii. What is the lowest level of detail in these containers? Files or triples?
            1. Triples.
        iii. How do you maintain the integrity of the links, keeping in mind that objects and files can be changed.
            1. Changes have to be detected at the data level and delta-algorithms will have to be applied.
        iv. If you have an RDF graph pointing to files, how would you integrate them?
            1. Instead of RDF files, using containers and do the same thing
3. **GitHub Issue Sprint - BOT**
    a. https://github.com/w3c-lbd-cg/bot/issues/72 - Issue closed and documented (without discussion in the group)
    b. https://github.com/w3c-lbd-cg/bot/issues/74 - Transitivity has been added, the property chain has not been included to reduce complexity
    c. https://github.com/w3c-lbd-cg/bot/issues/24 - Disjointness for topological relations. This discussion can be taken onto class level, too.
        i. Definitions on terms should be clarified to distinguish the cases more clearly
        ii. Some applications use multiple topological relations and find that convenient.
        iii. Suggestions (Anna):
            1. Check on existing exemples / research output
            2. What exactly do we intend BOT to use for? -> use case specific use, ...danger that we create limitations for users if we don't consider those aspects; maybe we could consider different levels of BOT, i.e. BOT light etc.
        iv. Suggestions / answers (Mathias):
            1. Model simple exemple building with geometry -> model each and every relation, explore relations, demonstrate interdependencies, limitations -> which combinations to be avoided; output should be a documentation.

2. Perhaps we should leave the disjoint axioms, but sure we should extend the description.
3. Possibility to move constraints/ restrictions to SHACL shapes (on application relevant levels)
4. (Anna) removing disjointnesses, remove from ontology and move restrictions to those shapes would be preferable..
5. **VOTE: Remove disjointness axioms, close the issue and raise a new one that moves those restrictions into SHACL shapes.**
    a. 0: K. Soman Ranjith, Goncal Costa Jutglar, Serge Justinian Raynaud Chavez Feria
    b. 1: Anna Wagner, Katja Breitenfelder, Joel Bender, Mathias Bonduel, Alex Donkers, Madhumitha Senthilvel, Hervé Purvost
    c. -1
    d. Mail with Vote and result will be shared via mailing list and after two weeks time for unavailable group members to join the vote, the result will take effect.

d. https://github.com/w3c-lbd-cg/bot/issues/116
    i. Alex Donkers applies bot:Zones as thermal zones and this use case may require a less explicit definition.
    ii. Joel Bender: shares schematic of his research. Zones are specified in their topics, i.e. lighting or HVAC zone. Hence, multiple zones can intersect, overlap and include. His work extends the bot:Zone concept.
    iii. Mathias: Decision on this issue should be postponed, until we have an example case well defined to see the impact of such a decision.

e. https://github.com/w3c-lbd-cg/bot/issues/76
    i. Wait for example use case

f. https://github.com/w3c-lbd-cg/bot/issues/80
    i. VOTE: copy htaccess from OMG to BOT and rewire to BOT
        1. 0: Goncal Costa Jutglar, Madhumitha Senthilvel, Katja Breitenfelder
        2. 1: Mathias Bonduel, Jyrki Orasaka, Anna Wagner, Alex Donkers
        3. -1
        4. Mail with Vote and result will be shared via mailing list and after two weeks time for unavailable group members to join the vote, the result will take effect.

4. Call for elevator pitches and announcement of next meeting

Next Call

- 13/07/2021, Tuesday, 15:00-16:30@UTC/ 17:00-18:30@CEST/ 08:00-09:30@PST

Agenda: BIMERR Project presentation

We are interested in getting suggestions from the community about potential agenda items and **Elevator Pitches** for the following calls. Please send your suggestions to the chairs or to internal-lbd@w3.org, whether you have a short presentation to bootstrap the discussion, and an approximate duration you think the discussion will last.

Previous minutes

https://www.w3.org/community/lbd/meeting-minutes/
https://github.com/w3c-lbd-cg/lbd/tree/gh-pages/minutes