Attendees:

- Georg Ferdinand Schneider (Individual CLA but affiliated with Schaeffler)
- Mads (Niras)
- Gonçal Costa (LaSalle University)
- Maxime Lefrançois, MINES Saint-Étienne
- Edison Chung
- Joel Bender (Cornell University)
- Sjoerd Rongen (Taxonic)
- Serge Chavez (Universidad Politécnica de Madrid)
- Marjo Smit (Taxonic)
- Katja Breitenfelder (Fraunhofer IBP, Technical University of Munich)
- Jenn McArthur (Ryerson State)
- Elisabeth Eckstädt (TU Dresden)

Date and time

- 06/10/2020
- 15:00-16:30@UTC, 17:00-18:30@CEST, 16:00-17:30@BST, 08:00-09:30@PDT, 23:00-00:30@CST
- Connection details: https://lists.w3.org/Archives/Member/internal-lbd/2020Oct/0000.html

Agenda (tentative)

1. Introduction of new participants
2. Short introduction of W3C LBD CG
3. "Building automation system – BIM integration using a linked data structure" by Jenn J. McArthur from Ryerson University (GoogleScholar)
4. Open discussion
5. Maxime pushed presentation on github TPAC 2020
   - https://github.com/w3c-lbd-cg/lbd/commit/468ecd4d3da7e09175a0651e394a3d8ccef9a18a

Minutes

1. Introduction of new participants
2. Short introduction of W3C LBD CG
3. "Building automation system – BIM integration using a linked data structure" by Jenn J. McArthur from Ryerson University (GoogleScholar) SLIDES
   - Research focus on existing buildings
   - 5 year project at Ryerson University on smart building applications
   - One campus building is completely monitored as a start
   - Linked data approach to monitor and bring together data
   - Use of a nomenclature to describe unique identifiers of sensors
   - Mapping to BIM via nomenclature of sensor data
   - Mapping also to assets in building, e.g. pump

- Batch analytics, e.g. Fault Detection and Diagnostics
- Forge -> Comment by Mads: Xeokit might be helpful
- Security of BAS system is a major concern
4. Open discussion
    - Q [Joel]: Do you have access to the central power units?
    - A [Jenn]: We have a hodgepodge of systems. We do have some access but it is not openly available.
    - Q [Joel]: Did you consider using templates or schemas such as BRICK or Haystack?
    - A [Jenn]: We review building ontologies for smart commissioning; We do reuse some of the relationships of BRICK.
    - Q [Georg]: Nomenclature metadata also available explicitly?
    - Q [Georg]: 10 000 points look up of table? How to match point ID and model? representation in BIM model? A [Jenn]: Nomenclature ensures uniqueness
    - Q [Georg]: Close the loop? Also actuation possible?
    - A [Jenn]: Yes, possible. Not utilised to much. depends on trust in solution.
5. Maxime pushed draft presentation on github TPAC 2020
    - https://github.com/w3c-lbd-cg/lbd/commit/468ecd4d3da7e09175a0651e394a3d8ccef9a18a
    - Discussion on slides
    - Marjo and Sjoerd will have a look on product taxonomies from industry perspective
    - TODOs:
        - Need to update Logo (2018)
        - Texts abbreviate to bullet points
        - Revise deliverables on github IO webpage
        - Post slides and link to them from wordpress webpage
        - Put slide on issues with heterogeneous and legacy data in building domain
        - ACTION [Maxime]: Send through public mailing list (DONE)

Next Call

- 13/10/2020, Tue, 15:00-16:30@UTC, 17:00-18:30@CEST, 16:00-17:30@BST, 08:00-09:30@PDT, 23:00-00:30@CST

We are interested in getting suggestions from the community about potential agenda items for the following calls. Please send your suggestions to public-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://docs.google.com/document/d/13HfwFpAIUgGB65_Wjm3Qeg_g9Rb3Y2X8ISO2ED53qU4/edit#