Attendees:

- Georg Ferdinand Schneider (Individual CLA but affiliated with Schaeffler)
- Mads Holten Rasmussen (Niras)
- Erik Wallin (Idun Real Estate Solutions AB)
- Karl Hammar (Jönköping AI Lab, Jönköping University)
- Joel Bender (Cornell University)
- Sylvain Marie (buildingSMART France)
- Gonçal Costa (LaSalle University)
- Mathias Bonduel (KU Leuven)
- María Poveda-Villalón (Ontology Engineering Group - Universidad Politécnica de Madrid)
- Edison Chung (MINES Saint-Etienne)
- Walter Terkaj (CNR-STIIMA)
- Maxime Lefrançois (MINES Saint-Étienne)
- Kris McGlinn (ADAPT-TCD)
- Calin Boje (LIST)
- Herve Pruvost
- Rui Ma

Date and time and connection details

- 23/04/2020
- 16:00 - 17:30 CEST
- Link: **https://mit.webex.com/mit/j.php?MTID=me08feeeee26466fab466a05e5325b135**

Agenda (tentative)

1. Introduction
2. Organisational
    - Next Calls
        - 07/05/2020, THU, 17:00-18:30@CEST/ 8:00-9:30@PDT/ 15:00-16:30@UTC
            - Proposed Topic ISO 23386 by Lars Christian Fredenlund
        - 19/05/2020, TUE, 16:00-17:30@CEST/ 7:00-8:30@PDT/ 14:00-15:30@UTC
3. 30 min Presentation of RealEstateCore by Erik Wallin, Karl Hammar, and Mads Holten Rasmussen
4. 30 min BOT Definitions revision
    - Site: https://github.com/w3c-lbd-cg/bot/issues/54
    - Building: https://github.com/w3c-lbd-cg/bot/issues/65
    - Interface: https://github.com/w3c-lbd-cg/bot/issues/71
    - Storey: https://github.com/w3c-lbd-cg/bot/issues/66
    - hasSubElement: https://github.com/w3c-lbd-cg/bot/issues/47
    - Revised labels and descriptions https://github.com/w3c-lbd-cg/bot/pull/73

- Webinar on BOT

Minutes

5. Introduction
    - We welcome to the call all new participants
        - Sylvain Marie (Catenda / VTREEM)
        - Karl Hammar (Jönköping AI Lab, Jönköping University)
6. 30 min Presentation of RealEstateCore by Erik Wallin and Mads Holten Rasmussen >>SLIDES<<
    - Start of development in 2016
    - Consortium since 2018
    - Core ontology presented at ISWC 2019 LINK
    - REC ontology available open source LINK
        - ~ 150 classes
        - ~ 80 obj pro
        - ~ 70 data prop
    - tested on 10 million sqm
    - REC comes along with a set of tools to publish and ingest data
        - Lessons learned:
        - Modularizability allows customization -- but complicates tooling and ecosystem development
        - Single-domain/single-range properties support docs and visualisation -- but prevents field reuse in APIs
        - No foundational ontologies simplify comprehensibility -- but cognitive clustering challenges are arising anyway
        - Allow typing in a-box, needed for own special rooms by customers, explicit typing
        - Always emphasize usability, applicability, over generalisability
        - Minimize external dependencies; clone structure/definitions if needed
        - Map to existing standards when valuable
    - More incremental developments in future
    - New release planned for 2020/2021
    - Alignment presented by Mads
        - bot:Zone and bot:Element are defined as rdfs:subClassOf rec:BuildingComponent ! different understanding
        - Equivalent classes exists
        - Devices cannot be a bot element
        - Alignment should be released when finalised

    - Q: Requirement documents will be published soon? Yes

- Q: Kris: geo:-namespace is mentioned, what is it referring to? A: points to geoSPARQL. Link is made as geometry is not In the detailed scope of REC
- Note [Mathias]: there is a proposal to revise geosparql, ogc GeoSemantics group working on it. Participation of
- Excel tool by Karl Hammar to allow users to link to REC and generate RDF
- Q [Joel Bender]: Device, Sensor, Actuator is this related to SOSA? A: Not really
- Q [Joel Bender]: Alignments to BRICK how does this work? Karl Hammar: Alignment is here, finding correspondences need to be carefully revised. https://github.com/RealEstateCore/rec/tree/master/ontology/alignments
- Q [Georg Schneider]: Why reuse BOT in future versions? A: Benefit if other data sets and applications support BOT and can be easily integrated with REC.

7. Organisational
   - Next Calls
     - 07/05/2020, THU, 17:00-18:30@CEST/ 8:00-9:30@PDT/ 15:00-16:30@UTC
       - Proposed Topic ISO 23386 by Lars Christian Fredenlund
     - 19/05/2020, TUE, 16:00-17:30@CEST/ 7:00-8:30@PDT/ 14:00-15:30@UTC
8. 30 min BOT Definitions revision
   - For reference definition of bot:Zone: "`A part of the physical world or a virtual world that is inherently both located in this world and having a 3D spatial extent; Sub-classes of bot:Zone include bot:Site, bot:Building, bot:Storey, or bot:Space. An instance of bot:Zone can contain other bot:Zone instances, making it possible to group or subdivide zones. An instance of bot:Zone can be adjacent to other bot:Zone instances. Finally, a bot:Zone can instantiate two relations to bot:Element, which are either contained in (bot:containsElement), or adjacent to it (bot:adjacentElement).`"
   - bot:Site: https://github.com/w3c-lbd-cg/bot/issues/54
     - A part of the physical world or a virtual world that is inherently both located in this world and having a 3D spatial extent. It is intended to contain one or more buildings.
     - IFC Site definition: -> only 2D
       - Vote:+1 fine, -1 not fine, explain why
       - Mads: +1
       - Georg: +1
       - Mathias: +1
       - Gonçal: +1
       - Karl: 0
       - Kris: +1
       - Sylvain: 0 (confused: 3D could be addressed by a LocationPlacement? But I'm a n00b :-))
       - Edison: +1
       - Erik: 0
       - Calin: +1
   - -> Postponed

- Building: https://github.com/w3c-lbd-cg/bot/issues/65
- Storey: https://github.com/w3c-lbd-cg/bot/issues/66
- Interface: https://github.com/w3c-lbd-cg/bot/issues/71
- hasSubElement: https://github.com/w3c-lbd-cg/bot/issues/47
- Revised labels and descriptions https://github.com/w3c-lbd-cg/bot/pull/73

- Note: A public webinar and walkthrough on BOT is planned, help welcome!

Next Call

- tba

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/1tLofHY1Tf17Px9celuMCy5mbudp_DiUtX2YnJgWZalM