

Meeting #05

Machine Readable Information Delivery Specifications

AKA “Information Delivery Specification (IDS)”

Agenda bSi IDS meeting #05

1. Short update
2. European BIM Standards Tool (Peter) – 20min
3. BSDD presentation (Léon) – 20min
4. ISO/UML standard (Frédéric) – 20min
5. Data-structure – continued discussion
6. Next session #06

1.Short update

- Best wishes to you all for 2021! In which hopefully...
 - Donald will be a duck again
 - Isolation will be used only in buildings
 - Mouth mask will be used only for spraypainting
- Agenda invites
- Version 0.01 from Arie/Thomas/Adré

1. Meeting Ground Rules

- Use-case pull instead vs solution push
- Only people that speak have their camera + mic ON
- All other people that DOT NOT speak have their camera + mic OFF
- People can speak for a max of 2 minutes
- Respect each others use-cases, perspective and vision
- ...

2. European BIM Standards Tool (Peter) –

Q: Perhaps using the XML structure from the tool as input for the v0.01?

European BIM Standards Tool

- Acquire information requirements (IR) from various sources.
- Allow the definition of task specific Information requirements
- Create a “mapping” between the parameters in Revit and the properties in the IR.
- When the mapping is done, all the support files to create the appropriate Property-Sets in the IFC files will automatically be generated by the tool, making the IFC Export simple and efficient.
- All the pieces of functionality can be accessed from within a single tool called the “Tool Integrator”.

Define IDS

Define Mapping

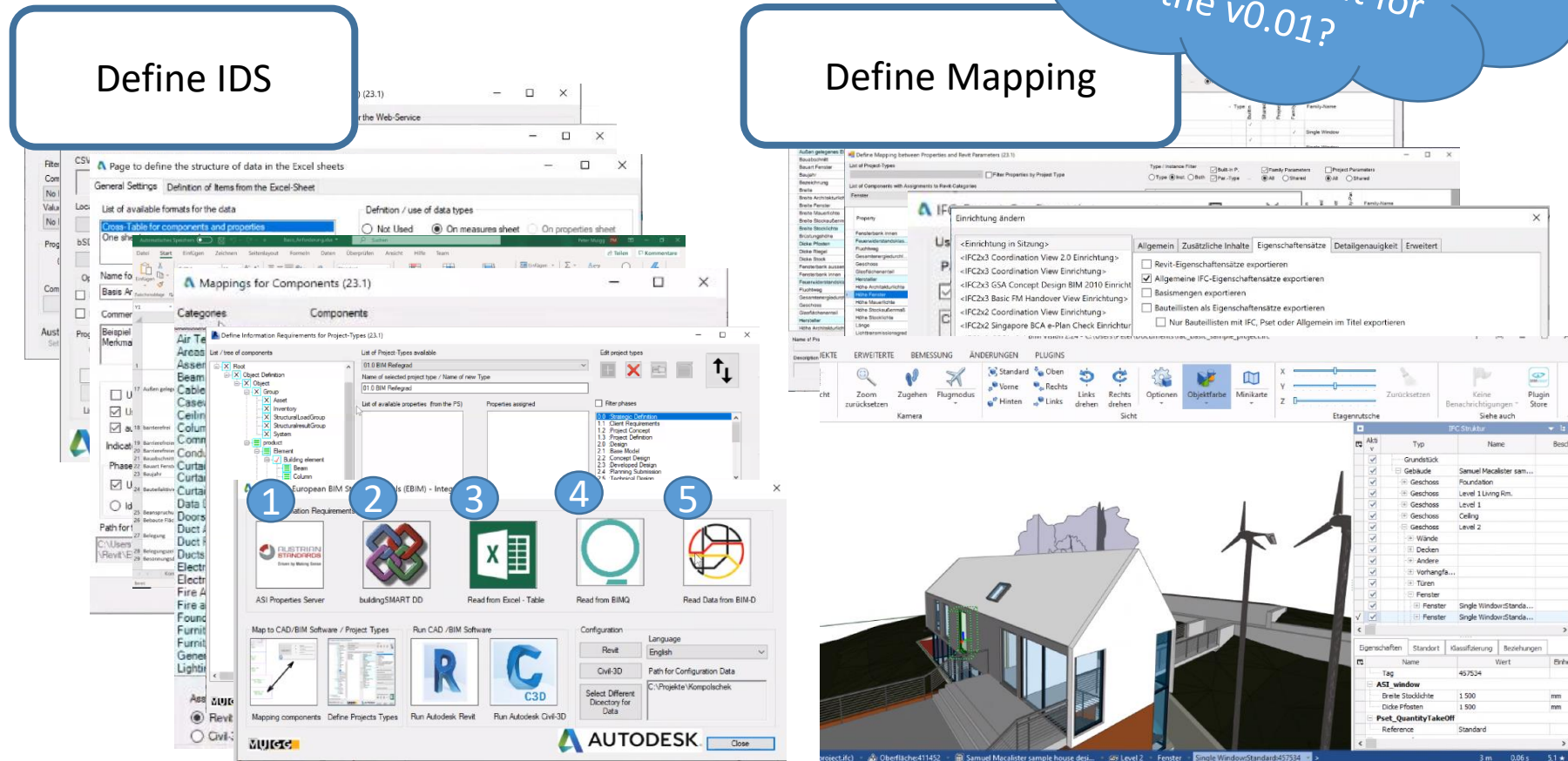
Sources for Information Requirements

- ASI (Austrian Standards) Properties Server
- buildingSMART Data Dictionary
- Excel-Sheets
- IR's defined with the tool „BIMQ“ from AEC3
- Future: IR's from the BIM-D platform
- Future: IR's according to the new bSI IDS Standard



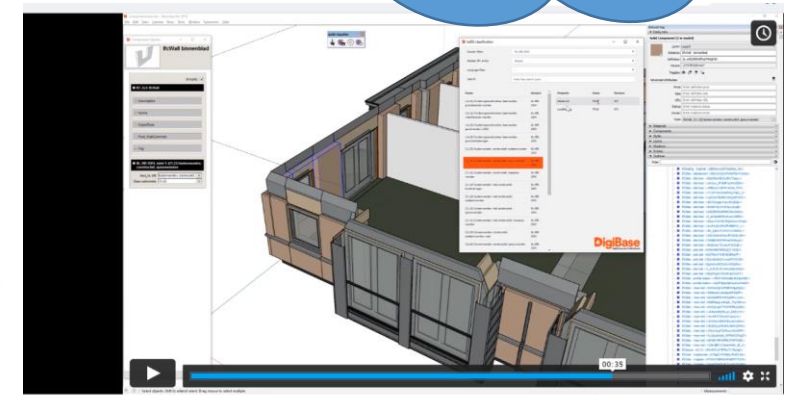
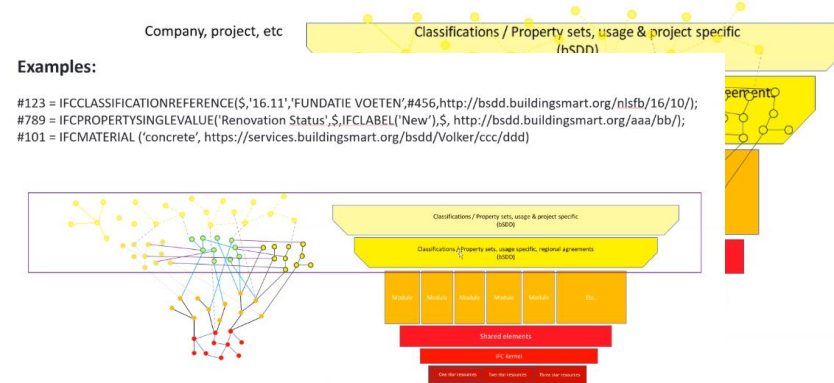
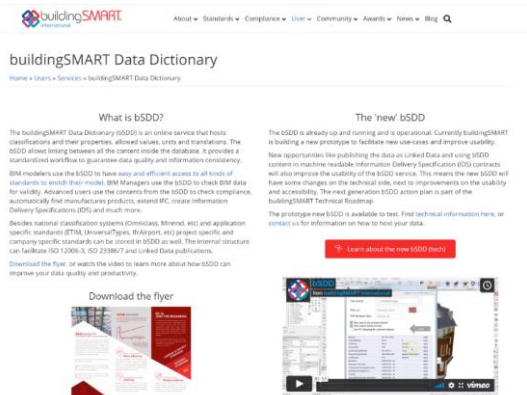
Currently supports multiple IDS ‘structures’, in future only one: bSi IDSstandard.

The purpose of the tool is to create the correct IFC export for the user.



3. BSDD presentation (Léon) – 20min

Is BSDD UML close to XML format from Autodesk?

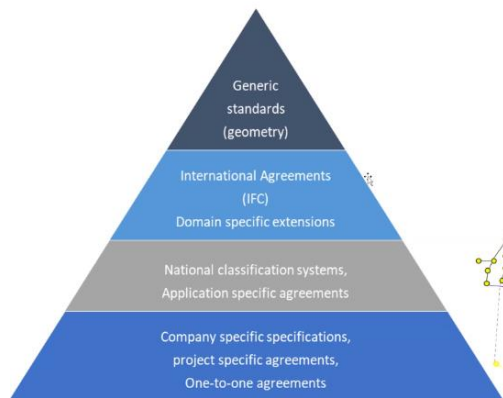
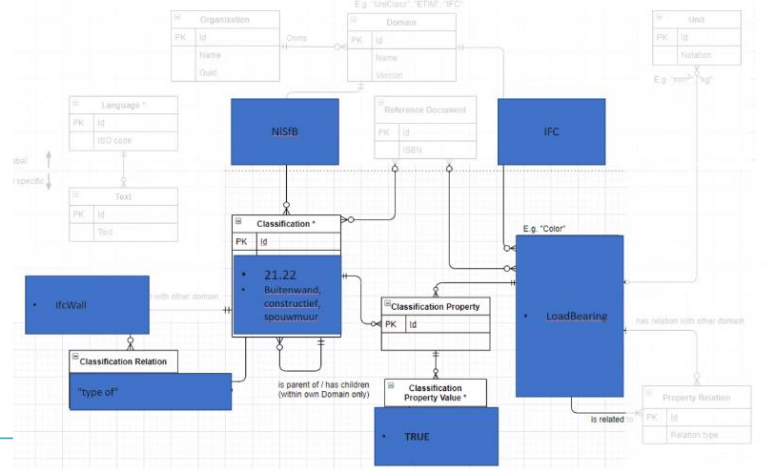
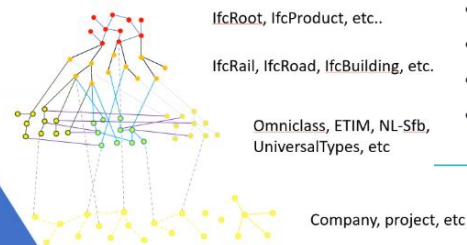


bSDD APIv5 SketchUp connection

<https://www.buildingsmart.org/users/services/buildingsmart-data-dictionary/>

Examples of what can be in bSDD:

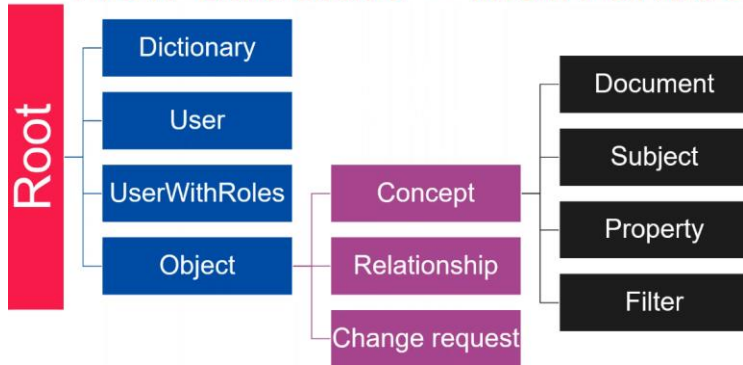
- IFC Entities
- Predefined Types
- Classification references
- Properties (IFC and user defined, including Pset names)
- Materials
- Allowed values (for all fields)
- Identifiers
- Units
- Reference documents (PDTs)



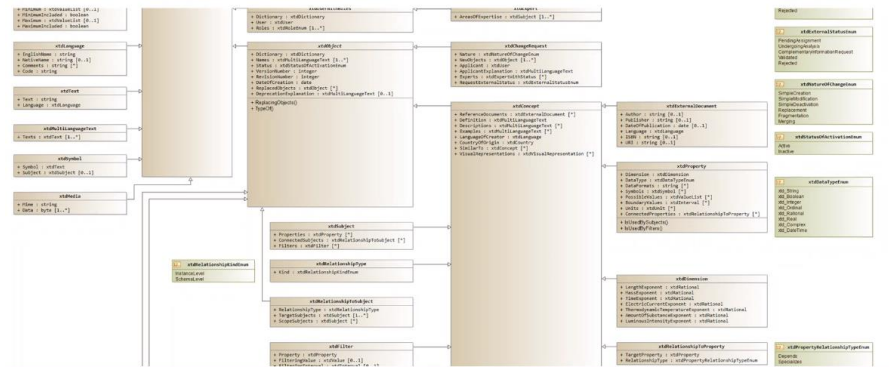
4. ISO/UMML standard (Frédéric) – 20min

Property

New structure – main entities

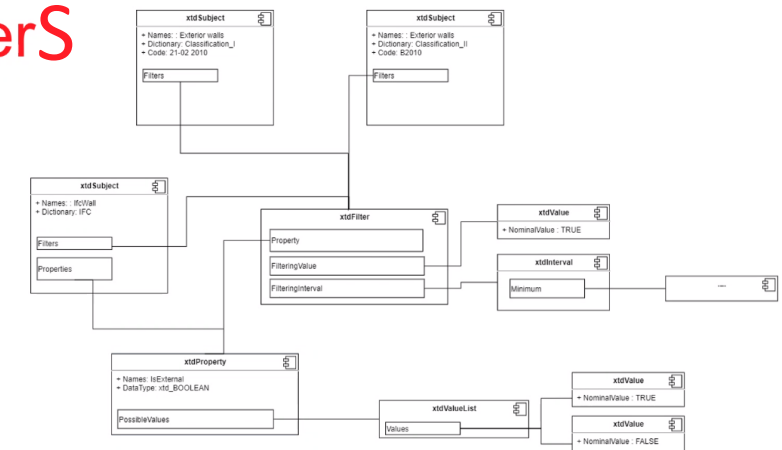
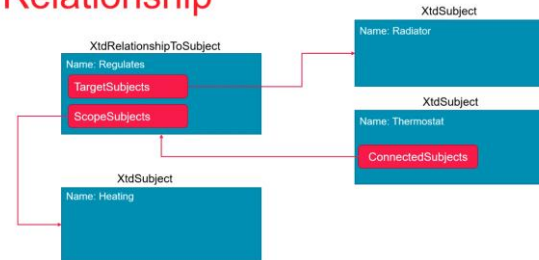


UML Diagram (CD)



FilterS

Relationship



5. Data-structure – continued discussion

- Version 0.01 from Arie/Thomas/André
 - XML
 - Wording standard - LOIN
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- Continue the discussion in the Chat Channel of the MS Teams
 - Get all software vendors (implementors) involved

6. Next session #06

- Q1: Perhaps using the XML structure from the Autodesk tool as input for the v0.01?
- Q2: How similar is the BSDD UML to the v0.01 UML?
- Q3: User focused or IFC-focused approach? Or both, with IfcEntity mapping should be mandatory.
- Proposal: Use-case requirements REPORT -> analysis from use-cases to give direction to technical solution