Kick-off : Machine Readable Information Delivery Specifications

AKA “Information Delivery Specification (IDS)”

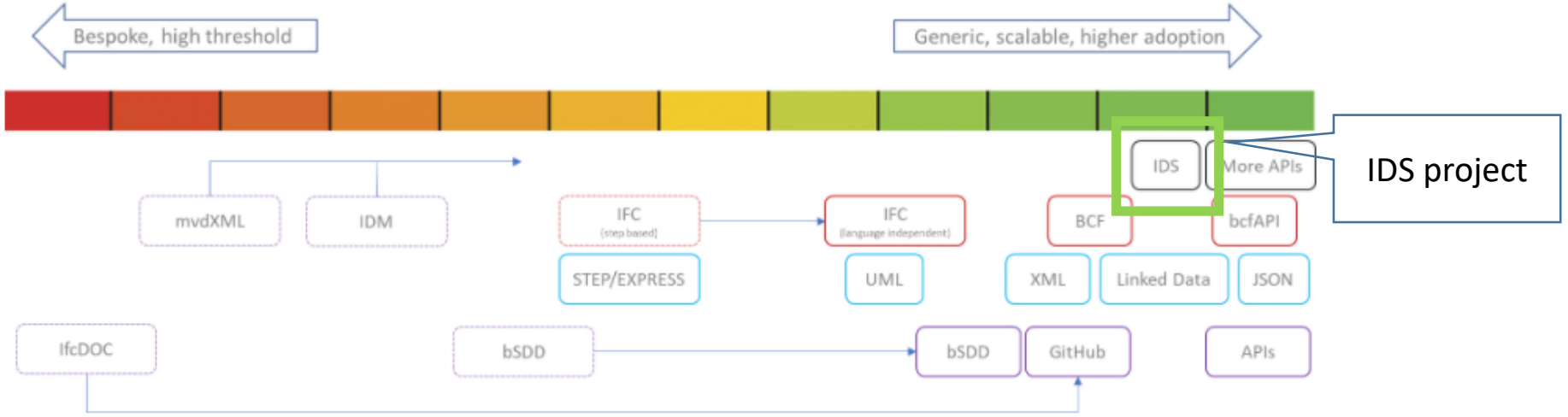
Agenda

1. Welcome and Introduction to the IDS project
2. Meeting Ground Rules
3. Basic problem statement & scope – why I believe the world needs something like the IDS
4. Who's in the team - personal pitches (2 sheets & 2 mins per person)
5. Project goal & milestones
6. Agreeing on working together in a cyclic approach
7. Questions

1. Welcome & introduction

- Cyrille – welcome to team

Cyrille Pennavaire



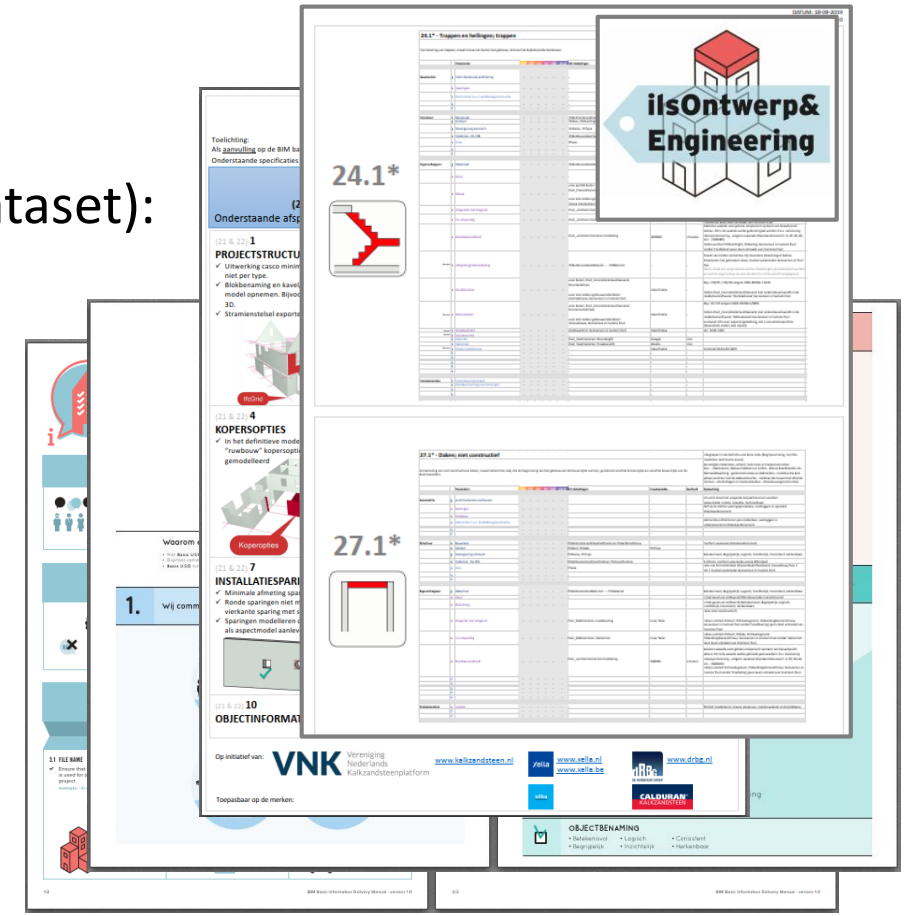
2. Meeting Ground Rules

- 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
- …

3. Basic problem statement

- Projects have ‘Exchange Requirements’ for an IFC ‘file’ (dataset):
  - ‘Exchange Requirements’
  - ‘Level of Information Needs’
  - ‘Exchange Information Requirements’
  - ‘Information Delivery Manual’
  - etc, etc.

- In the Netherlands alone:
  - Basic BIM IDM ‘document’ (pdf)
  - ILS O&E ‘document’ (ppt + xls + pdf)
  - +50 different ILS ‘documents’ (pdf)
  - Internationally many similar examples

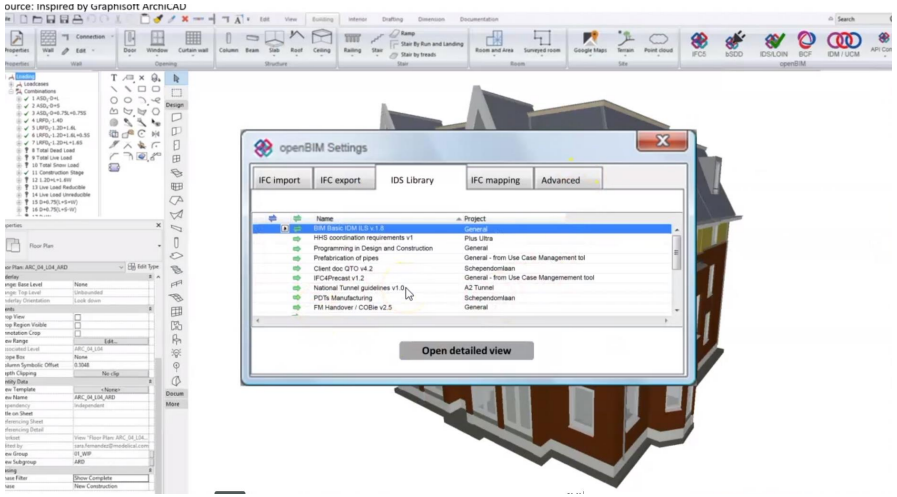


- “No practical solution for end users that works on real projects with real software tools that can define or validate machine readable Exchange Requirements”

What is missing?

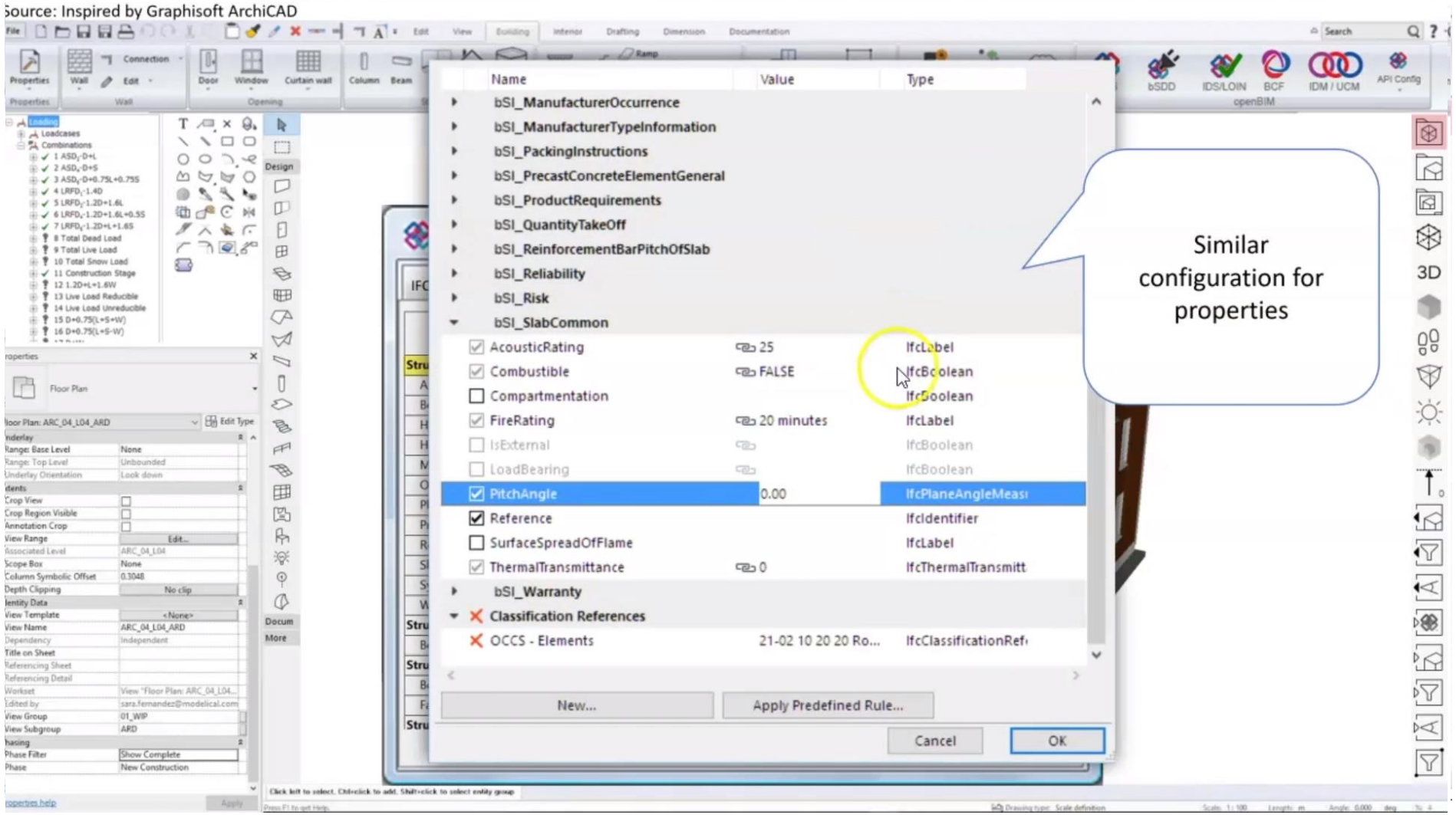
- “Basically: some buttons in the software” ;)
- No widely implemented practical solution for end users that work on real projects to define or validate machine readable Exchange Requirements.

- A machine readable, computer interpretable ‘Information Delivery Specification’ standard that is widely implemented in existing tools.
- That is preferably ‘low-tech’*
- And can be used by:
  - Clients to define their requirements
  - Modelers to validate the data
  - Computer systems to automate processes



* I personally should be able to write an IDS using only notepad

End user experience



Result

3. Scope

IN scope

- Getting a practical solution for the collected ‘business driven practical use-cases’
- Low-tech & simple, file format (for example: .xls, .txt, etc)
- Something that is widely implemented into software
- “And that preferably works on IFC 2x3 – based on the fact that this is widely implemented and used already”

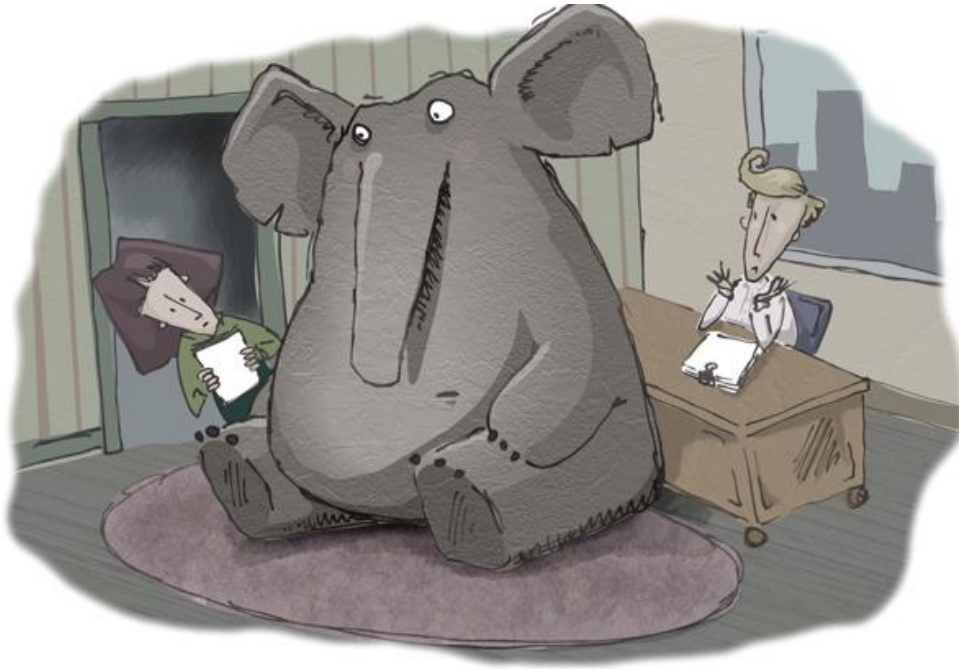
OUT of scope

- No 'theoretical' what if’s
- No geometry
- No Phd. research into existing solutions

3. Let’s talk about the elephant in the room…

Current potential technology solutions that have not been adopted widely:

- Product Data Templates
- mvdXML
- Property Templates IFC4
- SHACL
- XSD patterns
- Regular Expressions
- OCL
- …



“So let's create a good overview of use-cases first,
and then figure out whether these existing solutions can be applied "

4. Who's in the team

Per person:
2 sheets in 2 minutes

Use-case owner:

- Jaan Saar
- Carolina Soto Ogueta
- Sebastian Manriquez
- Paulina Godoy
- Jan Tulke
- Lex Ransijn
- Jeffrey Truijens
- Andrew Knight
- Cyrille Pennavaire

Software implementors:

- Arie Kranenburg
- Peter Muigg
- Ralf Mosler
- Pasi Paasiala
- Ruben de Laat
- Jiri Hitianen
- Erik Pijnenburg
- Thomas Krijnen
- Frank Weiss
- Ulrich Hartmann
- Serge Vishnevetsky
- Neil Peterson
- Martin Cerney

Other initiatives:

- Paul Bos
- Marzia Bolpagni
- Jakob Beetz
- Noemi Kremer
- Stefan Boeykens
- Dimitri Daniaud
- Espen Schulze
- Gunner Friborg

What the team said

- *Keep It Stupid Simple*
- *Not too fast if that means disalignment with standards*
- *Something that is simple to implement*
- *mvdXML is too hard to implement*
- *Practical approach is where the money is*
- *>80 years IFC experience*
- *IDS band: base, gitar, piano*

5. Project goal

- Getting a practical solution for the collected ‘business driven practical use-cases’
- No 'theoretical' what if’s
- Low-tech simple solution
- Something that is widely implemented into software

Q: Do we have commitment* from:

- use-case owners?
- Implementors?
- Other initiatives?

*Do we agree on what commitment means?

5. Project milestones

1. Business driven practical use-cases collection (open call)
2. Further scoping of project
3. Create a simple proof-of-concept – IDS Standard 0.1
4. Prototype software implementations – Solibri? Revit? Archicad?
5. Phase 2 definition

Delivery: Q1-2021

1-2 hrs./2wk

6 months * 2-4 hrs/month = 12-24 hrs total

6. Agreeing on working together in a cyclic approach

- Agile aproach
- Cyclic – for xample: 2 weekly meeting 1hr-2hr
- Present progress regularly

7. Questions

- Start with use-cases to see whether tabular is workable.
- xls, txt are maybe a bit ‘buggy’
- Json, xml schema would be better
- Csv is really simple as well – might have problems with special characters
- GitHub/formal workspaces
- bSI attendee for IDS project

New usecases & participation

Please upload using:

https://technical.buildingsmart.org/projects/information-delivery-specification-ids/

Or send an email to:

cyrillepennavaire@gmail.com

Recording of kick-off meeting:

https://vimeo.com/466257037/8c99ab1b41