Code of Conduct
Competition Law

buildingSMART is committed to ensuring that participation in the development of standards is unrestricted and the process for their adoption is transparent and, standards that are developed do not favour any particular provider and are open, non-binding and accessible to all.

Members may not use buildingSMART's meetings or other activities as a forum for discussing or agreeing any matters that would breach competition laws.

buildingSMART is obliged to remind all participants of this Code of Conduct for compliance with competition laws.

Please review the full document:
https://www.buildingsmart.org/wp-content/uploads/2019/03/17-09-08-buildingSMART-International-Competition-Law-Code-of-Conduct.pdf
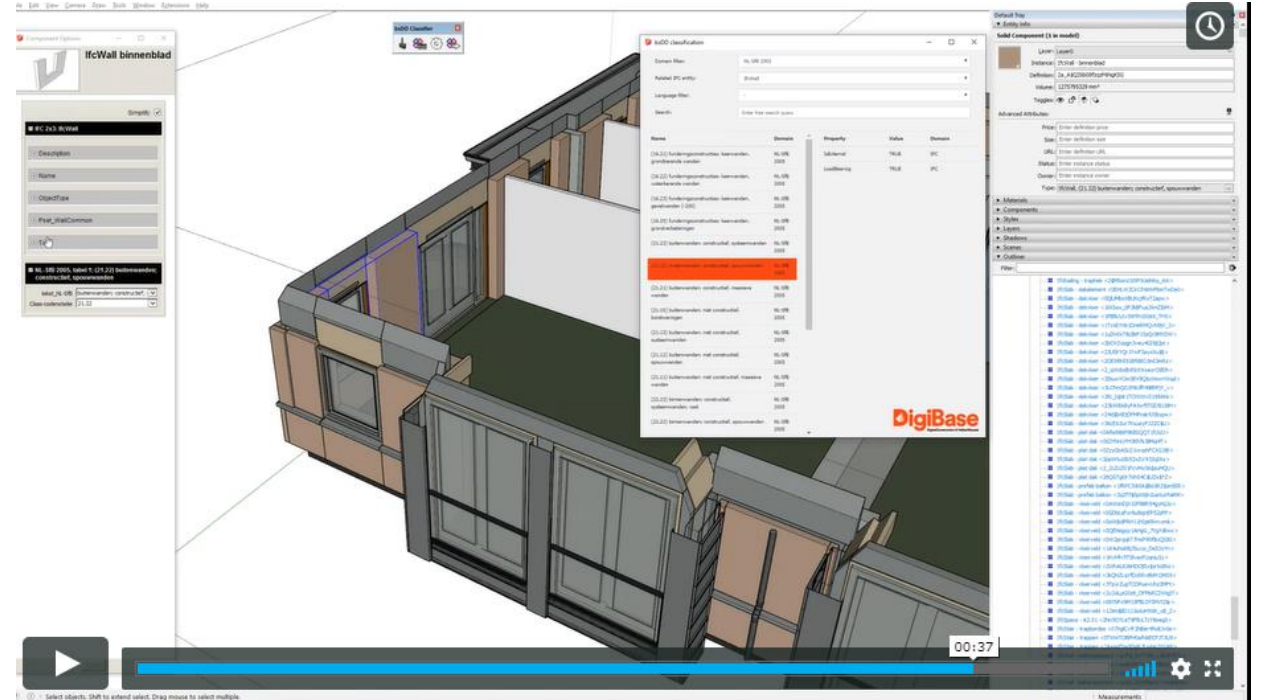
Full document

buildingSMART Data Dictionary

The 2021 version

Demo!

Demo Sketchup:

https://vimeo.com/446417661/ff8b6605d3

buildingSMART Data Dictionary

buildingSMART Data Dictionary

What it is:

- SERVICE for distribution/publication of standards
- Multiple standards hosted in bSDD

buildingSMART Data Dictionary

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- Ability to connect to each other and definitions outside of bSDD (using URIs)
- Ownership of standards is split in domains
- Ability to extend & reuse standards
- Also open for company/country specific standards

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What it is NOT:

- Hosting actual project data
- Hosting manufacturer product data
- Made for maintaining standards
- A standard itself

What is bSDD?

- Publication/distribution of connected standards (including IFC): Classifications, Properties(sets), allowed values, attributes, units, etc.

- For BIM modellers: standardized way to access data to enrich BIM
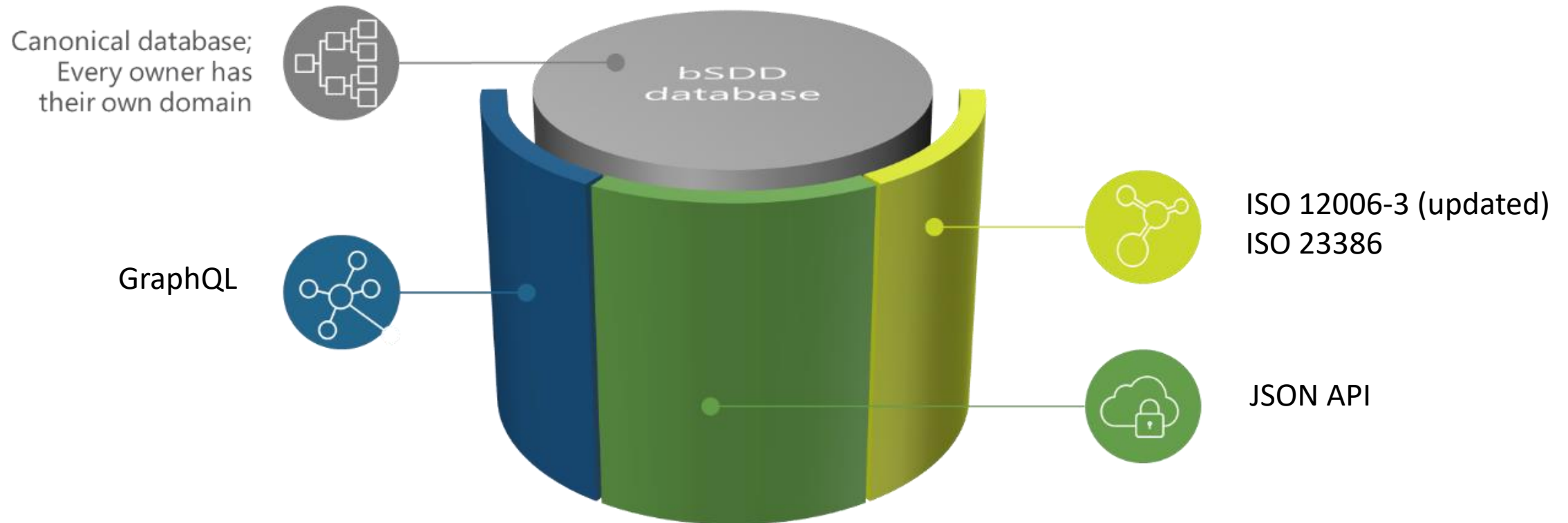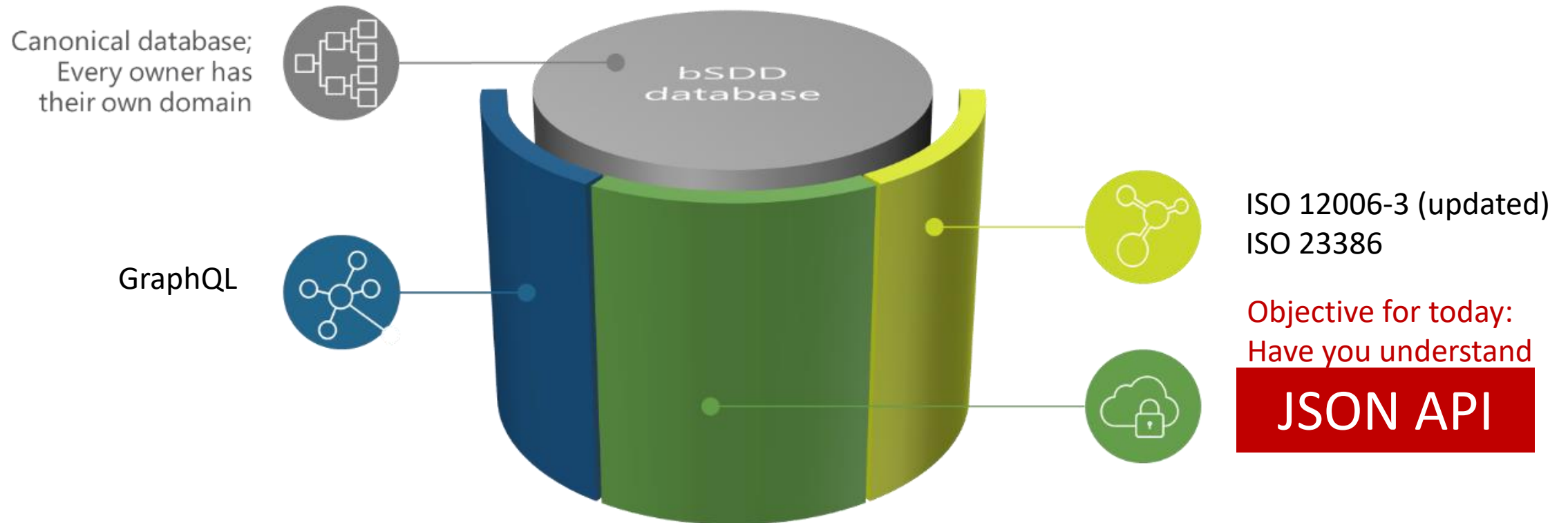
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What is bSDD?

- Publication/distribution of connected standards (including IFC): Classifications, Properties(sets), allowed values, attributes, units, etc.

- For BIM modellers: standardized way to access data to enrich BIM

- For advanced users: way to extend IFC, use multi-language search capabilities, find manufacturer products, filter compliancy (PDT attributes), Linked Data ontology publication/linking, tag products for tracking, create Exchange Requirements (IDS), etc. etc..

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Multiple ways to access data

Canonical database; Every owner has their own domain

GraphQL

bSDD database

ISO 12006-3 (updated)
ISO 23386

JSON API

Multiple ways to access data

Canonical database; Every owner has their own domain

bSDD database

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Objective for today:
Have you understand

JSON API

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Business model?

- Current data in the bSDD are all available without costs

- Data owners pay hosting fee to buildingSMART

- Data owners stay owner; publish under license of choice

- buildingSMART is (hosting)service provider

More info: https://www.buildingsmart.org/users/services/buildingsmart-data-dictionary/

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International

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More info: https://www.buildingsmart.org/users/services/buildingsmart-data-dictionary/

In future:

- Not all data in bSDD are fee: end-user has to pay license fee to data owner

Current status

- Running on Azure
- "Prototype" → technical stable but organisation development needed
- Deployed: database and search GUI
- Data
  - ~ 15 domains (deployed or prototype)
  - Data import challenge April/May

- Current bSDD will stay online till (at least) December 2021

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Copy paste this:

Video of Sketchup plugin: https://vimeo.com/446417661/ff8b6605d3

Search GUI: https://search.bsdd.buildingSMART.org

Sketchup source plugin: https://github.com/DigiBase-VolkerWessels/SketchUp-bsDD-plugin

Hackathon tutorial (get started!):
https://github.com/buildingSMART/bSDD/blob/master/2021%20Hackathon/tutorial.md

Swagger API: https://bs-dd-api-prototype.azurewebsites.net/swagger/index.html

Other links: https://github.com/buildingSMART/bSDD/tree/master/2020%20prototype

Support: bsdd_support@buildingsmart.org

TIME (GMT)	Time (CET)	Topic	Presenter
8:00 AM	09:00	Welcome & introduction	
8:15 AM	09:15	bSDD Main use-case	Léon Van Berlo
8:45 AM	09:45	New ISO standards - Overview - bSDD Compliance	Frédéric Grand
9:15 AM	10:15	Sketchup plugin- Technical Overview	Jan Brouwer
9:45 AM	10:45	Break	
10:00 AM	11:00	API How to develop the use-case - Swagger & API calls needed to address the main use-case - Walkthrough tutorial to create the main use-case	Erik Baars Frédéric Grand
10:45 AM	11:45	Challenge - Create your own implementation of the main use-case	All
11:45 AM	12:45	bSDD API - Walkthrough other API calls	Erik Baars
12:00 PM	13:00	Closing	

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Rules of meeting:

- The objective is fixed: help developers connect to the API
- The agenda is not fixed
- It is a hackathon. Than means you need to work.

Rules of meeting:

- The objective is fixed: help developers connect to the API
- The agenda is not fixed
- It is a hackathon. Than means you need to work.
- Mute when you don't talk
- Talk for maximum 2 minutes
- Questions should end with a question mark
- This will be recorded and published on the forums
- bsdd_support@buildingsmart.org

After today

TIME (GMT)	Time (CET)	Topic	Presenter
8:00 AM	09:00	Welcome & day 1 outcomes	
8:15 AM	09:15	Challenge results - Presentation of implementations - Q&A	All
9:30 AM	10:30	Break	
9:45 AM	10:45	API protected calls - Authorization - Challenge: implement protected search	Erik Baars
10:30 AM	11:30	Adding classification links to IFC Models with bSDD	Frédéric Grand
10:45 AM	11:45	Data Templates Future in bSDD	Wolgang Wilkes
11:15 AM	12:15	GraphQL API	Madhumitha Senthilvel
11:45 AM	12:45	Q&A session	
12:00 PM	13:00	Closing	

After tomorrow

- bsdd_support@buildingsmart.org

- ISO 12006-3 published → bSDD officially deployed
- User guidelines (how to use bSDD for IDS, PDT, OTL, etc)
- Data upload challenge / support event April/May 2021

- Development roadmap will be published after formal deployment
  - Depending on funding & resources
  - Get it now at bsdd_support@buildingsmart.org

search.bsdd.buildingSMART.org

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Thank you!

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