Development of the Dutch concept library (CB-NL)

Collaborating on *one* digital language for the Dutch construction industry

Introduction

- Bram Mommers
- Senior Consultant Information Management

- BIM workinggroup ARCADIS Europe
- Building Information Council (program agency)

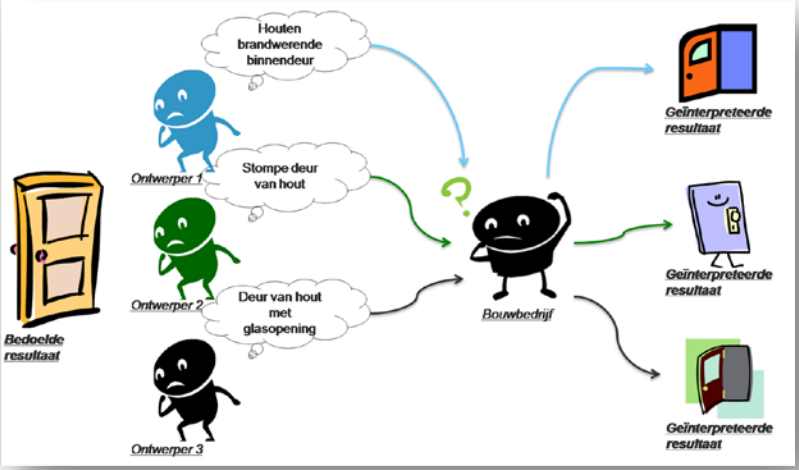
- General Secretary CB-NL (ICT)
- Steering committe bSDD (buildingSMART)

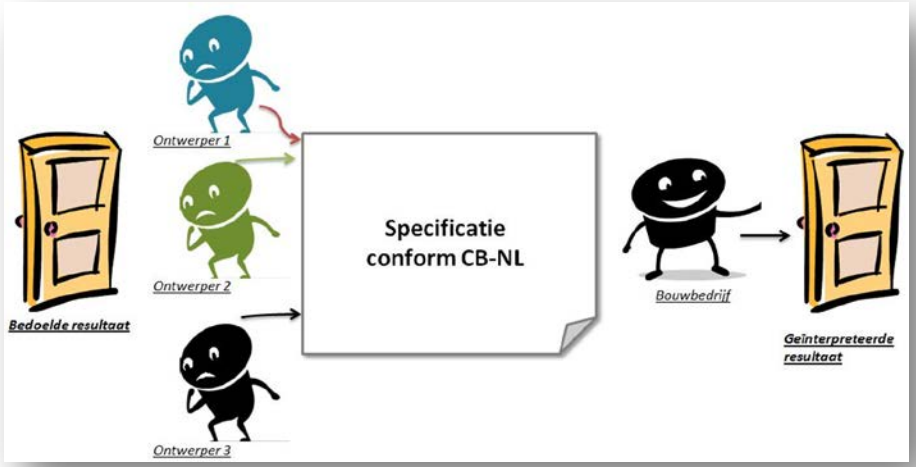
Why developing the CB-NL?

Starting point:

Digital miscommunication in the construction industry due to the lack of an clear common language

CB-NL defines this common language





- Information exchange
- Lifecycle or supply chain integration
- Connecting product libraries
- Stimulates innovation in the construction industry
- More efficient than everyone for themselves
- Single storage, multiply use

- Less costs due failure
- Less transaction costs
- Less information loss
- Less development costs

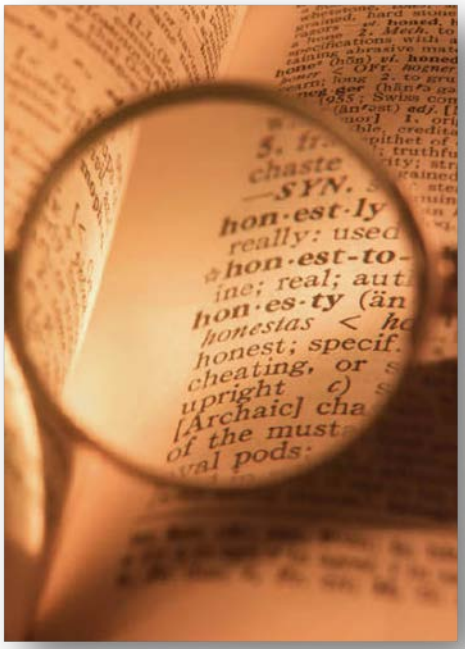
What is the CB-NL?

An digital description (definition) of generic, re-usable concepts (types):

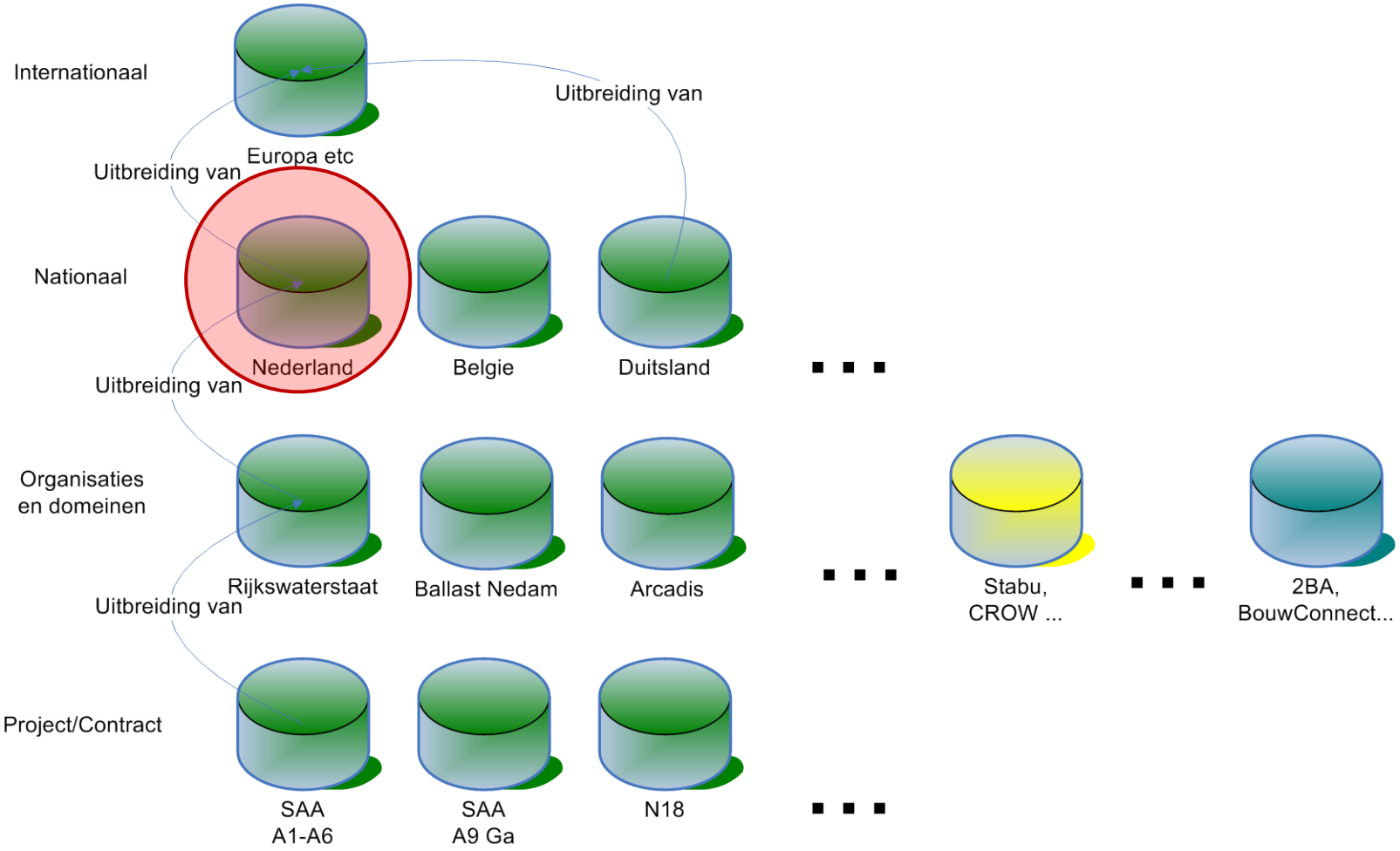
- Physical and functional objects
- Properties

- Free to use in any way (open standard)
- Will be mandated by big public clients

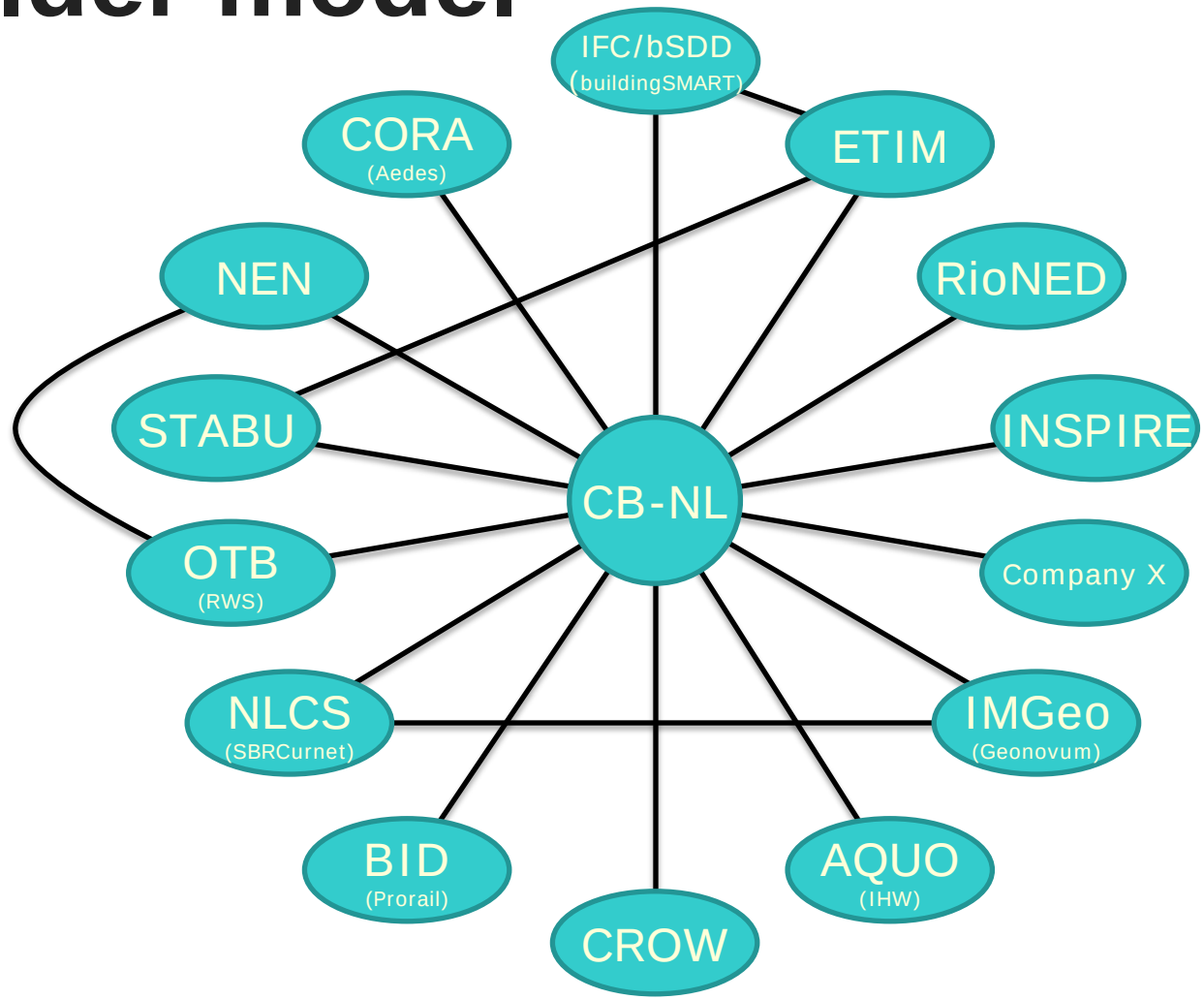
- The entire lifecycle
- B&U, GWW and GIS



Distributed Libraries



Polder model



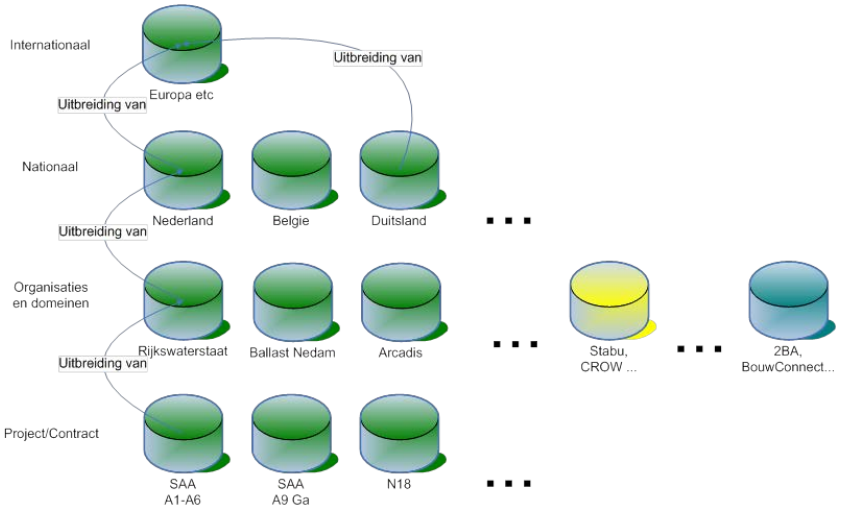
Choice for RDF/OWL

- RDF/OWL
- OWL is an extension on RDF
- AAA: Anybody can say Anything about Anything

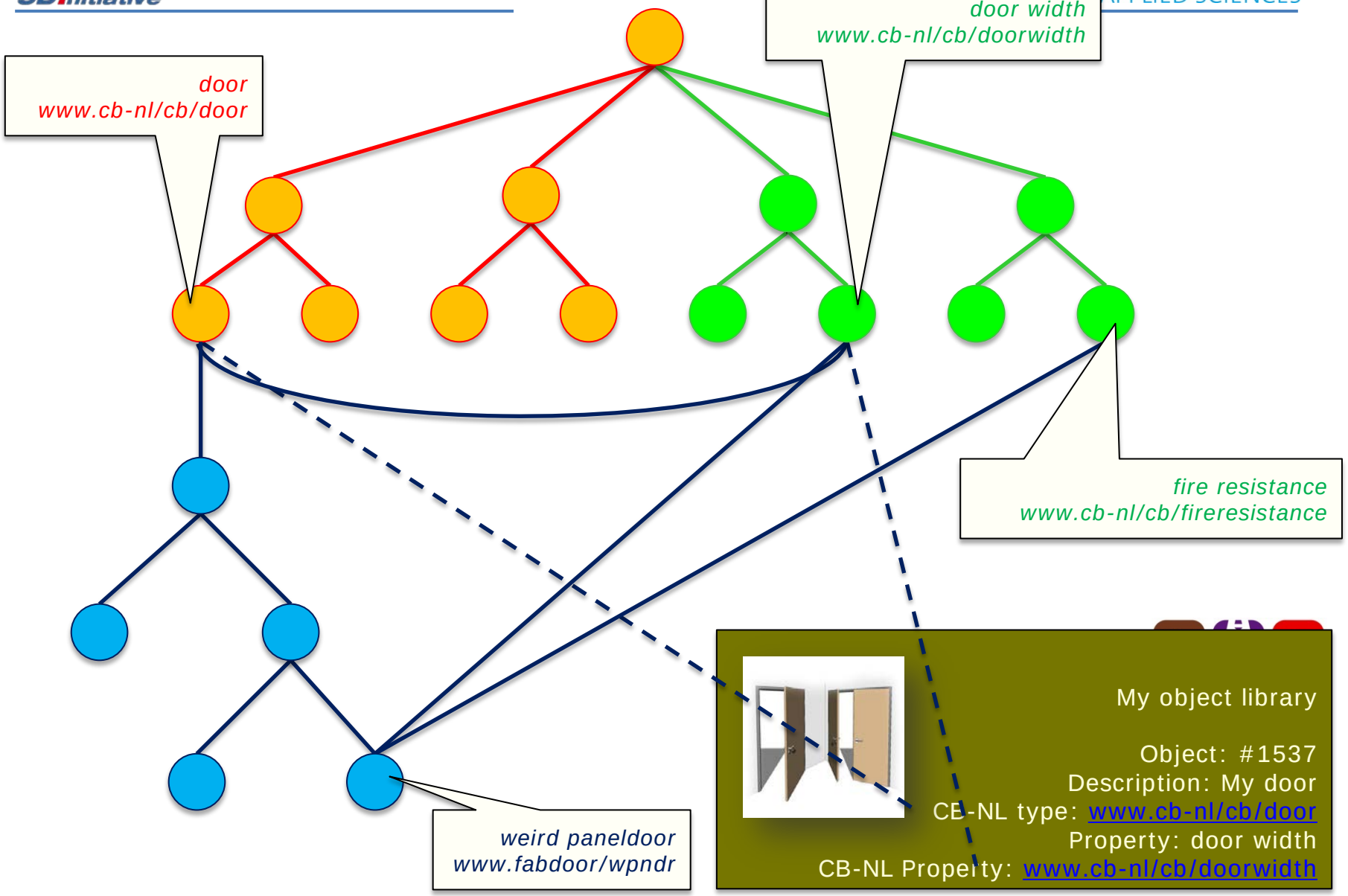
- Semantic web technologies
- Follows CB-NL philosophy

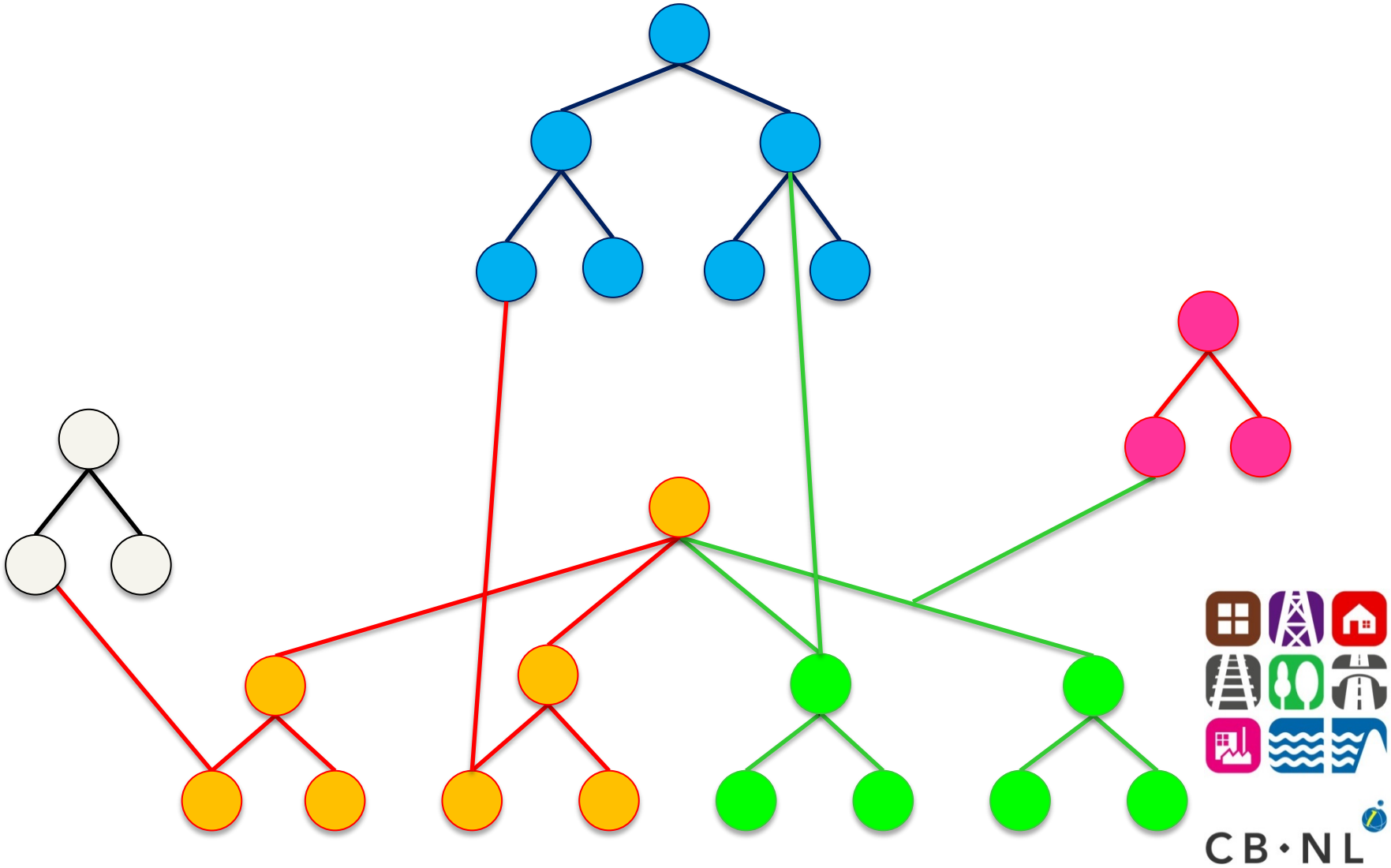
- Open source available

- Getting mature



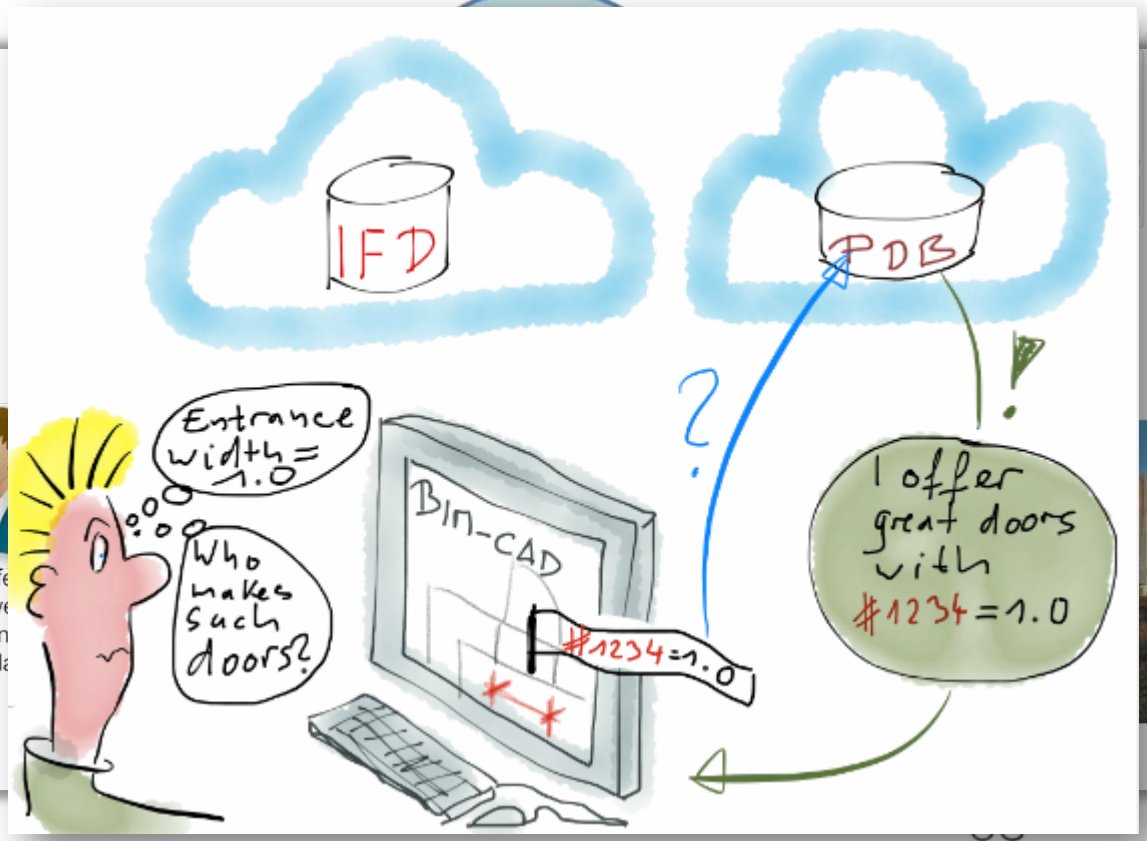
Lake Constance 5D-Conference 2013





Use

- As
- As
  info
- As
- As
  gen



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Current status

Content:

- Work plans ready
- Starting evaluating content and mapping sources

Dutch source holders:

- Agreements about using existing semantic sources

ICT:

- Modeling Guide (modeling rules, reference model, top level, uri)
- Initial content CB-NL for B&U and GWW
- CB-NL (concept) available
- International connection (bSDD)

Vendors:

- 4 Beta demonstrations from vendors

Questions and discussion

Visit us at www.cb-nl.nl