BIM Loket
The Dutch BIM gateway

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Radboud Baayen
BIM Loket
Content

- BIM Loket and Building Information Council
- Dutch Building Agenda
- Focus 2017 and communication & adoption strategy
- International cooperation and discussion
BIM Loket – the Dutch BIM Gateway

A national point for information and management of open BIM standards in the Netherlands, initiated by the Building Information Council

Goals:
- Central information on open standards
- Stimulate use
- Common management
- (inter)nat. cooperation
- Connecting knowledge institutes

Budget 1 M Euro per year
Why BIM Loket

Why?
- “One-stop-shop”
- Synergy & efficiency
- Involvement of all stakeholders -> one Steering wheel for coherence and development

Why urgent?
- Digitization of the building industry
- Urgence of a useful palette of open BIM standards
- Opportunity to strengthen Dutch building industry
- Provide a solid base for growth and accelerate willingness to invest in BIM
BIR ambition
Improve quality, continuity & competitiveness Dutch industry

BIR main purpose
Stimulate BIM implementation in Dutch Building Industry (flywheel)

Practical benefits
Better understanding
Less mistakes
Work with fun and pride

Strategic benefits
Faster
More efficient
Better value
Higher quality, more sustainable

BIM Loket: focus on Open BIM Standards
BIR: focus on BIM
Open BIM-Standards and guidelines

Semantics
- NL/SfB
- ETIM
- CB-NL
- IMGeo
- NLCS
- GB-CAS
- COINS
- IFC

Exchange

Process
- VISI (IDM Part 2)
- SALES
- National Model BIM Protocol
- National Model BIM Executionplan
- BIM Basis ILS (Basic Information Delivery Manual)
BIM uses

**Gather**
- Use of BIM in gathering and structuring building information on a model.
- For example, teams can use BIM in project planning and execution.

**Generate**
- Use of BIM in generating various outputs.
- For example, design and construction.

**Analyze**
- Use of BIM in analyzing and optimizing various aspects of the project.
- For example, cost and schedule.

**Communicate**
- Use of BIM in communication and coordination.
- For example, among stakeholders.

**Produce**
- Use of BIM in production and fabrication.
- For example, in the construction phase.

**Fabricate**
- Use of BIM in fabrication and assembly.
- For example, in the manufacturing of components.

**Assemble**
- Use of BIM in assembly and installation.
- For example, in the installation of components.

**Document**
- Use of BIM in documentation and record-keeping.
- For example, in the creation of as-built drawings.

**Machinery control**
- Use of BIM in machinery control and automation.
- For example, in the control of equipment.

**Regulate**
- Use of BIM in regulation and compliance.
- For example, in meeting building codes.

**Capture**
- Use of BIM in capturing and integrating various data.
- For example, from different sources.

**Specify**
- Use of BIM in specifying and detailing.
- For example, in the design and construction.

**Exchange**
- Use of BIM in exchanging and sharing information.
- For example, among different teams.

**Visualize**
- Use of BIM in visualizing and presenting the project.
- For example, in the design phase.

**Fabricate**
- Use of BIM in fabricating and assembling components.
- For example, in the manufacturing phase.

**Assemble**
- Use of BIM in assembling and integrating components.
- For example, in the installation phase.

**Document**
- Use of BIM in documenting and maintaining records.
- For example, in the project lifecycle.

**Machinery control**
- Use of BIM in controlling and automating machinery.
- For example, in the operation phase.

**Regulate**
- Use of BIM in regulating and enforcing compliance.
- For example, in meeting safety standards.
Example Zuidasdok
Creating an OTL based on CB-NL
Building Agenda (Taskforce Wientjes)

- 11 Roadmaps:
  - Houses
  - Non-residential construction
  - Infrastructure
  - “Groningen”

- 5 Cross-cutting theme’s, e.g.:
  - Digitalization and Information
  - Human Capital
Building Agenda – Digitilization and information: Enabler for collaboration and driver for innovation

Desired situation:
"In 2021 organizations in the building sector collaborate integral to the societal goals of the Building Agenda via seamless flow of information"

- Acceleration of the implementation of digital highway for building information (with open standards and open digitalization)
- Role for public sector and market!
- Out of common vision and ambition initiative for (stimulation) policy and regulation
Focus 2017

Enabler of collaboration in the digital building, maintenance and use process via focus on open BIM-Standards

“Clubhouse”

Communication and putting on the agenda

Maintenance of open standards with coherence
Communication and adoption strategy

- Building partners
- Commissioning parties
- Policy makers
- Software makers
- Knowledge institutions

Change management

want
Have to
Be able
Intention
Behaviour
“Want to” (dialogue)

Via BIM Loket Knowledge events, e.g.
-> Workshop BIM & Municipalities (March 2017)
-> Knowledge day 6 October 2017 in Soesterberg
“Have to” (why) - Need for adoption open BIM standards strengthened by policy developments

Environmental law, Archive law

Law on Key registers

WKB Quality

Market vision

Citydeal Digital Housing

Environment (mun. Eindhoven,..)
“Be able to” (information channel)
Basic information delivery manual
International Cooperation

We bring:
- Standards and User leadership of the Netherlands (RWS, Schiphol, Rotterdam,...)
- One coherent voice together with buildingSMART chapter Benelux
- Our expertise, experience, user-stories (CB-NL, COINS, VISI, Linked Data, GeoBIM, ...)

We seek:
- International user and (software) leadership on open BIM standards
- Professional knowledge network, *with the user in mind* -> from technology driven standards to practical used standards and exchange of lessons learned
BIM in global perspective

USA
- Passive government
- Fragmented approach
- Level 1 BIM
- AIA-LODs
- Slow BIM level 2 uptake

UK
- Active government
- UK Mandate Level 2
- PAS1192
- Ambition to be the global leaders in BIM

France
- Active government
- Statement
- Are developing standards/guidelines
- Fast uptake of BIM

Germany
- Active government
- Mandate in 2020
- Are developing standards/guidelines
- Growing uptake

Netherlands
- Active public clients
- Poldermodel (BIR, BIM Locet)
- The I from BIM (SE)
- CB-NL, NL-SFB, COINS

Scandinavia
- Active Government
- Mandates
- buildingSMART
- Pioneers in BIM

Singapore
- Active government
- Mandate for buildings
- IFC
- National guidelines and roadmap in place

Chili
- Active government
- Mandate in 2020
- Clients mandate BIM
- International standards
- Growing uptake

Middle East
- Active government
- Clients mandate BIM
- UK BIM Standards
- Quick uptake > Smart Cities

Australia
- Active Government
- Mandate is being considered
- Clients mandate BIM
- Adjusted UK standards

Challenge for the Netherlands 2017: combine strength Poldermodel and active government policy via Building Agenda Wientjes

Bron: Arcadis, 2016
Discussion

- What can we learn from the UK?
- What can UK learn from the Netherlands?
- ....
Thank you for your attention!

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- Please subscribe to our English newsletter!
- Your questions and comments are welcome at helpdesk@bimloket.nl

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