WORKSHOP I
OPEN BIM – INFORMATION REQUIREMENTS

Dublin, 1 June 2023
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THE WORKSHOP

 WHY?
Response to the needs of our members to specifically share their own knowledge, experience, concerns, and challenges that they go through when implementing information management (BIM) in their daily practice.

 WHAT?
Share of knowledge, experience, concerns and challenges

 GOAL:
To go to practical detail with a focus on the principles of governance, definition, and specification of structured data information requirements for individual organizations or projects.

 WHO?
The workshop participants were representatives of EU policymakers and large public clients from 11 countries – Croatia, Czech Republic, Estonia, Germany, Greece, Ireland, Italy, Latvia, Netherlands, Norway, and Spain.

THE OUTPUT IS INTENDED FOR THE ACHIEVEMENT OF COMMON GOALS
- a free market
- a transparent and non-discriminatory competitive
- environment
- efficient spending of public money
- support for digitization
- the Green Deal
- reducing the carbon footprint, etc
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FINDINGS

1. We believe that BIM (Building Information Modelling) means information management focused on digital processes, communication and sharing as much information as possible in the form of structured data enabling machine processing (sharing, transmission, validation).

2. We, as the public sector, implement BIM to help us build and operate buildings and infrastructure more efficiently and with better quality.

3. Our goal is well-implemented information management (BIM) which can quickly provide comprehensive, validated and current information for our decision-making (people and technology) at the right time and place.

4. To achieve the goal above, we need to collect all the necessary information about the building during its life cycle in one place, i.e. create an information model of the building. In plain language, an Information model is a collection of linked digital models (geometry and structured data), documents, processes and communications. The information model is more useful when we have structured data – for searching, analyses, reports and machine-readable processes.
WORKSHOP 1
SPECIFIC - STRUCTURED DATA
REQUIREMENTS

DOCUMENTATION

GEOMETRICAL
IFC

ALPHANUMERICAL Properties

Data template

Information requirements

INFORMATION PRODUCTION

Software
Supporting tools to specify and validate information requirements in open formats

Information exchange

DIGITAL MODELS IFC

PROCESSES

DOCUMENTS

COMMUNICATION

LEVEL OF INFORMATION NEED

WHO
Actors

WHAT
Object

WHY
Agreed Purposes
Starting list of purposes for the actors

WHEN
Milestones

knowledgebase of requirements

DATA DICTIONARY
Available for free* for public sector and industry; human readable and open format

*Governance should be paid for by authorities as an investment for the digital transformation of the asset industry

EU level

National level

Organization level
We need interoperable data dictionaries based on EU and national levels. We need to awaken activities at these levels to start building them.

Attract government, public sector and industry experts to create an agreed specific list of purposes and choose essential purposes to start building the data dictionaries’ core.

To send clear messages to the software industry to attract them to deliver interoperable tools for specifying and validating information requirements and, foremost, working with them to deliver efficient outcomes to all actors.