EU BIM TASKGROUP

Knowledge transfer workshops

for EU BIM Task Group members and public sector

EU BIM TASKGROUP

WHO?

Voluntary group of public clients and policy makers involved with digital construction

WHY?

Smart European Public Clients, who

- save resources
- make decision based on data
- contribute to common EU policy

HOW?

Support public clients responsible for the built environment to implement digital transformation in practice

WHO ARE MEMBERS?

Austria
Belgium
Bulgaria
Croatia
Czechia
Germany
Greece
Denmark
Estonia
Finland
France
Iceland
Ireland
Italy
Latvia
Lithuania
Luxembourg
Netherlands
Norway
Poland
Portugal
Slovakia
Slovenia
Spain
Switzerland
Sweden
Hungary
Ukraine

EU BIM TASKGROUP

STRATEGIC AND OPERATIONAL ROADMAP

05 key objectives
19 proposed activities

2024 actions

A BENEFITS OF BIM

- **A1.** Cost benefits analysis
- **A2.** Pilot project results
- **A3.** Measurement

B RELIABLE INFORMATION AND GUIDELINES

- **B1.** Guidelines for public procurement
- **B2.** Advise EC on PPD
- **B3.** EU BIM webside development
- **B4.** BIM innovation reward

C STANDARDISATION

- **C1.** Liaison communication plan
- **C2.** Open BIM
- **C3.** Common classification system

D KNOWLEDGE TRANSFER

- **D1.** Regular meetings between members
- **D2.** BIM conference for public procurers
- **D3.** Legal entity
- **D4.** Network of who is who with expert pool

E SUPPORT MEMBER STATES INITIATIVES

- **E1.** Unified Digital Platform
- **E2.** Better Funding
- **E3.** Data Security
- **E4.** Built environment Data privacy
- **E5.** Knowledge transfer – workshops

KNOWLEDGE TRANSFER WORKSHOPS – 2023

Format: 1-day, in-person, active roundtable disucssions, 30 people max, common conclusion.

WS1, OpenBIM in procurement and practice (*June/Dublin*)

WS2, Common Data Environment (*Sep/Prague*)

WS3, Impementation of BIM from organizational aspects (*Nov/Rome*)

KNOWLEDGE TRANSFER WORKSHOPS – 2024

WS4, Facility management (*Februrary/Strasbourg*)

WS5, Green IT (*May/Nice*)

WS6, Human factor (*June/Athens*)

WS7, Classification systems (*Sept/Šibenik, Croatia*)

Workshop topics are still under discussion.

Workshop objectives

- Share practical experience on the topic of the workshop
  to support the knowledge of public clients. Enable new personal connections.
- Address and amplify the needs of the public sector to policymakers and standardization bodies and to as well as provide realistic feedback from implementing BIM in practice.

- **Workshop outcome: EUBTG knowledge and suggestion document**

- Don't try to solve topics but only specify common needs, experiences and actual challenges.
- Keep focused on selected topics and aim a discussion to practical conclusions or suggestions.
- **Less in detail is more than „all“ just on the surface in phases.**

Session organization – 90 minutes

- **10’** Introduction to the session topic
- **5’** Individually identify a one-line question related to the topic and write it on a post-it
- **20’** Table discussion above post-its
  - For each question, read it to the table. Everyone can respond with a clarifying question
  - Everyone at the table can prepare a response / suggestion
  - Discuss the responses with the table, capturing new ideas
  - **Identify which max. 3 questions to present back and discuss with the room**
- **5’** In the common section „table spokesman“ present back to the room and discuss (5x5 = 25 mins)
- **20’** Common discussion to find session conclusions

Athens workshop

Digital transformation: What is that???☺

Digital transformation of the construction industry

Key factors of digital tramsformation:

1) Technology
2) Human factor
3) Process Optimization and Management
4) Regulatory and Compliance Requirements

All of them need to be connected and balanced in organization digital transformation strategy!

EUBIM TASKGROUP

1) Technology

- **Building Information Management (BIM)**
  - Detailed Planning and Visualization, Collaboration and Communication, Lifecycle Management
- **Internet of Things (IoT)**
  - Real-time Monitoring, Predictive Planning and Maintenance, Enhanced Safety
- **Artificial Intelligence (AI) and Machine Learning**
  - Data-Driven Decision Making, Automation of Repetitive Tasks, Quality Control and Risk Management
- **Advanced Construction Technologies**
  - Prefabrication, 3D Printing, Drones, Robotics
- **Cloud-Based Solutions**
  - Data Accessibility and Storage, Collaboration and Document Management, Scalability and Flexibility

2) Human factor

- **Leadership and Vision**
  - Strategic Direction, Change Management
- **Workforce Training and Development**
  - Skill Enhancement - reskilling and upskilling
- **Employee Engagement and Buy-in**
  - Involvement in the Process, Incentives and Motivation
- **Collaboration and Communication**
  - Interdisciplinary Collaboration, Stakeholder Engagement
- **Cultural Shift**
  - Embracing Innovation, Adaptability and Flexibility
- **Integrating Human Factors**
  - Holistic Approach, Feedback Loops, Support Systems

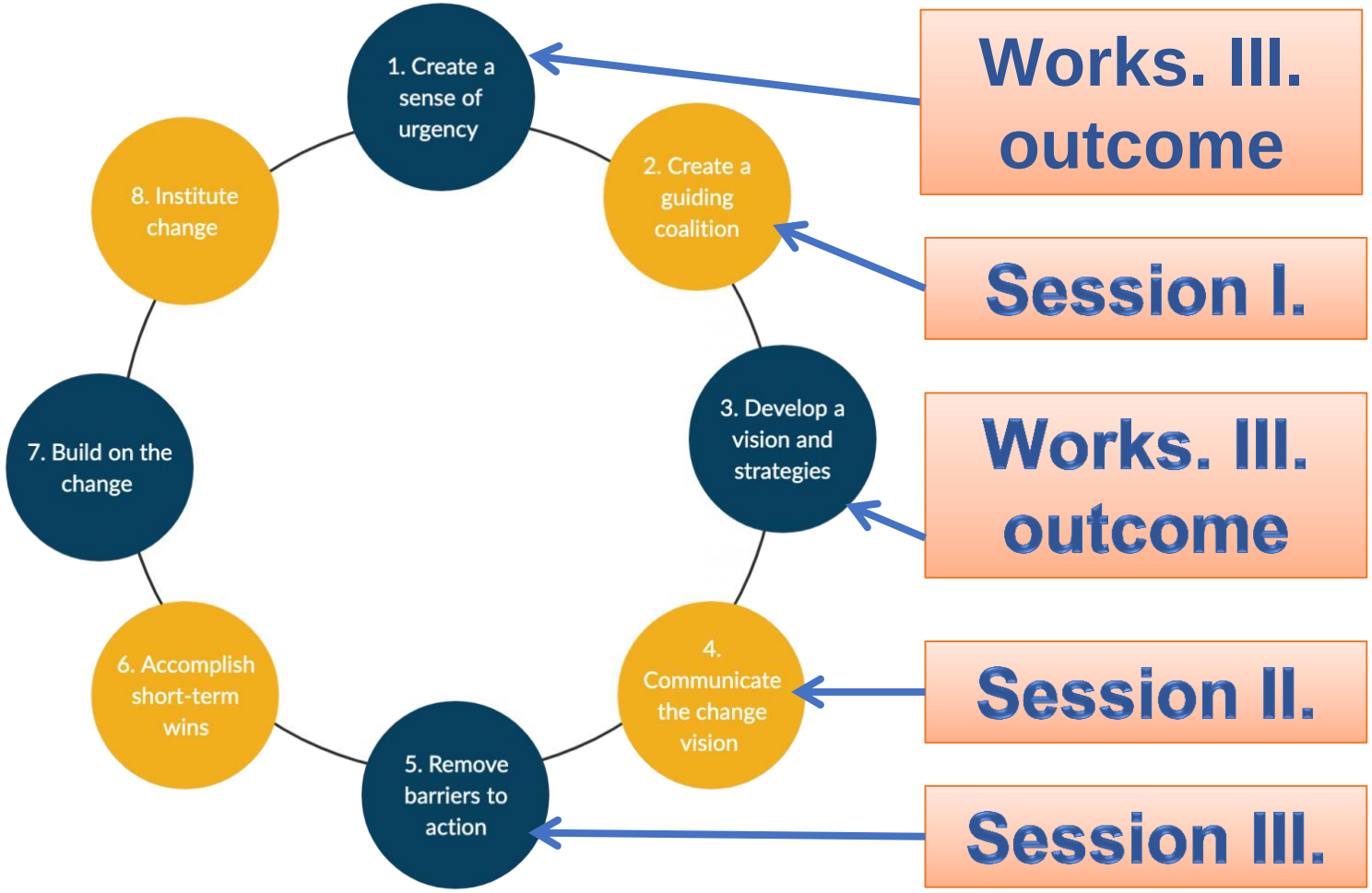
3) Process Optimization and Management

- **Standardization of Processes**
  - Consistency and Efficiency, Best Practices
- **Lean Construction Principles**
  - Waste Reduction, Value Stream Mapping
- **Agile Project Management**
  - Flexibility and Adaptability, Incremental Delivery
- **Supply Chain Integration**
  - End-to-End Visibility, Collaborative Partnerships
- **Performance Metrics and KPIs**
  - Data-Driven Insights, Continuous Improvement

4) Regulatory and Compliance Requirements

- **Adherence to International/National/Organization Standards**
- **Permitting and Approvals**
  - **Streamlined Processes:** Using digital tools to streamline the permitting and approval processes, reducing delays and ensuring timely project completion.
  - **Documentation and Reporting:** Maintaining accurate and up-to-date documentation and reporting to meet regulatory requirements and facilitate audits.
- **Risk Management**
  - **Compliance Audits**: Regular compliance audits to identify and mitigate risks associated with regulatory non-compliance.
  - **Legal Considerations:** Addressing legal considerations related to contracts, liability, and intellectual property in the digital transformation process.

Kotter's model for Change Management.



Kotter's change model is an 8 steps approach to effecting significant change in practice and organisations. [8]

This model focuses on creating urgency in order to make a change happen. It walks through the process of:

1. **Initiating**
2. **Managing**
3. **Sustaining the change.**

Focus of this workshop:

1) **Define actors (internal&external), their roles, responsibilities and skills related to BIM we need**

2) **How to organize and communicate the change**

3) **Practical arguments, actions and steps to convince, and educate actors (internal & external)**

EUBIM TASKGROUP

Thank You!

+Collaboration and transparency is key

+Make public data accessible and open

+Use international OPEN standards

+Be bold and agile!

Jaroslav Nechyba
admin@eubim.eu
LinkedIn profile
+420 603145547