



General Assembly

15th of December 2020
online





Agenda

9:30-9:35 Welcome and introduction by Souheil Soubra, chair of the EU BIM Task Group

9:35-10:00 Presentation by Fulvia Raffaelli, Head of Unit. Clean Technologies and Products.
DG GROW

10:00-10:30 Election of the Chair, Deputy chairs and new Steering Committee

10:30-10:45 break

10:45-11:45 (including Q/A) Progress on the Roadmap actions:

- Information on the cost benefit analysis (A1)
- Information on the classification initiative (linked to C3)
- Information on the H2020 project DigiPLACE (linked to E1)

11:45-12:30 Suggestions for 2021 actions and AOB

Welcome

European group of **public procurers and policy makers** who bring together the collective expertise and purchasing power for a **successful implementation of BIM** in Europe.



Role of the EU BIM TASK GROUP



Demand side

1. Public authorities (and EC)
2. Public procurers



Enablers

(CEN, ISO, bSI, OGC, ...)



Supply side

Construction
lifecycle sector

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
- UK





Presentation by Fulvia Raffaelli
Head of Unit Clean Technologies and Products
DG GROW

General Assembly – 15 December 2020



Election of the Chair, Deputy chairs and new Steering Committee

General Assembly – 15 December 2020

Proposal from the Steering Committee: Possibility of having 2 Deputy Chairs

- In order to better share the work load, possibility to appoint two Deputy Chairs (and not strictly one)
- Modifications to the governance document accordingly:

“... up to three ~~two~~ of its members to act as the Chair and up to two Deputy Chairs of the EU BIM TG. The term of office of the Chair and the Deputy Chairs is two years. The term is renewable once.”

Election of Chair and Deputy Chairs – Proposal from the current Steering Committee



Souheil Soubra / Chair of the EU BIM TG

Director of Information Technologies at CSTB (Scientific and Technical Centre for Building)
Delegated by French Ministry for Ecological & Inclusive Transition and Ministry of Territorial Cohesion



Milena Feustel / Deputy Chair of the EU BIM TG

German Institute for Federal Real Estate



Jaan Saar / Deputy Chair of the EU BIM TG

Head of Digital Construction – Estonian Ministry of Economic Affairs and Communications



New Steering Committee – Proposal from the current Steering Committee



- CZ: Jaroslav Nechyba
- DE: Milena Feustel (Deputy Chair)
- EE: Jaan Saar (Deputy Chair)
- ES: Susana Espana (Jorge Torrico)
- FR: Sara Angotti
- IT: Pietro Baratono (Cinzia Gatto)
- NL: Benno Koehorst
- LT: Dainius Cergelis
- NO: Ramnath Falch Ambathy
- + Chair: Souheil Soubra

New members of the Steering Committee



- Proposal from Greece: Liana Anagnostaki (TCG's Head Directory of Public Relations, International and European Affairs)
- + 1 position left:
 - Call for candidates

Partnership agreement with the UK



- The EUBIMTG and the UK confirm their respective intent to continue the successful collaboration on the digitalisation of the construction sector and the built environment
- **It is proposed to the General Assembly that the UK would hold a 'Special Partner' role to the EUBIMTG:**
 - The UK and EUBIMTG group recognise that the agreement is of a voluntary nature and no legal responsibility will be attached to the partnership
 - The UK will contribute its experience and knowledge on the digitalisation agenda (and BIM specifically) to the EUBIMTG and its projects as invited.
 - The UK will seek no further position in the governance of the group



Progress on the Roadmap actions

General Assembly – 15 December 2020



EU BIM
TASK GROUP

STRATEGIC AND OPERATIONAL ROADMAP

05 key objectives
19 proposed activities

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 website 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

A1**Cost Benefit Analysis for BIM**

- Tender launched by DG GROW and won by the Italian company RINA
- Duration 18 months
- Develop a methodology and a calculation tool to measure the benefits of BIM for public authorities and quantify as far as possible the costs/benefits
- Action led by Germany

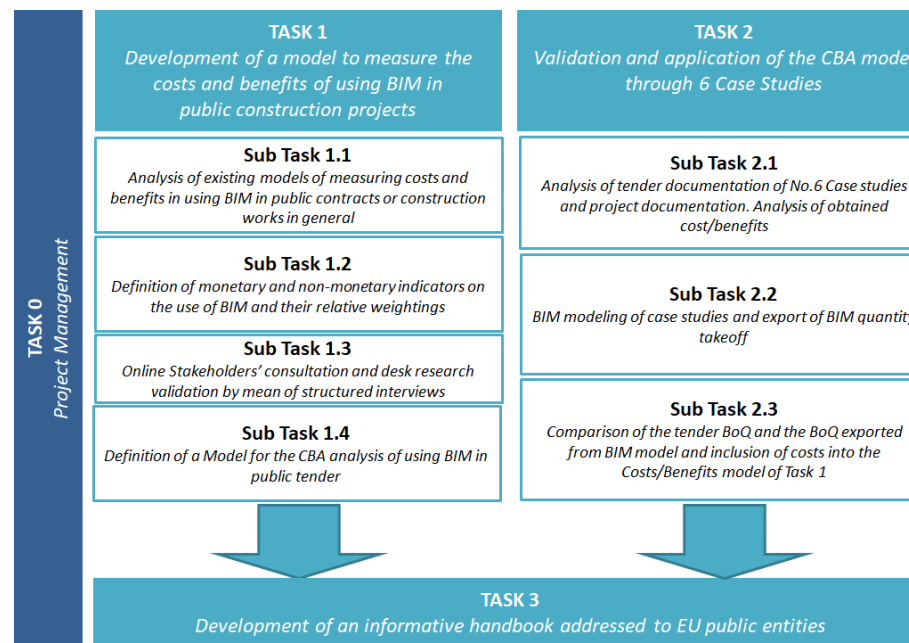
A1 Cost Benefit Analysis for BIM

- ToR as defined by the EC
- Around 250 000 public procurement entities in the EU have to procure, maintain and operate buildings, hospitals, schools, roads, bridges or tunnels for their regions or municipalities, central governments or central procurement bodies.
- **So far, it is not simple to provide clear evidence especially for the operational level (federal, regional and local PP authorities) on the costs and benefits to them when using BIM.**
- **Thus, it would be necessary to develop a clear and comprehensive methodology and based on it a calculation tool for measuring the benefits of BIM and quantify cost and benefits as much as possible.**
- This service contract aims at the development of a methodology and tool for the calculation of the costs and benefits of using BIM in public construction projects. It should assess expenditures, revenues and non-monetary advantages to society and environment.
- This tool will be tested through 6 case studies, that will serve as examples of how the tool can be used and what results we could expect for its use.
- The methodology developed should be applicable for calculations in all EU Member States.

TENDER: Methodology for cost benefit analysis for the use of BIM in public tenders



OVERALL WORKPLAN: PERT Chart - Tasks interdependencies



European
Commission

Funded and managed by
the European Commission

TENDER: Methodology for cost benefit analysis for the use of BIM in public tenders



OVERALL WORKPLAN: GANTT Chart – Timeline of tasks

Methodology for Cost-Benefit Analysis for the use of BIM in public tenders		Months								
	Respon.	1	2	3	4	5	6	7	8	9
Service Contract Duration										
TASK 0 - Project Management	RINA									
0.1 Project Management	RINA									
TASK 1 - Development of a model to measure Costs & Benefits of using BIM in public construction projects	RINA									
1.1 Analysis of existing models of measuring costs and benefits in using BIM in public contracts or construction works in general	RINA									
1.2 Definition of monetary and non-monetary indicators on the use of BIM and their relative weightings	RINA									
1.3 Online Stakeholders' consultation and desk research validation by mean of structured interviews	B1P									
1.4 Definition of a Model for the CBA analysis of using BIM in public tender	RINA									
TASK 2 - Validation and Application of the CBA Model through 6 Case Studies	B1P									
2.1 Analysis of tender documentation of No.6 Case studies and project documentation. Analysis of obtained cost/benefits	B1P									
2.2 BIM modeling of case studies and export of BIM quantity takeoff	B1P									
2.3 Comparison of the tender BoQ and the BoQ exported from BIM model and inclusion of costs into the Costs/Benefits model of Task 1	B1P									
TASK 3 - Handbook creation	RINA									
3.1 Handbook creation	RINA									

Task 0: M1-M9 (Sep. 2020 – May 2021)

Task 1: M1-M5 (Sep. 2020 – Jan. 2021)

Task 2: M4-M8 (Dec. 2020 – Apr. 2021)

Task 3: M9 (May 2021)



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C3**Common classification system**

- We need a common language to describe the built environment to better facilitate and automate the exchange of machine readable data
 - This should be based on open and international standards, cover the whole built environment, free for end-users, support lifecycle asset management and cost calculation
- Collaboration in Nordics and Easter Europe around **CCIC**

C3**Common classification system**

Non-profit legal entity (IVZW) in Brussels

- Shared ownership/responsibility for governance, strategy and IP
- No money held or transacted
- Solution is provided for FREE
- Current members:
 - **Estonian** Construction Information Foundation
 - **Czech** Standardisation Agency
 - **Polish** buildingSMART Chapter
 - ***Danish Molio***



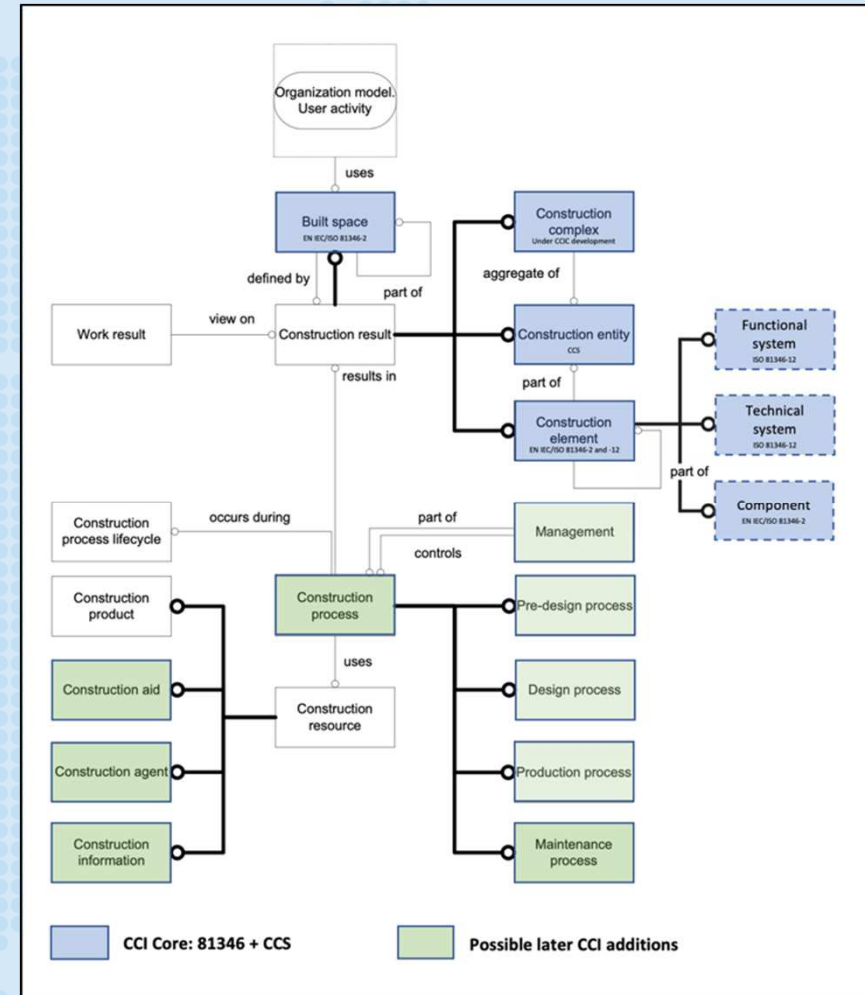
www.cci-collaboration.org

C3 Common classification system

CCI core labels:

- construction entities
- spaces
- functional systems
- constructive systems
- components
- *complex (draft)*

Based on **ISO 12006**, ISO 81346 and Danish CCS.

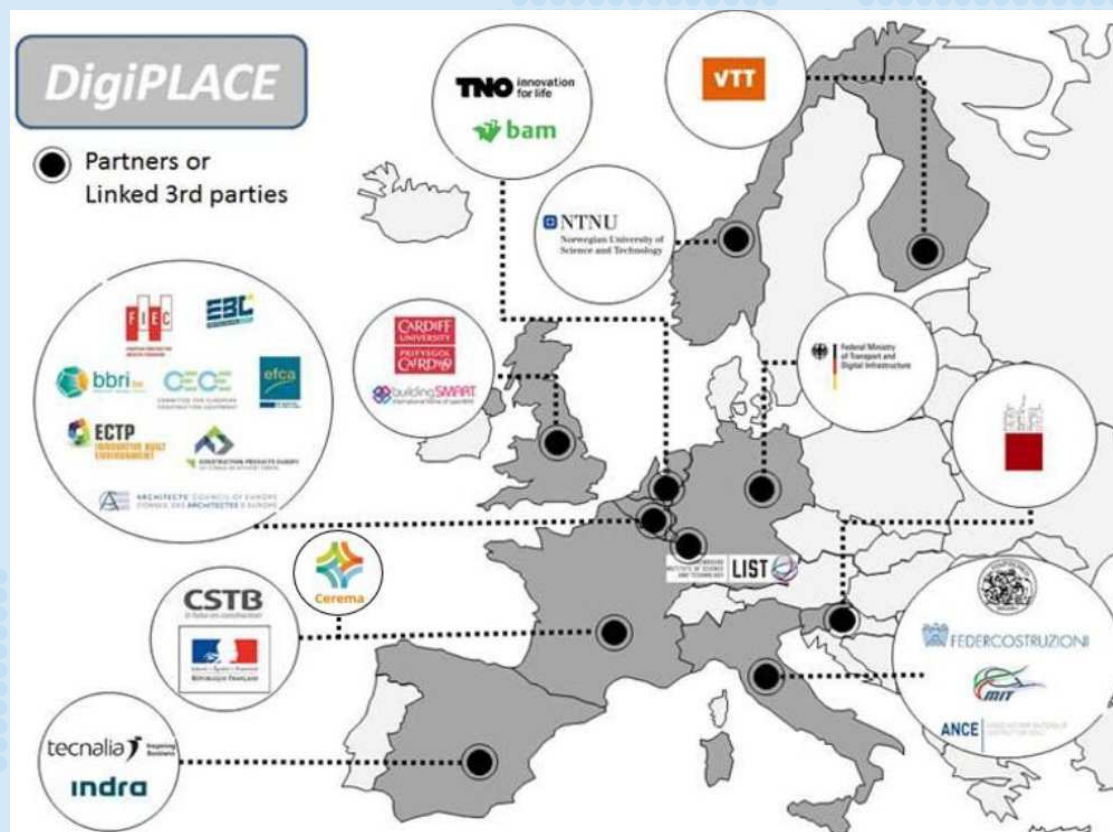


E1**Unified Digital Platform**

- The aim is to support the creation of a common digital platform for the built environment. The platform should be able to open up to public data & public services

→ The activity from EU BIM Task group is close to the **DigiPLACE** project:

- EU-funded project (H2020)
- Budget of €1 million
- September 2019 – May 2021

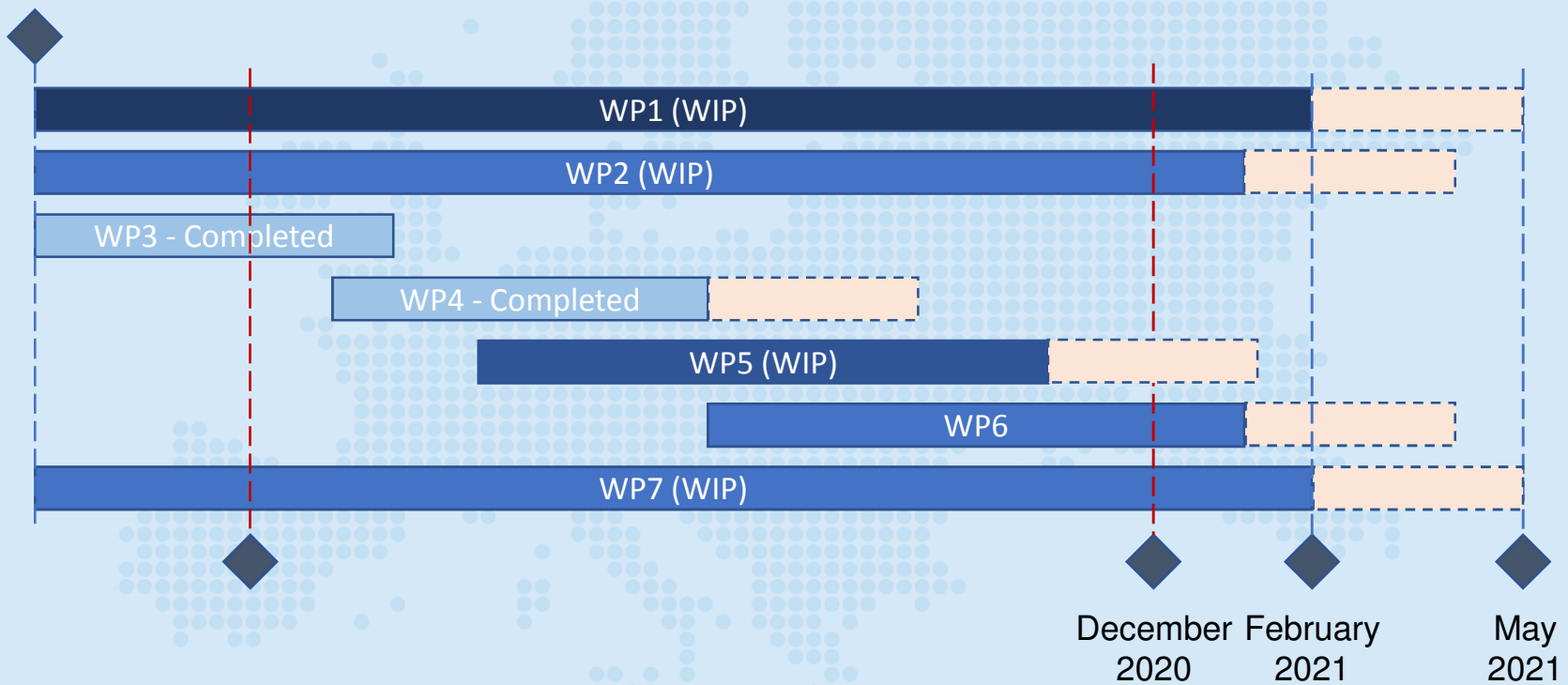


The highest-level objective of the **DigiPLACE** project is to create a **Reference Architecture Framework (RAF)** for the **digital industrial platform** for the **construction sector** based on a shared consensus along the entire chain

E1

Unified Digital Platform

September 2019

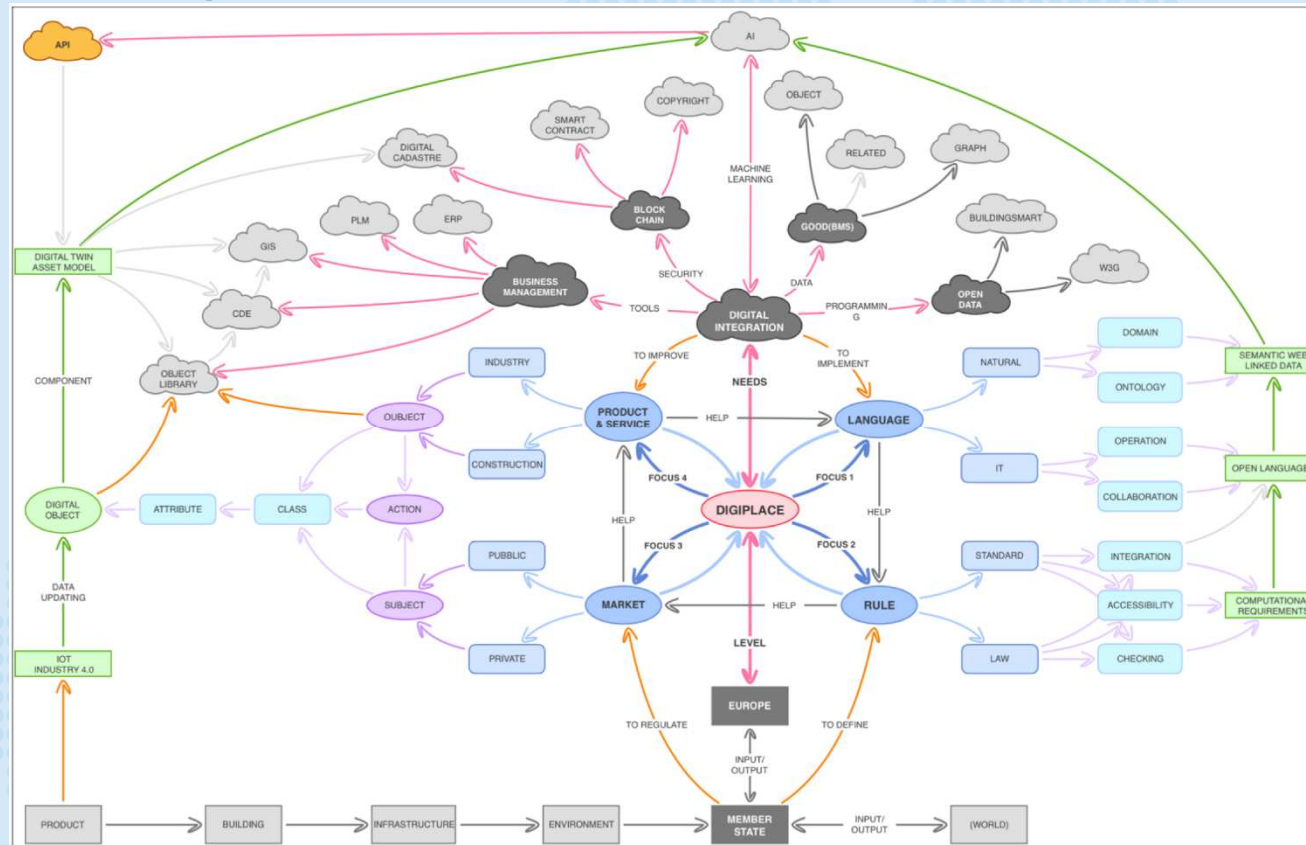


E1 Unified Digital Platform



Key use cases list

Public procurement	Manage calls for tenders with BIM-based approaches and provide easy access to national calls for tenders platforms	
Building logbook	Digital / BIM-based building logbook, to ensure the continuity of information throughout the lifecycle of projects/buildings	<ul style="list-style-type: none"> - Several national initiatives (see above) - B-log study by the European commission
Data on large public infrastructures	Sharing data of large public infrastructures and transnational projects (to be moved in Area 3)	Italy: National Computer Archive of Public Works (AINOP) ²³
Area 3: Data and knowledge sharing		
Data sharing, open data	Access to European technical databases, public administration databases and research databases	e.g. sharing of building permit data
	Business to government data sharing for the public interest	EC initiative on Common Data Spaces
Data analytics and private data sharing	Big data for the construction sector, access to data analytics tools based on the sharing of private data (e.g.: on projects, assets, costs...)	European Commission initiative on Common Data Spaces
Sharing of digitalization best practices	Sharing of BIM and digital best practices through a European platform	Some members of the AB proposed to provide examples of BIM based operations, that could be made available through the platform



E1

Unified Digital Platform



DigiPLACE kick-off meeting

We are waiting you
in the community
of stakeholder:



https://docs.google.com/forms/d/e/1FAIpQLSdvtdZ_C9N-4QrJfF0ahcL0IJ0-TKP-6sLe1ucW5qLF8dR6mA/viewform?vc=0&c=0&w=1



Suggestions for 2021 actions and AOB

General Assembly – 15 December 2020

NEXT STEPS

- Continue our work according to the **Roadmap**
- **Support the European Commission** (DG GROW, Renovation Wave) in their **recommendation to promote BIM in public procurement for construction**
- **Collaborate** with other stakeholders and promote the digital culture within the construction sector
- Stay open for **innovations** and **new strategic priorities** ...





Thank you for your participation

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