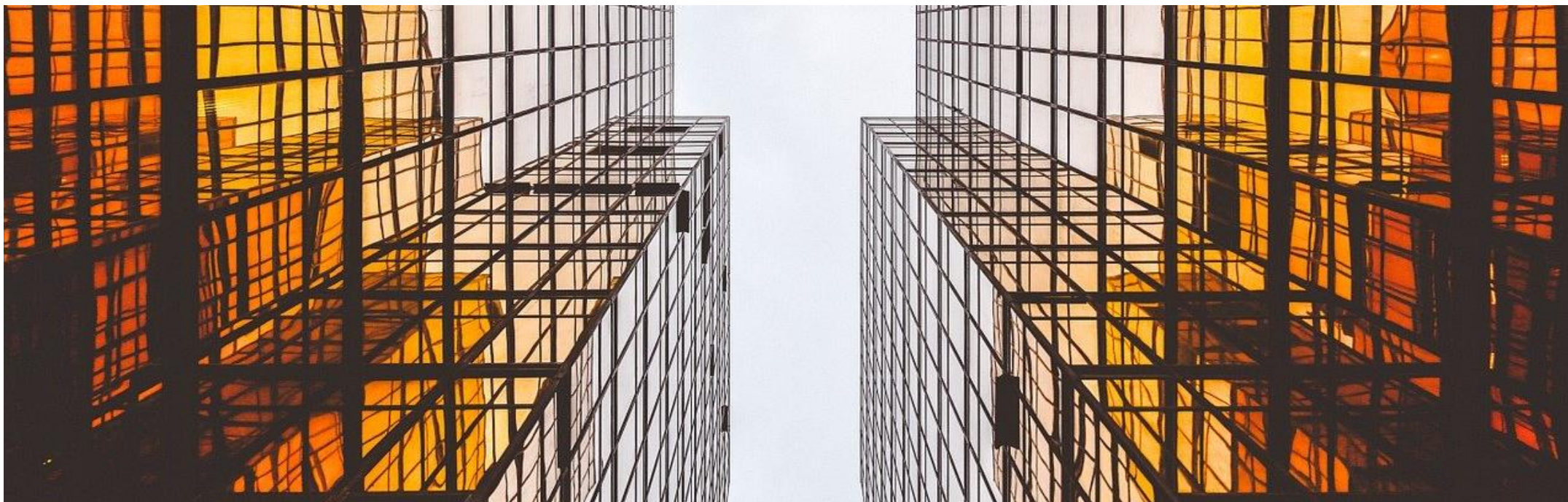


EU Construction Policy

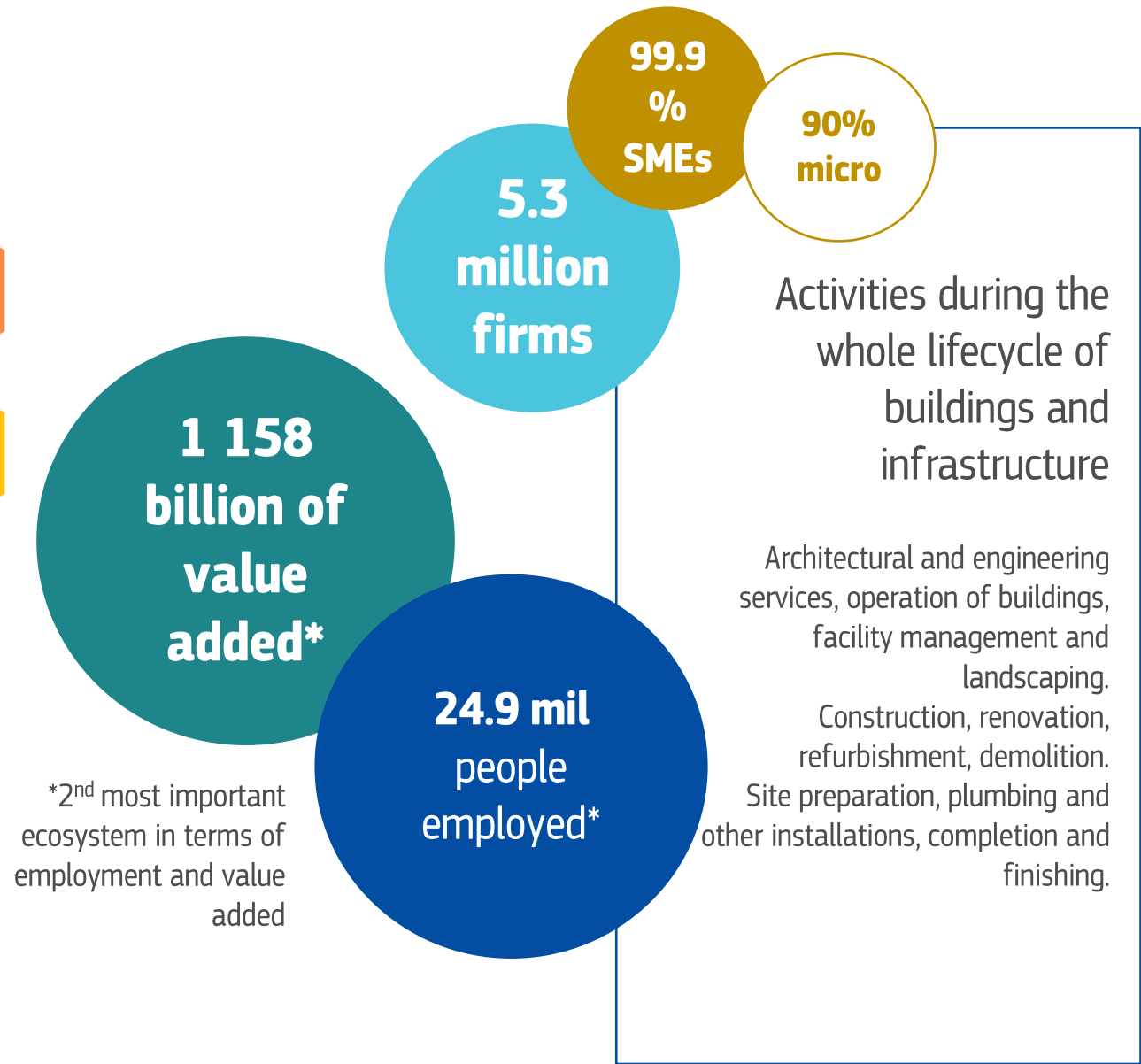
Ilektra PAPADAKI, Team Leader

DG GROW. H1 Construction, European Commission





The Construction Ecosystem



HIGH LEVEL CONSTRUCTION FORUM

A **communication platform** among stakeholders and the Commission regarding Construction

+700 construction **stakeholders** registered

Enabling co-creation for the **transition pathway**

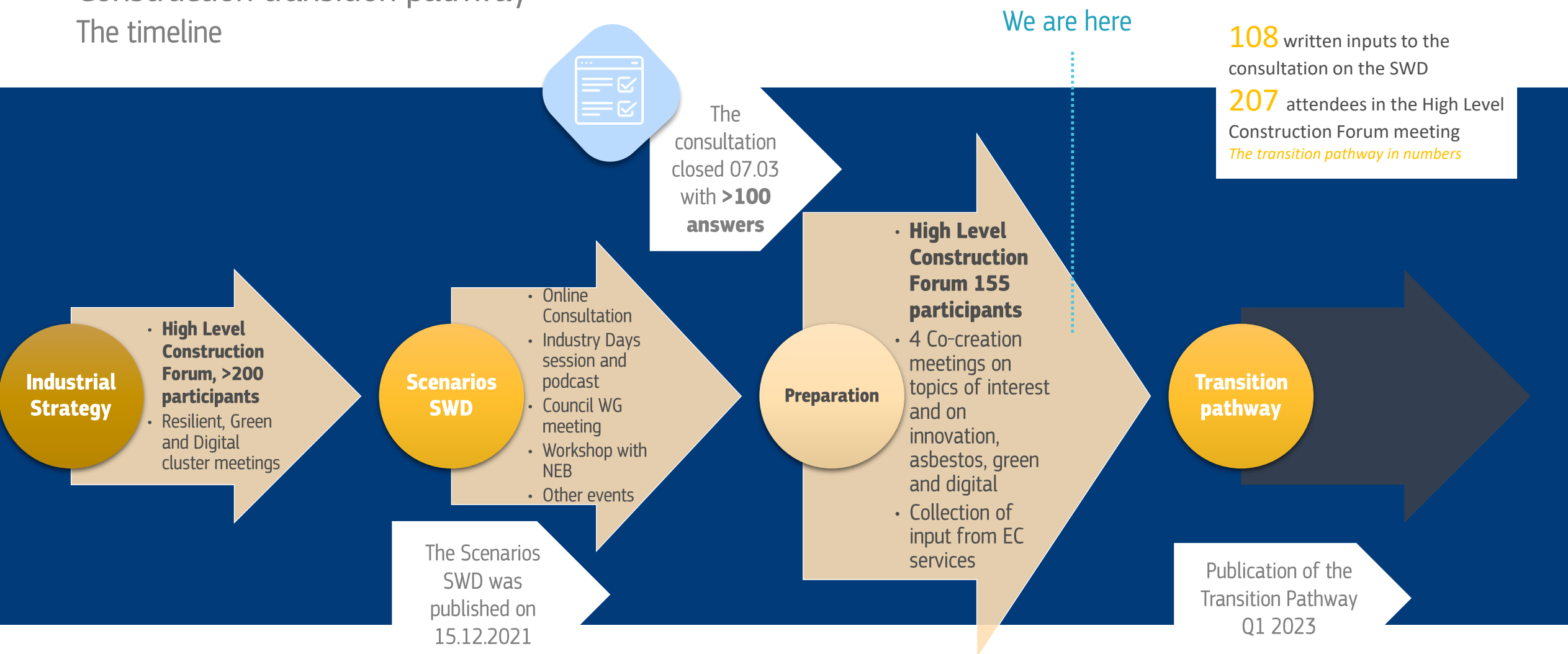
+9 thematic meetings/year

1-2 plenary meetings/year

A frequent **newsletter** with updates, invitations, events

Construction transition pathway

The timeline



EU construction policy: main areas of work



•
competitiveness
and resilience



..
green



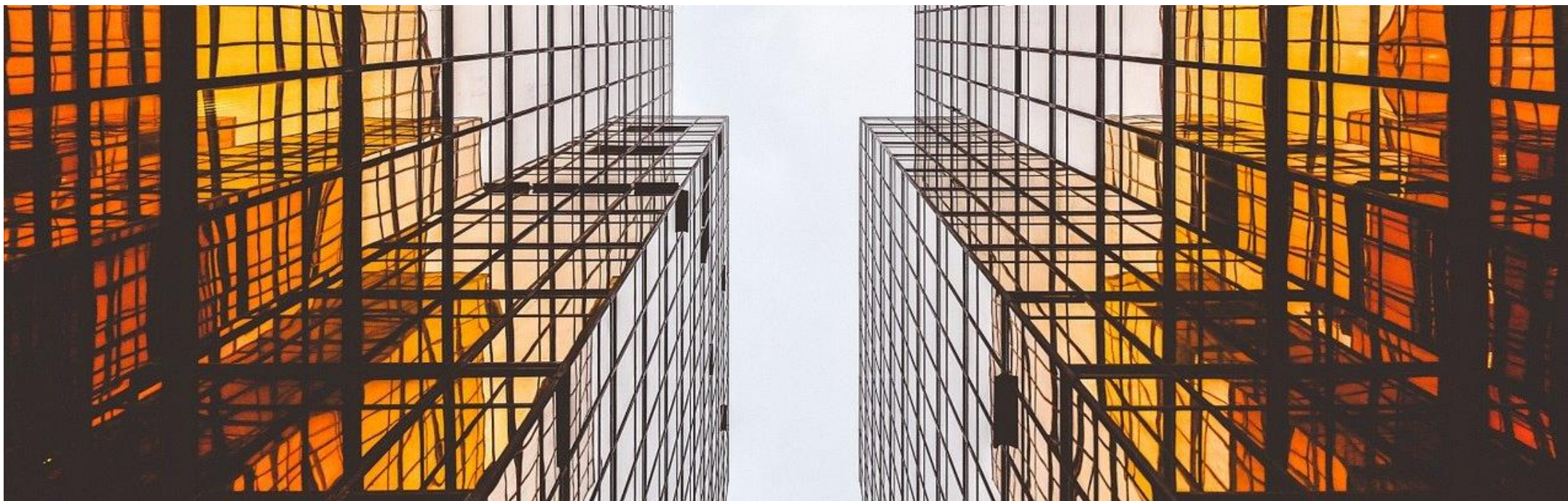
...
digital



Digitalisation of construction: EU initiatives

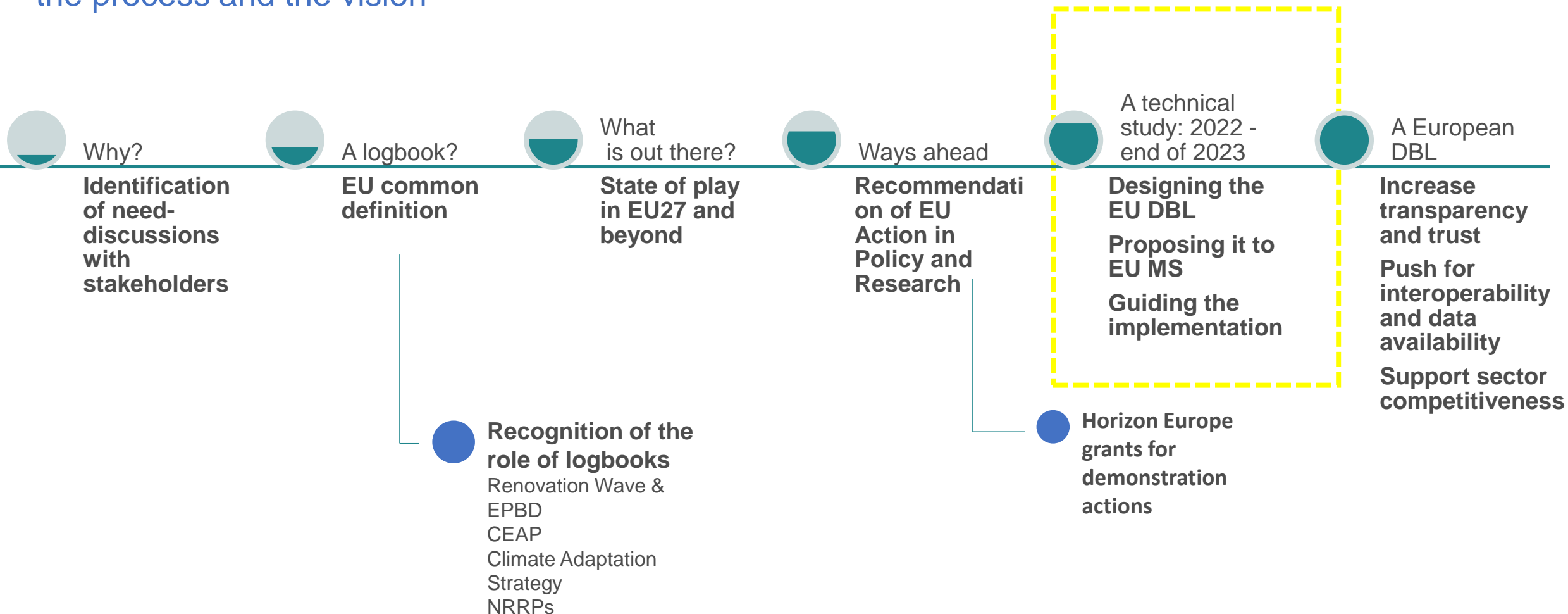
Pieter STAELENS, Policy Officer

DG GROW. H1 Construction, European Commission



Towards an EU model for digital building logbooks

the process and the vision



Digitalisation of construction: Digital Building Logbooks

- **Review** of existing databases and resources
- **Establishing a framework** for an EU digital building logbook
 - Semantic data model
 - Dictionary
 - Datasets and functionalities
 - Interoperability within systems
 - Connection with other databases: DPP, CPR, EPC, EPBD,...
- **Digital gateway interface**
 - Proposal for gateway interfaces
 - Design and visual identity
- **Costs and benefits** of implementing the EU DBL framework
 - Estimation of resource needs for Member States
 - Guidelines for Member States
 - Risks in the implementation

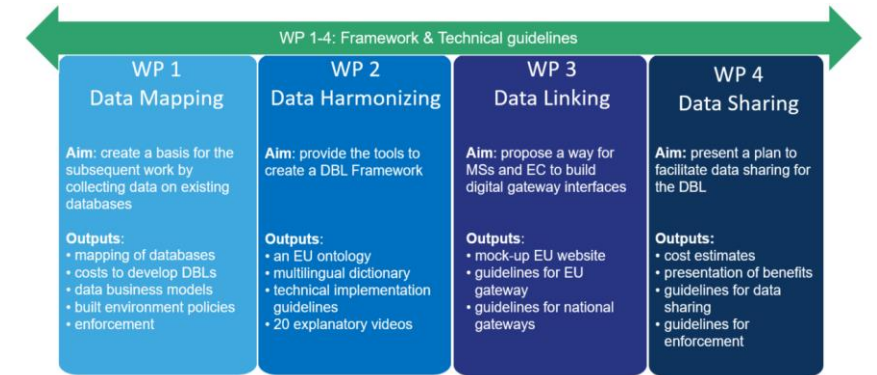
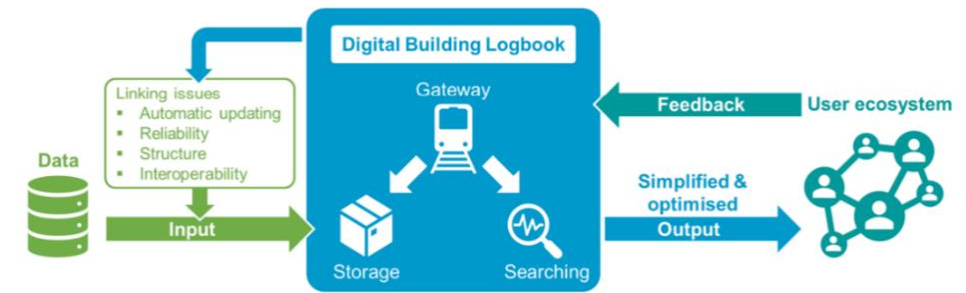
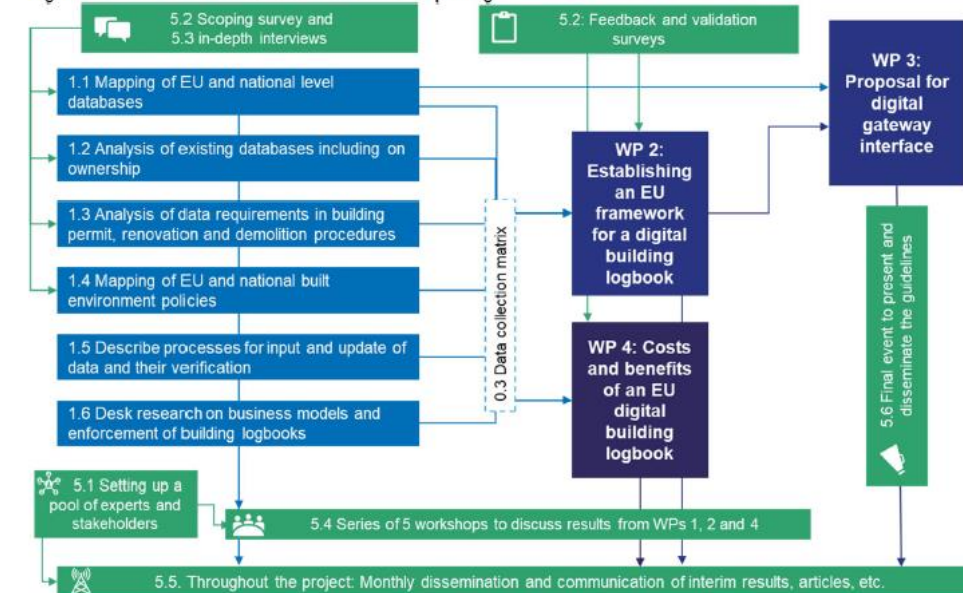


Figure 3.2 Overview of links between the five work packages



Digitalisation of construction: digitalization of SMEs

- Goal of increasing digitalisation of businesses
- Maturity scan
- Handbook on different technologies
 - BIM
 - Robots
 - Drones
 - 3D printing
 - Sensors
 - IoT and mobile devices
- Trainings Nov 2022 – March 2023
 - Specific technologies
 - Digital company culture
 - Digital transformation strategy
- <https://digital-construction.ec.europa.eu/>

Digital Strategy Canvas				For	Status	Date
Our Organisation Strategic Context What are our organisational priorities? Business plan? Strengths, weaknesses, opportunities, threats?				Our Customers Customer Intelligence Who are our key customer segments? What difference do we want to make in our customers' lives? Who are we asking them to become? User? Who do you want your customers to become? by Michael Schrage What do we know about their experience of our organisation and our digital programmes?		
Our Digital Programmes Management and Governance How are our digital programmes managed? What is our governance process? Regular communications? Dashboard?				Customer Relationships What forms of customer relationship do we support members, email subscribers, social media followers, etc...? What are we doing to recruit, develop and retain customers?		
Staffing and Resources What is our staffing and resource position relative to our needs? What is our capacity to recruit, develop and retain staff? Agency relationships?		Monitoring, Support, Maintenance and Development How are our digital programmes supported? What mechanisms are in place to keep them maintained? What is our backlog of development work?				
Data use How are our traffic figures? Where is our traffic coming from? What mechanisms are we using to generate traffic?	Content What is the state of our content? How is our capacity to create new content?	Infrastructure What is the state of the infrastructure for our digital programmes (servers, systems, page templates, etc)?	Services What digital services do we provide? What state are they in? Value Capture How do we capture value from the services we provide? How do we measure that value?			
Key Suppliers and Partners Who are the key suppliers and partners for our digital programmes?		Expenditure on Digital What are we spending on our digital programmes?	Income from Digital What money is coming in through our digital programmes?	Our Environment Key Technologies, Social Media and Digital Services What are the significant developments? Peers and Rivals Who are our peers and rivals? How do our digital programmes compare to theirs?		
Related Public-Facing Activities What public-facing activities are we planning and relate to our digital programmes? Exhibitions? Campaigns? Education?				Cultural Trends What cultural trends will impact our organisation? Our customers? Local Trends What local trends will impact our organisation? Our customers?		

“Digitalisation of built environment” initiative

Duration 18 months, 2023-2024

1. Digitalisation of building permits: analysis of EU27 and of >100 municipal systems, proposal of ways forward, trainings
2. BIM: analysis of EU27, evaluation matrix, guidance for future actions, support for the Community of Practice
3. Beyond DigiPLACE and towards an EU Data Space

BIM, digitalisation and sustainability

- National strategies for adoption + SWOT analysis of strategies
- BIM-requirements in public procurement linked to project budgets
- Use of standards and classification systems.
- Level of BIM used.
- Connection of BIM with other initiatives (e.g., BIM enabled digital permits, digital twins).
- Use of BIM beyond procurement and use of BIM for green (e.g., Lifecycle assessment) or resilient (e.g., preventive maintenance of infrastructure) related targets.
- Bottlenecks: regulatory, resource related, access of SMEs
- Ethical use: Open BIM, open standards,...

Thank you!

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Sources

- Construction ecosystem, work towards a transition pathway
- [Construction transition pathway \(europa.eu\)](#)
- European Construction Sector Observatory
https://ec.europa.eu/growth/sectors/construction/observatory_en



@EU_Growth



Construction 4.0 Europe



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