EU Construction Policy
Ilektra PAPADAKI, Team Leader
DG GROW. H1 Construction, European Commission
The Construction Ecosystem

14 INDUSTRIAL ECOSYSTEMS

- Aerospace and Defence
- Agri-Food
- Construction
- Cultural and Creative Industries
- Digital
- Electronics
- Energy Intensive Industries
- Energy-Renewables
- Health
- Mobility - Transport - Automotive
- Retail
- Proximity, Social Economy and Civil Security

Activities during the whole lifecycle of buildings and infrastructure

- Architectural and engineering services, operation of buildings, facility management and landscaping.
- Construction, renovation, refurbishment, demolition.
- Site preparation, plumbing and other installations, completion and finishing.

1.158 billion of value added*

24.9 mil people employed*

5.3 million firms

99.9% SMEs

90% micro

*2nd most important ecosystem in terms of employment and value added
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

Industrial Strategy
- High Level Construction Forum, >200 participants
- Resilient, Green and Digital cluster meetings

Scenarios SWD
- Online Consultation
- Industry Days session and podcast
- Council WG meeting
- Workshop with NEB
- Other events

Preparation
- High Level Construction Forum 155 participants
- 4 Co-creation meetings on topics of interest and on innovation, asbestos, green and digital
- Collection of input from EC services

Transition pathway
Publication of the Transition Pathway Q1 2023

The consultation closed 07.03 with >100 answers

We are here
108 written inputs to the consultation on the SWD
207 attendees in the High Level Construction Forum meeting
The transition pathway in numbers
EU construction policy: main areas of work

- Competitiveness and resilience
- Green
- Digital

- Supporting SMEs
  - Networks
  - Internationalisation
  - Tools and measures

- Regulatory/Enabling framework
  - Digital as enabler
  - Enabling the green transition
  - Single Market

- Skills, Professionals
  - Upskilling/Reskilling
  - Attracting new talent
  - Commitments from industry

- Safe buildings
  - Indoor air quality
  - Fire
  - Asbestos

- Innovation, Technology
  - Matching R&I and industry needs
  - Investing in technologies
  - Deployment

- Funding/Finance
  - EU/public funding
  - Private funding
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

Why?
Identification of need
-discussions with stakeholders

A logbook?
EU common
definition

What is out there?
State of play in EU27 and beyond

Ways ahead
Recommendation of EU Action in Policy and Research

A technical study: 2022 - end of 2023
Designing the EU DBL
Proposing it to EU MS
Guiding the implementation

Increase transparency and trust
Push for interoperability and data availability
Support sector competitiveness

Recognition of the role of logbooks
Renovation Wave & EPBD
CEAP
Climate Adaptation Strategy
NRRPs

Horizon Europe grants for demonstration actions
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
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
“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!

Ilektra PAPADAKI
Ilektra.PAPADAKI@ec.europa.eu

Pieter STAELENS
Pieter.STAELENS@ec.europa.eu

Sources

• Construction ecosystem, work towards a transition pathway
• Construction transition pathway (europa.eu)
• European Construction Sector Observatory