



Digitalisation of the Construction Ecosystem

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Renovation Wave



Digital Building Logbook



Building Information Modelling (BIM)



Digital Permits



Digital Building Logbooks

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²⁷ Digital Building Logbooks will serve as repositories for data on individual buildings and facilitate information sharing within the construction sector, and between building owners and tenants, financial institutions and public authorities.

Deep renovation is not always achievable in one go. It is therefore important to create better conditions for staged renovation. The Commission will introduce **Digital Building Logbooks**²⁷ that will **integrate all building related data** provided by the upcoming **Building Renovation Passports**²⁸, **Smart Readiness Indicators**, **Level(s)**²⁹ and **EPCs** to ensure compatibility and integration of data throughout the renovation journey.



All data, information and documents for a building accessible through one place



A dynamic tool that keeps a record of all events in the life of a building



Transparency, trust, informed decision-making and exchange of information



A secure tool that allows data owners to have control over their data

Circular Economy Action Plan

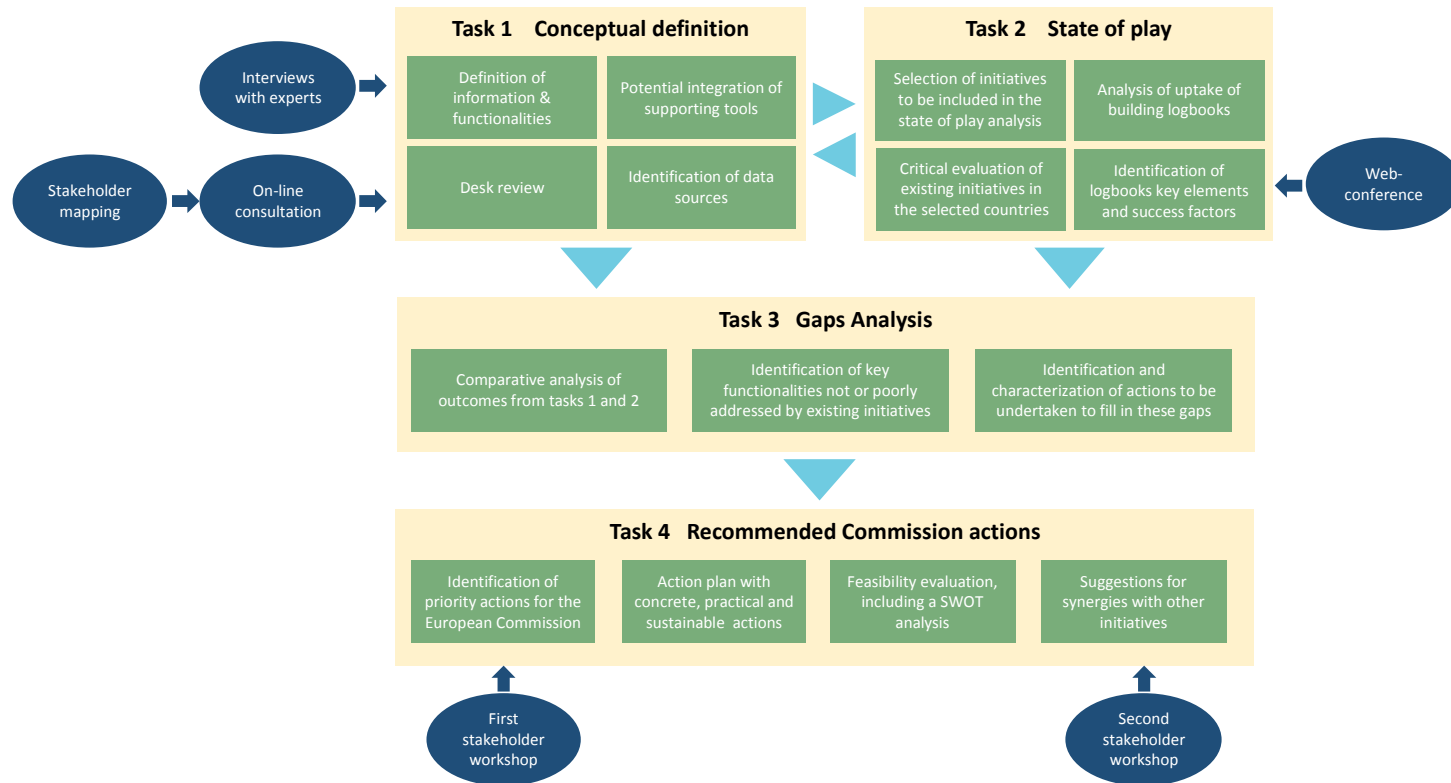
- promoting measures to improve the durability and adaptability of built assets in line with the circular economy principles for buildings design³⁶ and developing **digital logbooks** for buildings;

Towards an EU Framework for Digital Building Logbooks

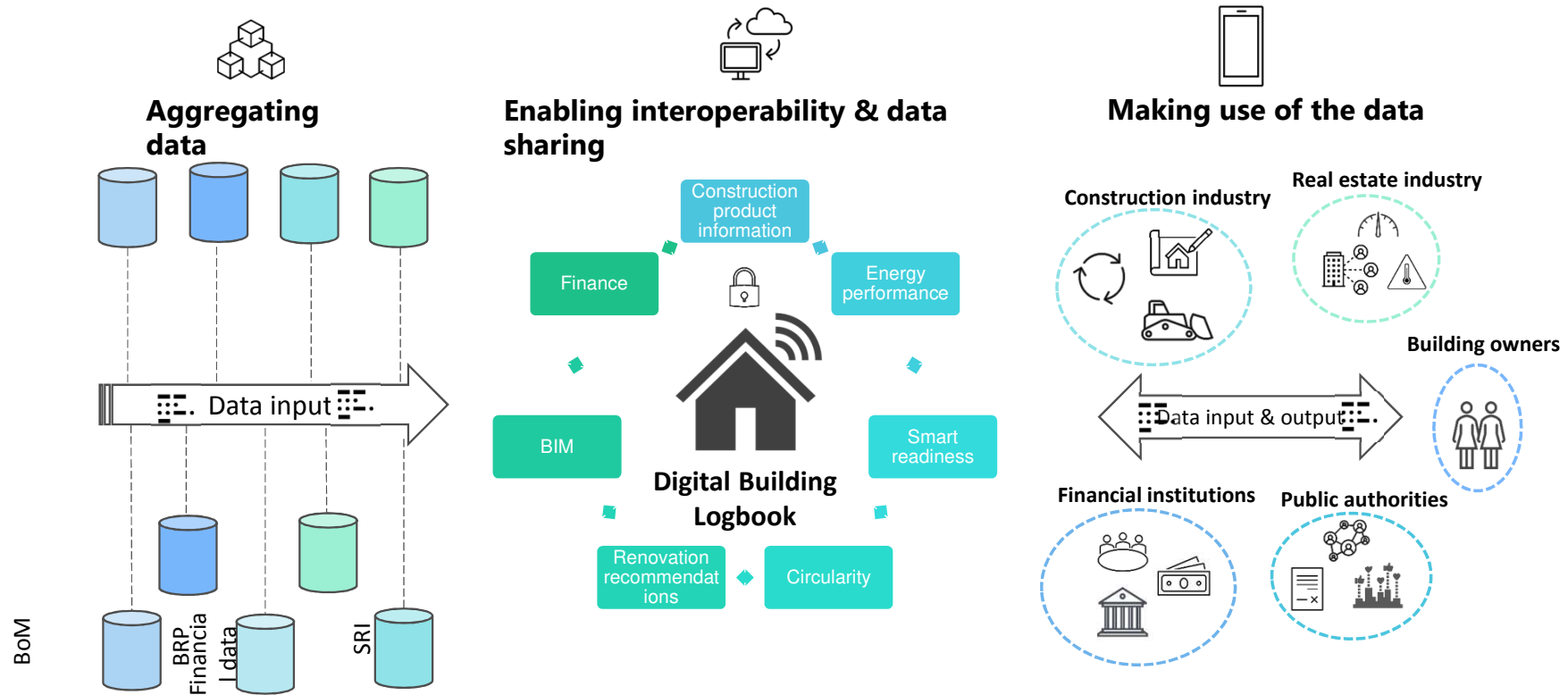
Study



Service contract EASME/2019/OP/0007
Study on the development of an EU framework for buildings' digital logbook



Digital Building Logbooks



Digital Building logbooks definition
[Publications Office of the EU](#)

State of play of existing initiatives
[Publications Office of the EU](#)

Final report of the study
 to be published in 01/2021

Digital Building Permits



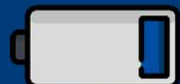
Levels of Digital Permits*



9/27
Fully digital



10/27
Digital and Paper



8/27
Paper-based

*draft analysis

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The Commission will also develop a **unified EU Framework for digital permitting** in the built environment.

Building Information Modelling

Policy Perspective

EU Directive for Public Procurement in 2014

4. For public works contracts and design contests, Member States may require the use of specific electronic tools, such as of building information electronic modelling tools or similar.

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Building Information Modelling (BIM) improves transparency and reduces costs and resource use. The Commission will provide a **recommendation to promote Building Information Modelling in public procurement** for construction and provide a methodology to public clients to conduct cost-benefit analysis for the use of BIM in public tenders. .



Analytical Report

**Digitalisation of the EU
construction sector**

May 2021

at the **European Construction Sector Observatory**

https://ec.europa.eu/growth/sectors/construction/observatory_en

Thank you!



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More information

- Digital Building Logbooks
Definition <https://op.europa.eu/en/publication-detail/-/publication/cacf9ee6-06ba-11eb-a511-01aa75ed71a1/language-en/format-PDF/source-179394366>
State of play of existing initiatives <https://op.europa.eu/en/publication-detail/-/publication/58580f81-06b7-11eb-a511-01aa75ed71a1/language-en/format-PDF/source-179394366>
- Construction and built environment
https://ec.europa.eu/growth/sectors/construction/competitiveness_en
- European Construction Sector Observatory
https://ec.europa.eu/growth/sectors/construction/observatory_en
- DigiPLACE Project- Towards a Framework for a Digital Platform for Construction
<https://www.digiplaceproject.eu/>
- Renovation Wave
https://ec.europa.eu/info/news/preparing-future-renovation-wave-initiative-have-your-say-2020-jun-12_en
- Digital Innovation Hubs
<https://ec.europa.eu/digital-single-market/en/digital-innovation-hubs>
- Practical handbook for investing in DIHs
https://ec.europa.eu/newsroom/dae/document.cfm?doc_id=66604
- Structural reform funds
https://ec.europa.eu/info/funding-tenders/funding-opportunities/funding-programmes/overview-funding-programmes/structural-reform-support-programme-srsp_en