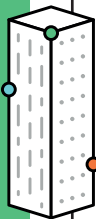


## What is a Digital Building Logbook?

**Digital Building Logbooks (DBLs)** are digital repositories that collect, store and provide useful information about a building, such as its design, construction, materials, the land it's built on, and its environmental, social and financial performance.

DBLs are used by various stakeholders—such as building owners, regulators, service providers, and financial stakeholders—to support decision-making, ensure regulatory compliance, assess investment risks, and improve building performance.



# Demo-Blog


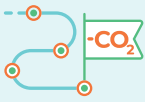








Demo-Blog is a Horizon Europe project that is **testing and further developing five existing DBLs in five European countries**.

The project addresses key gaps in building data availability, accessibility and usability that hinder progress towards EU goals such as climate neutrality, digitalisation and affordable housing. By promoting interoperable, user-friendly DBLs, it enables better data-driven decisions, supports renovation, energy efficiency and whole-life carbon assessments – promoting a transparent, circular and high-quality sustainable European building stock.

A clearer understanding of the data collected in the DBLs, the stakeholder needs they address, and how users can access this data more easily will improve future DBLs and help refine existing ones. This will support efforts to decarbonise the EU's building stock in line with the 2030 climate targets.

To this end, the project is developing **four new features** (also known as 'functionalities') within the five DBLs to address key challenges faced by various stakeholders along the building and construction value chain. These functionalities aim to improve the usability, interoperability and practical value of the DBLs in real-world decision making.

## FIVE DIGITAL BUILDING LOGBOOKS ACROSS EUROPE

	DBLs	Users	New feature within Demo-BLog
 <b>CAPSA</b>	<p>This database, managed by the building owner, is accessed via a smartphone application. The app enables non-experts to collect and submit robust data without the need for pre-existing technical knowledge.</p> <p>Functionalities include the calculation of energy performance, surface area, asset management support and the (semi-) automated calculation of decarbonisation roadmaps.</p>	Building owners (residential and non-residential) and asset managers	 <b>Decarbonisation roadmap</b> <p>CAPSA will introduce a new functionality to automatically generate decarbonisation roadmaps that examine the full scope and scale of buildings across the entire portfolio of a housing association.</p> <p>This helps building owners gain a complete overview of the necessary renovation activities, as well as how and when they should be carried out, supporting climate-aligned portfolio planning.</p>
 <b>CHIMNI</b>	<p>This homeowner-facing tool for residential properties tracks document records of property transactions, completed works, certifications and maintenance.</p> <p>It provides links to both permanent (e.g. the Land Registry, local authorities, certification bodies) and temporary (e.g. estate agents) data sources.</p>	Homeowners, private landlords, and housing market professionals (e.g. estate agents and house builders)	 <b>User-centric automated renovation advice</b> <p>Chimni's new feature will offer automated renovation advice, focused on customisability. From an array of possible interventions, users can select those which best fit their budget and goals.</p> <p>The DBL functionality is user-centric in how it only presents the list of interventions that are most relevant for the home and its occupants, based on data from both existing databases and user input. This ensures stakeholders are provided with easily accessible advice on how they can improve the energy efficiency of their homes.</p>
 <b>CIRDAX</b>	<p>This large inventory of building components and materials provides users with information on the reusability of these products.</p> <p>The aim is to identify which materials are in a building and determine their value to support their effective and efficient use as part of supporting a circular economy.</p> <p>It is one of the two most-used systems for Building Material Management in the Netherlands.</p>	Architects, builders, and public or private clients managing large real estate assets	 <b>Multi-cycle circularity and fostering a reuse marketplace</b> <p>CIRDAX will introduce a new module to help architects and builders integrate information on secondary materials (such as reclaimed or reused materials) in the design and construction of buildings.</p> <p>This greater focus on the ways to reuse, refurbish and/or repurpose materials on existing buildings—such as bricks, window frames, and steel beams—will help ensure that these materials are utilised in other construction projects once a given building is demolished.</p>
 <b>CLEA</b>	<p>This tool offers professional building owners, individual homeowners and tenants support across all phases of a building's life cycle—from construction to renovation, daily use, and re-sale. It is already serving over 200,000 homes in France.</p> <p>It provides general dwelling information (including land registry data) and is equipped with a document module, an equipment module (including maintenance alerts), an energy monitoring module and a news blog.</p>	Residential building owners (professional and private) and tenants	 <b>User-centric automated renovation advice</b> <p>CLEA will provide homeowners with tailored renovation recommendations using existing datasets, helping them understand what improvements are needed and how to act on them, with a particular focus on Energy Performance Certificate databases.</p> <p>In many cases, homeowners may not be fully aware that their homes require renovation or the extent of the need. Additionally, when they choose to undertake renovation work, they can find it challenging to understand the scope of the project, their responsibilities, and where to access reliable information and guidance.</p> <p>With this new functionality, homeowners can better understand the scope and implications of renovation works and will know the right questions to ask when meeting with suitable renovation contractors or experts.</p>
 <b>WONINGPAS</b>	<p>This platform provides information about a given dwelling, land plot and surroundings.</p> <p>It includes information about the quality of the building, building permits, completed renovation works, soil, water and sewerage, the flood susceptibility and climate resilience of a given plot, (real) energy use, energy label, solar potential and a renovation roadmap.</p> <p>This information can be shared with family, future buyers, tenants, architects or contractors, renovation consultants, real estate agencies and notaries.</p>	Homeowners, community groups, and local authorities	 <b>Platform for community-driven decarbonisation projects</b> <p>Woningpas will expand its platform to support community-driven renovation projects by aggregating local demand and connecting stakeholders with relevant services and funding.</p> <p>Building owners are empowered to directly access the resources they need, such as technical services, funding schemes, and renovation support.</p> <p>This extended capacity demonstrates that DBLs are integral to targeting larger-scale interventions, facilitating the transition of both individual homes and wider communities.</p>

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