

## The consortium

BLUEPRINT brings into collaboration diverse expertise, engaging a multi-disciplinary group composed of 23 partners representing 10 EU countries (DE, ES, FR, GR, HU, IE, IT, LU, PL and UK).

Research organisations, municipalities, small and medium size enterprises represent a broad range of sectors such as building technology, architecture, computer science, transport, energy, environment and social sciences.



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EU Project



A co-programmed public private partnership in Horizon Europe's Cluster 5, Built4People (B4P) brings together projects on climate, energy and mobility.



## Building Living Urban Ecosystems Through Participatory Renovation and Innovation Tools

Funded by the European Commission under the Built4People programme, the BLUEPRINT project aims to enable the sustainable and inclusive transformation of neighbourhoods and urban districts through participatory digital solutions, sustainable renovation practices, and an evidence-based framework using multiscale digital twins.



Funded by  
the European Union



## Technology

BLUEPRINT's core technology is an interoperable **one-stop-shop digital platform** that integrates **multi-scale Digital Twins** (building, neighbourhood and district levels), **scenario modelling and simulation tools**, and **immersive AR/VR visualisation** to support participatory renovation planning and management across diverse urban contexts; this ecosystem is complemented by **engagement and gamification tools**, **feedback mechanisms**, and an **AI-boosted assistant** (leveraging generative AI, knowledge graphs and explainable AI) to improve accessibility, inclusiveness, and decision-making for a wide range of stakeholders and citizens.

## Engagement of 5 demo sites



## How does BLUEPRINT connect lifestyles and systems to transform urban areas?

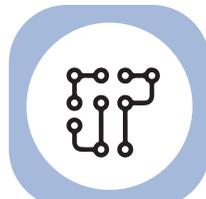
**Living:** energy-efficient, climate-resilient housing; **Consuming:** circular economy and localized systems enabled by dashboards showing impacts of choices; **Moving:** inclusive mobility networks that improve connection and cohesion; **Interacting:** beautiful, inspiring public spaces fostering joy and well-being; **Enjoying:** community-driven activities (festivals, workshops, performances) that reflect local identity and promote social innovation.



Living



Consuming



Moving



Interacting



Enjoying

## Large scale demo-cases

BLUEPRINT will validate its approach through **five real-life pilot (demo) sites** in **Balla (Ireland)**, **Issy-les-Moulineaux (France)**, **Athens (Greece)**, **Budapest District 18 (Hungary)**, and **Benetutti (Italy)**, ensuring coverage of **heterogeneous climatic conditions** (Mediterranean, Oceanic, Continental) and **diverse built-environment contexts** at building, neighbourhood, and district levels.

