

# one team

**One Team S.r.l**

Direzione generale e sede centrale:

Via Winckelmann, 1 - 20146 Milano (MI)

+39 02 47719331 | [marketing@oneteam.it](mailto:marketing@oneteam.it) | [www.oneteam.it](http://www.oneteam.it)

# EU-funded Horizon R&I projects



Co-funded by  
the European Union



## ***BIM based fast toolkit for Efficient rEnovation in Buildings***

BIM Management System with open source CDE based on hybrid SQL / Graph databases and linked data

Project budget: 7M €

Duration: Jan 2019 – Jun 2022

[bim4eeb-project.eu](http://bim4eeb-project.eu)



**BuildON**

## ***Affordable and digital solutions to Build the next generatiON of smart EU buildings***

Digital Building Logbook and Digital Twin platforms

Project budget: 6.7M€

Duration: May 2023 – Oct 2026

[buildon-project.eu](http://buildon-project.eu)



## ***Industrialised durable building envelope retrofitting by all-in-one interconnected technology solutions***

BIM-Platform: open source CDE with advanced functionalities to manage IFC models

Project budget: 10.1M€

Duration: Nov 2020 – Apr 2026

[infinitebuildingrenovation.eu](http://infinitebuildingrenovation.eu)



## ***Crete Renewable Energy Valley***

AR applications for citizens' involvement in REV planning

Project budget: 25.2M€

Duration: Dec 2023 – Nov 2028

[cretevalley.eu](http://cretevalley.eu)



## ***ECO-innovative Energy FACTory Management System based on enhanced LCA and LCCA towards resource efficient manufacturing***

Autodesk Platform Services-based Digital Twin Platform as Energy and Resource Management System

Project budget: 12.3M€

Duration: Oct 2020 – Jun 2025

[ecofact-project.eu](http://ecofact-project.eu)



## ***Urban Adaptation and Alert Solutions for a TIMELY (re)Action***

Building Renovation Passport platform

Project budget: 5.5M€

Duration: May 2024 – May 2028

[retime-project.eu](http://retime-project.eu)



**one team**



**RETIME**  
Inclusive Urban Resilience



Co-funded by  
the European Union

PROJECT PRESENTATION

# Urban Adaptation and Alert Solutions for a Timely Reaction





# Project Overview



## Project Coordinator

**iscte**

— Conhecimento e Inovação

## Horizon Europe

Efficient, sustainable and  
inclusive energy use  
(HORIZON-CL5-2023-D4-02)

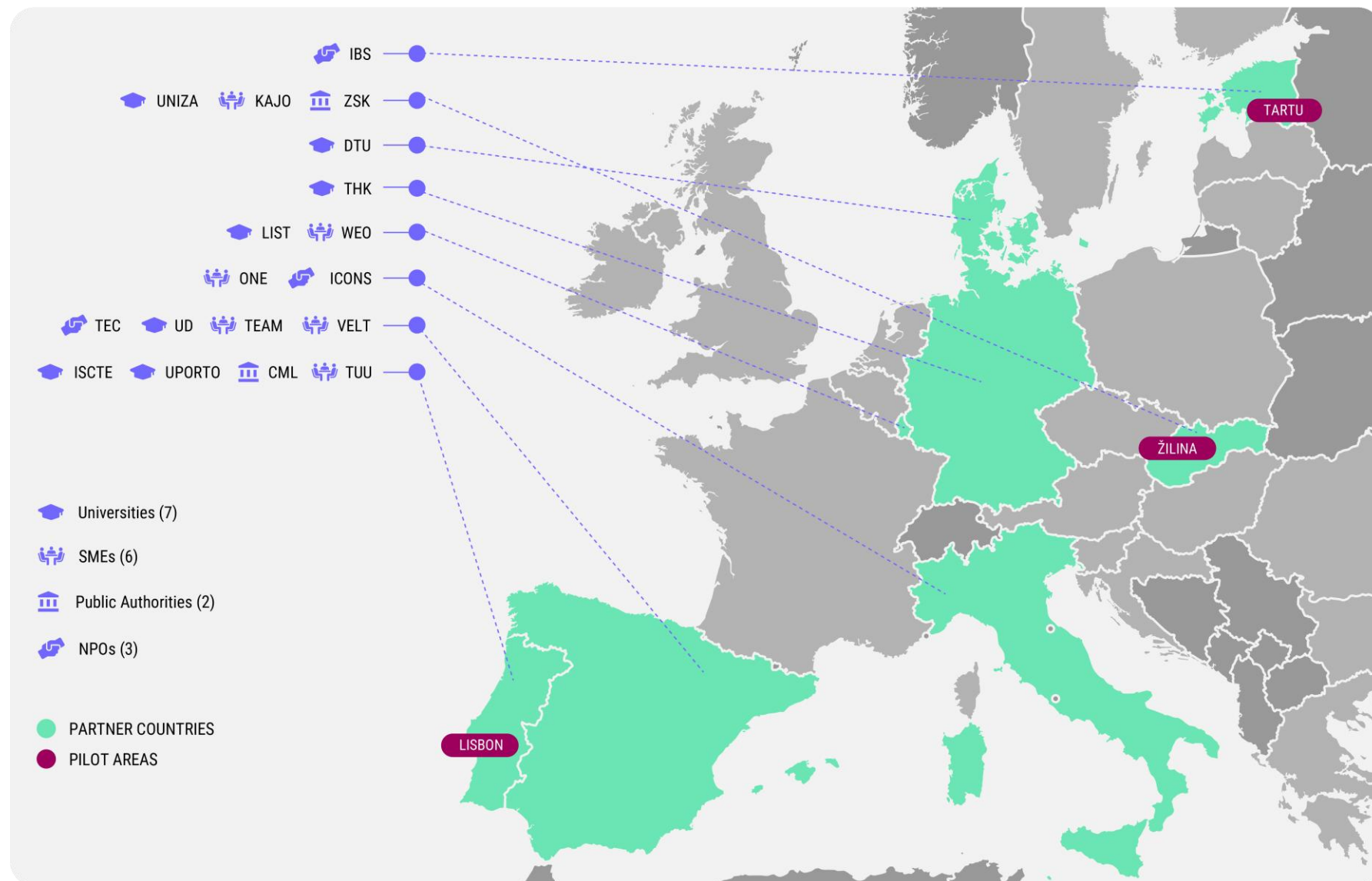
**Total Budget: €5,475,761**

**18 partners**

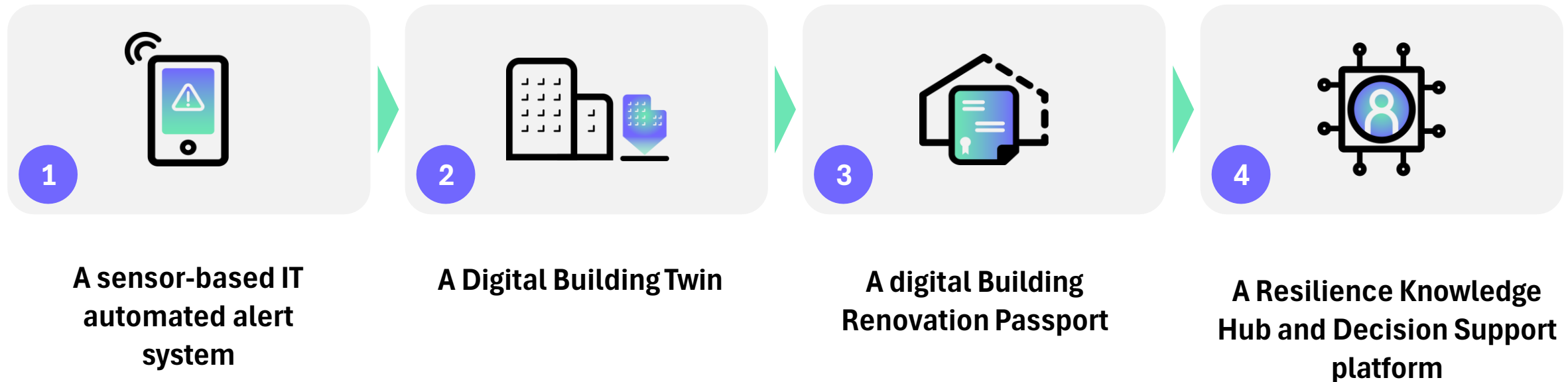
**48 months**

**Start date: 1 May 2024**

**End date: 30 April 2028**



# Digital Solutions for urban adaptation and risk reduction



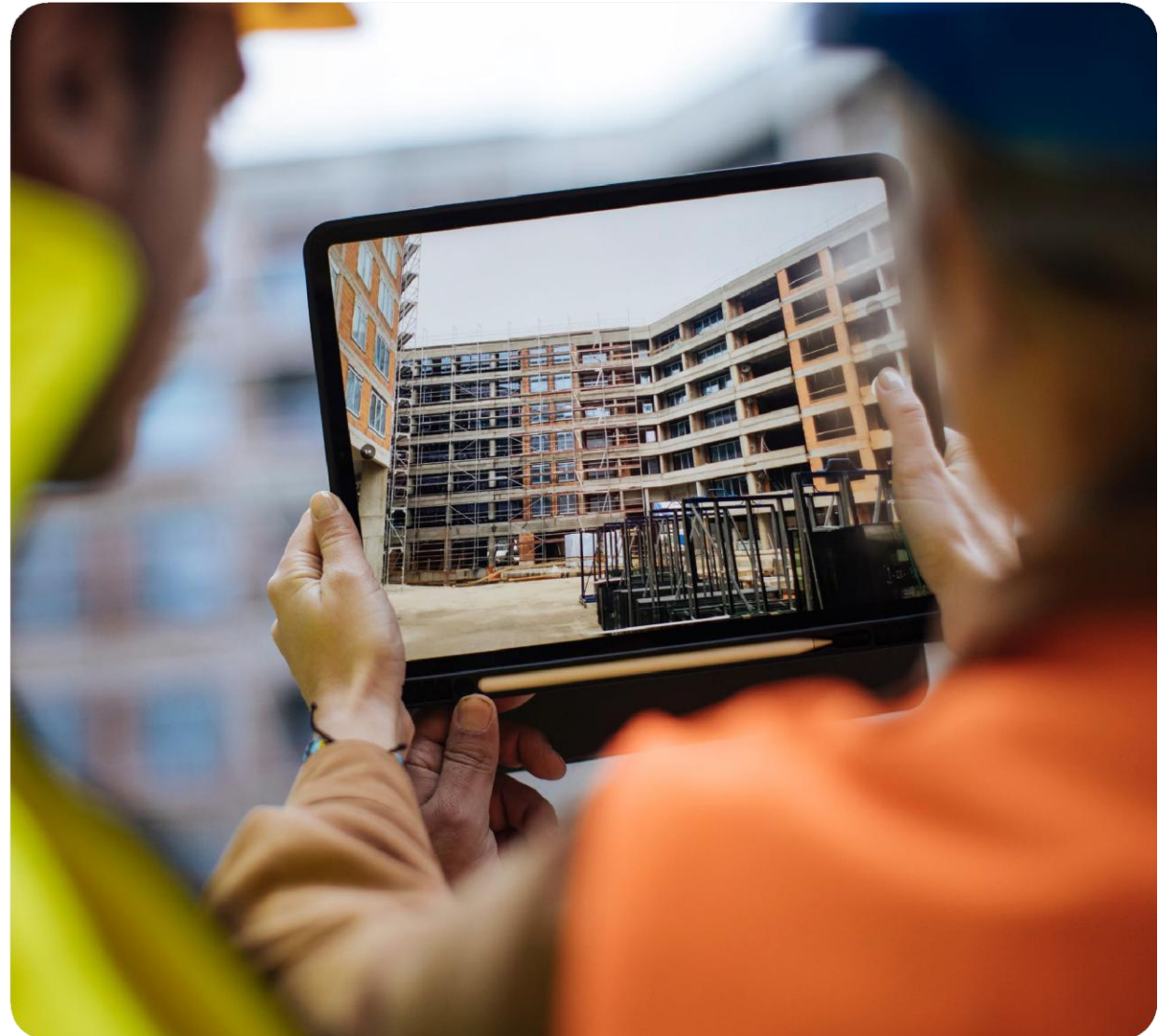




# Building Renovation Passport (BRP)

**A digital tool providing building owners and managers with a step-by-step renovation roadmap.**

The Building Renovation Passport helps identify measures to enhance building resilience and outlines the expected benefits, including energy savings, reduced energy poverty and improved comfort.





# Building Renovation Passport

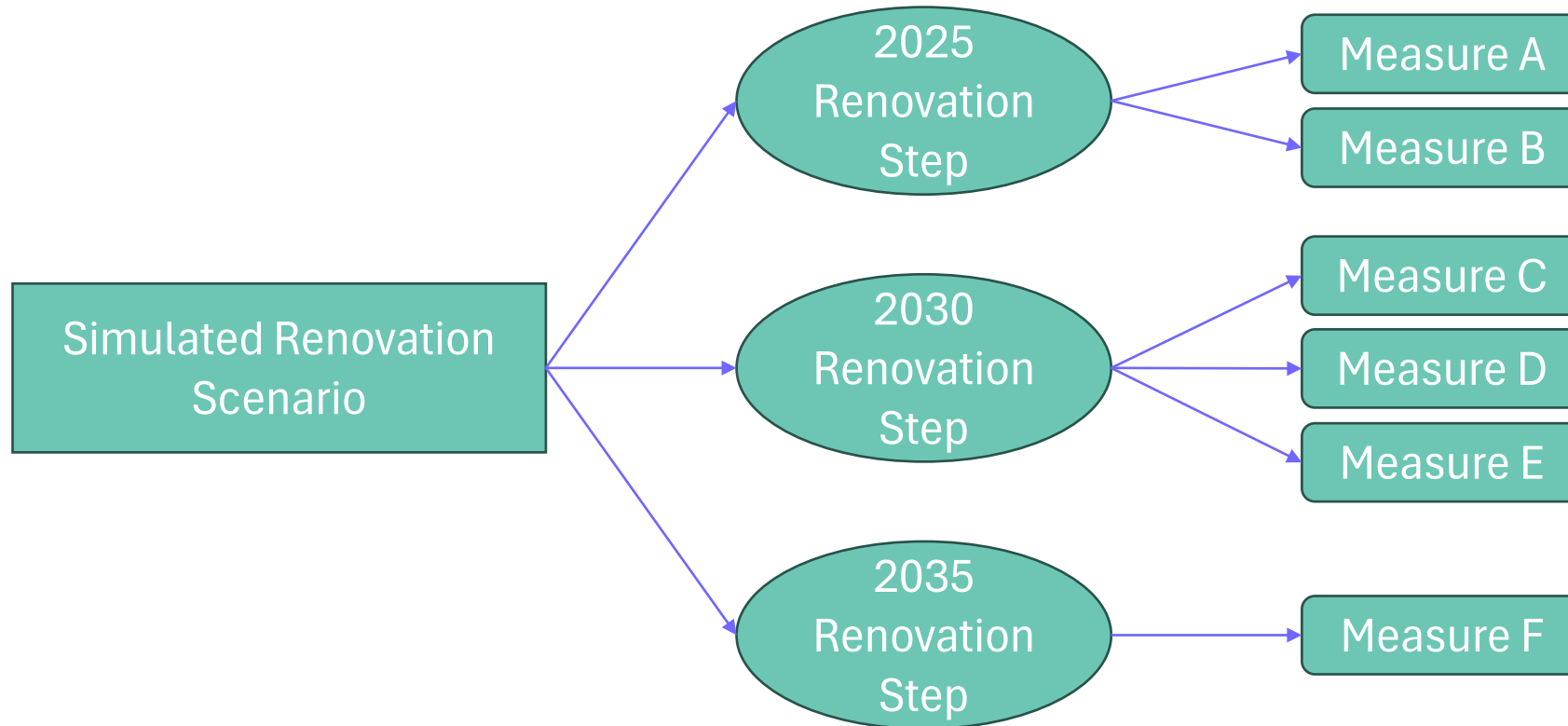






# BRP “roadmap” logic

End-users: building/flat owner(s) or professional(s)



## Renovation actions

- Façade
- Roof
- Windows/doors
- Heating + DHW
- DHW generation
- Electricity
- Cooling
- Ventilation
- Indoor walls
- Floor/cellar
- Sensors (IEQ)



# BRP “roadmap” set-up

RENOVATION SCENARIOS > NEW SCENARIO > ROADMAP

Select the year in which implementing a specific action

Indoor walls / internal insulation

Windows / doors

Floor / cellar

Electrical system

Heating system

Hot water system

Cooling system

Ventilation

Sensors

Roadmap

2035  
Renovation  
Step

2030
ASAP
2035
2045
2035
2035
2040
2040
2050

Description

As old as the building (1960)

As old as the building (1960)

As old as the building (1960)

Safety compliant until 2045

After walls, floor, windows etc.

Jointly with floor

After walls, floor, windows etc.

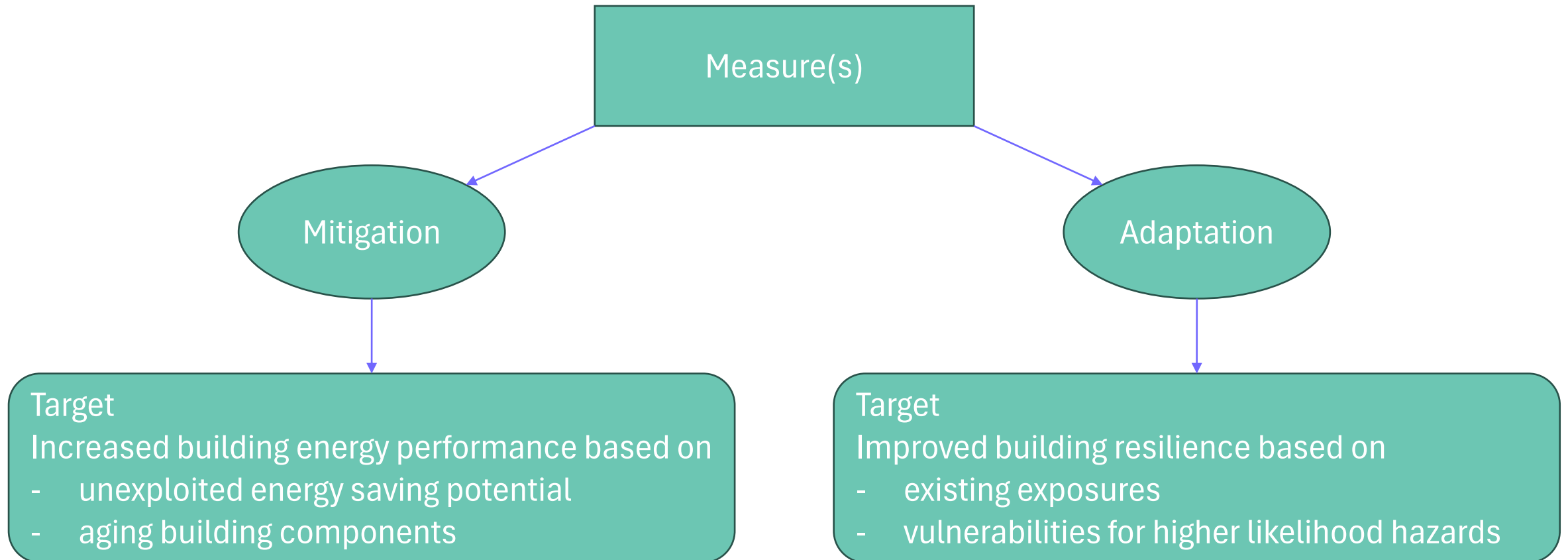
End of service / life in 2042

Introduce a monitoring system

End-users will outline their own renovation scenario, guided by the information contained by BRP’s Digital Building Logbook module



# Measures per BRP renovation step









# BRP renovation scenarios/“roadmaps”

RENOVATION SCENARIOS > NEW SCENARIO > 2025-06-12\_9:30 RESULTS

[Access local regulations](#) 

## Renovation steps vs baseline

						
	Investment [€]	Energy consumption [kWh/y]	Savings [%]	CO2 emissions [kg/y]	Savings [%]	Return period [y]
Baseline	---	1844279	---	359552	---	---
ASAP	22000	1693397	8.2	326230	8.9	4.6
2030	45000	1447380	14.5	272563	12.4	6.1
2035	33000	1317010	12.3	224131	11.1	4.8
2040	50000	1150188	16	189023	13.6	6.9
2045	12000	1099081	5.7	169980	4.9	2.3
2050	21000	1027622	8.3	127995	7.1	3,7



# BRP renovation scenarios/“roadmaps”

RENOVATION SCENARIOS > SIMULATED SCENARIO

Which simulated renovation scenario do you want to access, update or delete?

Key Performance Indicators (KPIs)								
	Total investment ▾	Energy savings ▾	CO2 savings ▾	Return period ▾	Targeted EPC ▾			
2025-06-12_9:30					D			×
2025-06-09_15:01					B			×
2015-05-15_10:05					A1			×
2015-05-14_11:34					C			×



# Thank you!



RETIME – Urban Adaptation and Alert Solutions for a TIMEly (re)Action | HORIZON- CL-2023-D4-02

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