SUSTAINABLE PLACES 2025

8-10 October 2025

Milano

Comune di Milano

R2M RESEARCH TO MARKET SOLUTION

Sustainable Construction and Renovation

WORKSHOP

Building Renovation in Practice

Challenges, Solutions and Collaboration

BuildUPspeed

Barrio

one click reno

FACILITA

iEPB

www.sustainableplaces.eu

LIFE Clean Energy Transition

Building renovation in practice: Challenges, solutions, and collaboration

Pierre-Antoine Vernon

Project Adviser

CINEA – LIFE Climate & Energy Unit

Sustainable Places, Milano
9 October 2025

LIFE Clean Energy Transition – Turning Policy into Action

Renewable Energy Directive

Energy Efficiency Directive

Energy Performance of Buildings Directive

+

Energy Communities

Cities & Regions

Heating & Cooling

Policy Support & Energy Efficiency 1st

Industry, Services & Products

Energy Poverty

Renovation and Building Performance

Energy & Construction Skills

Mobilise investment and private finance

One-Stop-Shops & Technical Assistance

LIFE-CET:

- Break market barriers, change market and regulatory fundamentals
- Improve governance and capacities/skills at all levels
- Mobilise investment & improve access to finance
- Empower Citizens

Outcomes of LIFE CET Call for proposals 2024

Heating & cooling
7 projects
€ 11.9 M

Attracting private finance
3 projects
€ 5.2 M

Capacity building for cities & regions
5 projects
€ 8.3 M

Construction skills, industry & services
7 projects
€ 11.2 M

Total budget
EUR 81.4 M EUR

51 projects
32 countries
449 beneficiaries

Supporting EU policy framework
4 projects
€ 6.93 M

Renovation & smart energy in buildings
4 projects
€ 7.2 M

Citizens in the Clean Energy Transition
8 projects
€ 13.6 M

Local & regional investment projects
13 projects
€ 17 M

LIFE CET Sustainability in buildings - BETTERRENO

Buildings performance

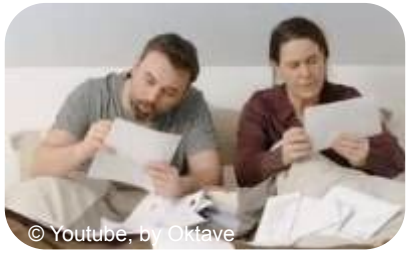
Deep renovation (NZEB, ZEB)

Data, instruments and tools

Smart buildings and services

Policy implementation

Project Development Assistance



Support services for renovation

Consumers

Build Up Skills

LIFE CET Buildings projects landscape

Deep Renovation

GigaRegioFactory
Prefab

Build Up Speed
Prefab

One Click Reno
Reno Pass

iEPB
Data model

ReLIFE
Reno platform

COSME Reno
Prefab/SMEs

BARRIO
Market activation

Reno Tides
Prefab

INDICATE LIFE
LCA data

GreenRenoV8
Reno plans

tunES
Support MS

EPBD.wise
EPBD-Instruments

OpenBEP4EU
EPC engine software

OBSERVE
National Databases

N.N. 2024
Data, IEQ, Solar

Data, policy instruments & tools

Smart²
Building auditing

Smartness

SRI2Market
Support MS

easySRI
Platform

SRI Enact
Decision Tool

SmarterEPC
Platform
EPC+SRI

INEEXS
Blockchain

BungEES
Service package

Smart Services

GEAR-UP
EE Services

Financing

CINEA stand

Meet us at the LIFE stand!

Thank you

LIFE Programme

LIFE Programme

LIFE Programme

@LIFEprogramme

@CleanEnergy_EU

@cinea_EU

LIFE Programme

CINEA

Hashtags

#LIFEProgramme

#LIFEProject

And watch our new vi

Cinea-communication-life@ec.europa.eu

Slide xx: element concerned, source: e.g. Fotolia.com; Slide xx: element concerned, source: e.g. iStock.com

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Ana Sanchis Huertas

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www.sustainableplaces.eu

Ana Sanchis Huertas - Arquitecta
Instituto Valenciano de la Edificación: IVE

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Goal

Turn EPBD into practice by giving every building a clear, tailored roadmap to zero emissions

we are not just building digital tools — we are building trust, alignment, and pathways that make the EPBD objectives tangible for citizens. Our ambition is to turn regulation into action, and action into transformation

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OCR & EPBD □ RP

(19) 'renovation passport' means a tailored roadmap for the deep renovation of a specific building in a maximum number of steps that will significantly improve its energy performance;

- Member States shall **introduce**
- Based on the **common** framework
- Issued jointly with the **EPC**
- Digital format suitable for **printing**
- Best **steps** to ZEB before 2050
- **Tool** allowing simulate a draft RP
- national **DB** & accessed via **DBL**

Article 12

Renovation passport

1. By 29 May 2026, Member States shall introduce a scheme for renovation passports based on the common framework set out in Annex VIII.

2. The scheme referred to in paragraph 1 shall be of voluntary use by owners of buildings and building units, unless the Member State decides to make it mandatory.

Member States shall take measures to ensure that renovation passports are affordable and shall consider whether to provide financial support to vulnerable households wishing to renovate their buildings.

3. Member States may allow for the renovation passport to be drawn up and issued jointly with the energy performance certificate.

4. The renovation passport shall be issued in a digital format suitable for printing, by a qualified or certified expert, following an on-site visit.

n passport is issued, a discussion with the expert referred to in paragraph 4 shall be suggested to
w the expert to explain the best steps by which to transform the building into a zero-emission
.

ANNEX VIII

Requirements for renovation passports

1. The renovation passport shall include:

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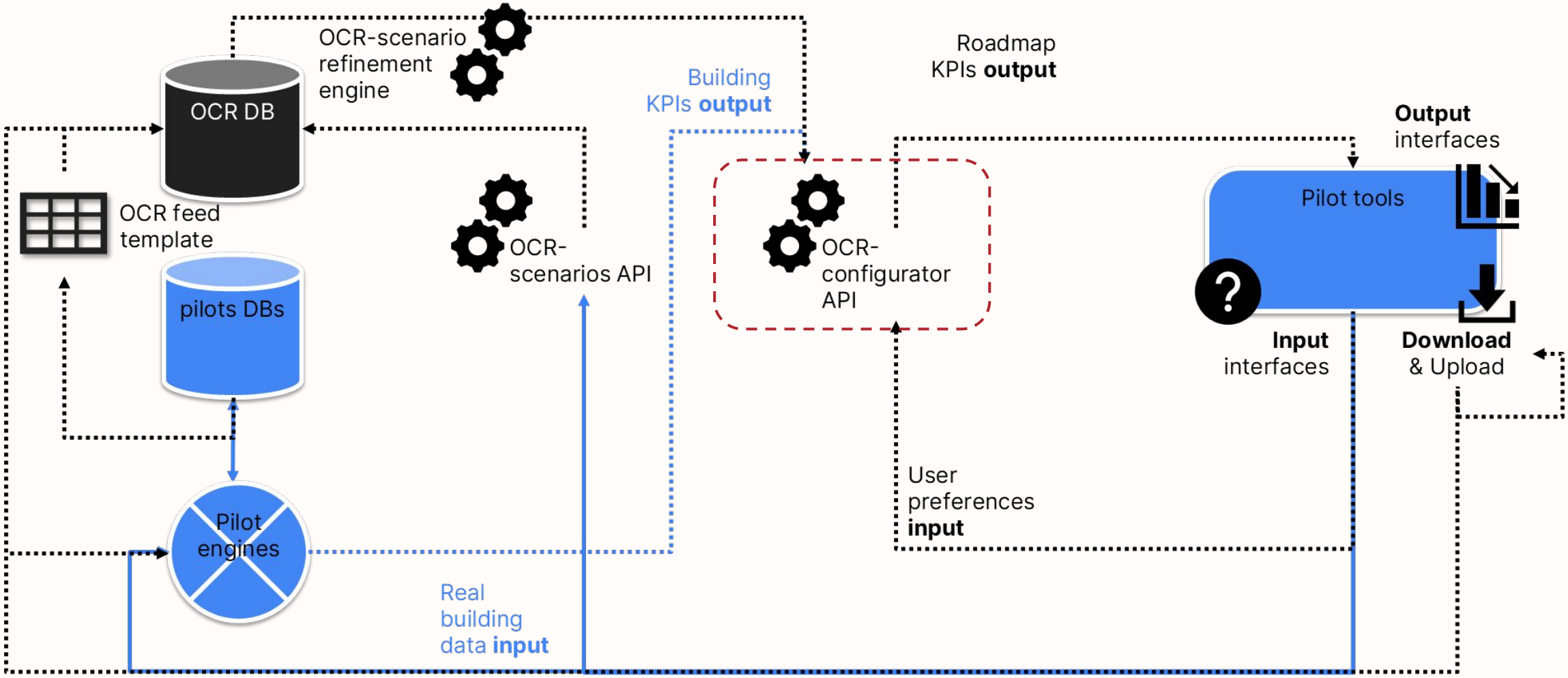

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OCR RP DM

- According to **EPBD ANNEX VIII & EPC** data

Tabla 2: Elementos del Informe XML v2.1. Identificación del edificio

Campo	Etiqueta	Múl.	Opc.	Tipo	Valores admitidos / Formato	Descripción	Ejemplo	
IDENTIFICACIÓN DEL EDIFICIO	• <IdentificacionEdificio>							
Nombre del edificio	• • <NombreDelEdificio>			string	-	Identificación del edificio	Centro juvenil "L álamos"	
Dirección	• • <Direccion>			string	-	Dirección postal del edificio	C/Tribulete, 5	
Municipio	• • <Municipio>			string	-	Municipio correspondiente al edificio	Madrid	
Código Postal	• • <CodigoPostal>			string	-	Código postal correspondiente al edificio	28001	
Provincia	• • <Provincia>			string	-	Provincia del edificio	Madrid	
Comunidad Autónoma	• • <ComunidadAutonoma>			string	-	Comunidad autónoma del edificio	Comunidad de M	
Zona Climática	• • <ZonaClimatica>			string	A0	Zona climática en la que se sitúa el edificio	D3	
Año Construcción	• • <AnoConstruccion>			string	aaaa ó aaaa-aaaa	Año de construcción del edificio	1979-2006 2008	
Normativa vigente	• • <NormativaVigente>			string	-	Normativa vigente en el momento de la construcción o rehabilitación del edificio o local	Anterior a CTE	
Referencia/s catastral/es	• • <ReferenciaCatastral>			string	-	Referencia o referencias catastrales de la finca o fincas, separadas por comas	12341324123DS 12346336423DC	
Tipo de Edificio o parte que se describe	• • <TipoDeEdificio>			string	ViviendaUnifamiliar, BloqueDeVivienda-Completo, ViviendaIndividualEn-Bloque, EdificioUsoTerciario, LocalUsoTerciario	Tipo de edificio o parte del edificio certificado	EdificioUsoTerci	
Procedimiento de calificación energética utilizado y versión	• • <Procedimiento>			string	-	Procedimiento aplicado para la calificación energética y verificación del cumplimiento del DB-HE	CE3 v1.0.1661.423 Fecha: 7- nov-2012	24
Alcance de la información del XML	• • <AlcanceInformacionXML>			string	CertificacionExistente, VerificacionExistente, CertificacionVerifica-cionExistente, CertificacionNuevo, VerificacionNuevo, CertificacionVerifica-cionNuevo	Alcance de la información incluida en este XML. Indica si la información ha sido generada con el objetivo de la verificación del DB-HE y/o certificación energética y el tipo de edificio analizado (Existente o Nuevo/Ampliación).	VerificacionExistente	12

Tabla 3: Elementos del Informe XML v2.1. Datos del técnico certificador

Campo	Etiqueta	Múl.	Opc.	Tipo	Valores admitidos / Formato	Descripción	Ejemplo	Id
DATOS DEL TÉCNICO CERTIFICADOR	• <DatosDelCertificador>							
Nombre y Apellidos	• • <NombreyApellidos>			string	-	Nombre y apellidos del técnico certificador	José Pérez Pérez	13
NIF	• • <NIF>			string	-	NIF o NIE del técnico certificador	44880365Z	14
Razón Social	• • <RazonSocial>		○	string	-	Razón social, en su caso, de la entidad certificadora	Estudio de Arquitectura Pérez, S.L.	15
NIF entidad certificadora	• • <NIFEntidad>		○	string	-	NIF, en su caso, de la entidad certificadora	Q1230540D	16
Domicilio	• • <Domicilio>			string	-	Dirección postal correspondiente al domicilio del certificador o entidad certificadora	Paseo de los Olmos	17
Municipio	• • <Municipio>			string	-	Municipio del domicilio	Madrid	18
Código Postal	• • <CodigoPostal>			string	-	Código Postal del domicilio	28001	19
Provincia	• • <Provincia>			string	-	Provincia del domicilio	Madrid	20
Comunidad Autónoma	• • <ComunidadAutonoma>			string	-	Comunidad autónoma del domicilio	Comunidad de Madrid	21
e-mail	• • <Email>			string	-	Correo electrónico de contacto	joseperez@perez.es	22
Teléfono	• • <Telefono>			string	-	Teléfono de contacto	+34914440023	23
Titulación habilitante	• • <Titulacion>			string	-	Titulación del certificador	Arquitecto	24
Fecha	• • <Fecha>			string	dd/mm/aaaa	Fecha de emisión del certificado	17/01/2014	30

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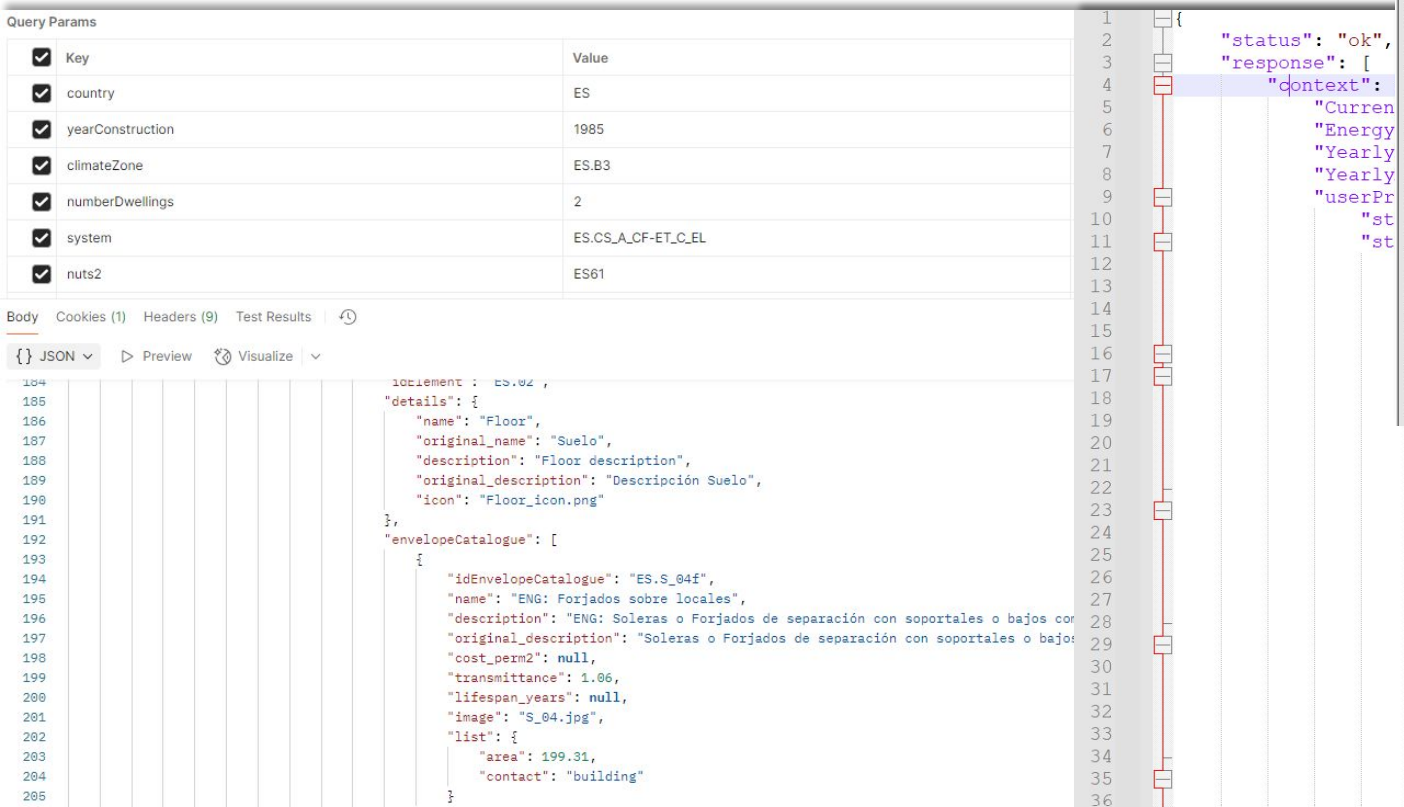
OCR RP calculator

- **JSON** □ strategy, order, timeline, stati



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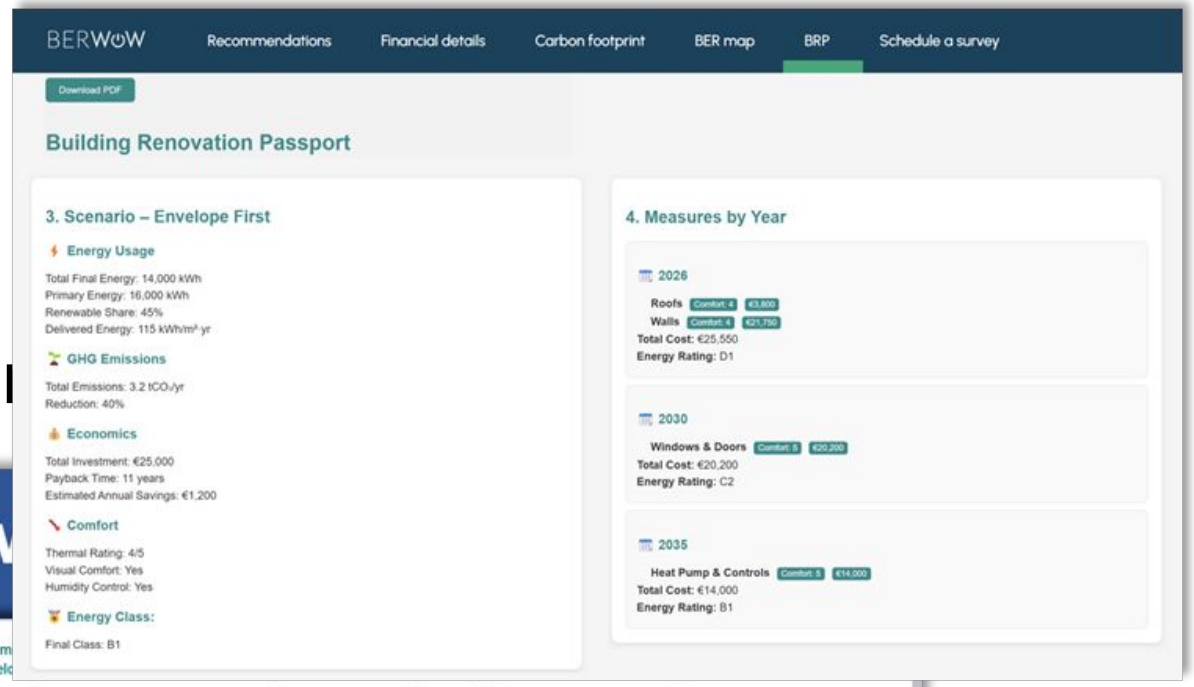
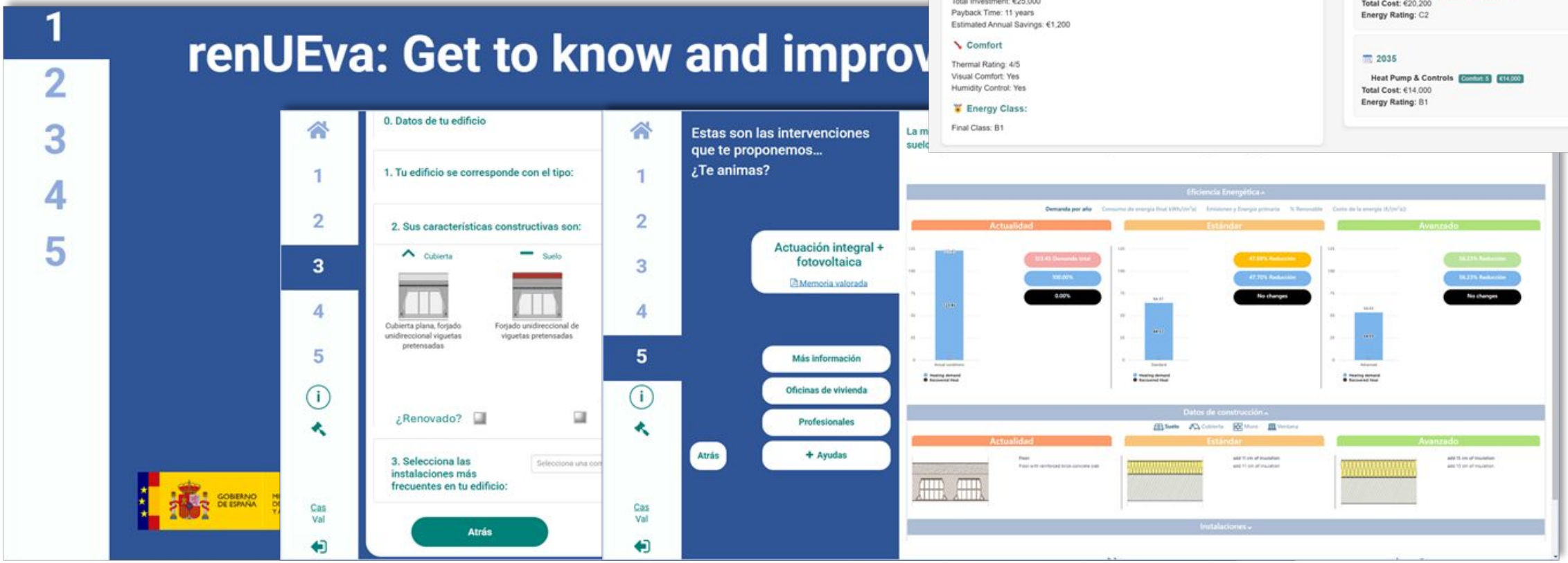
OCR RP tools

- **Interfaces** using OCR RP calculator





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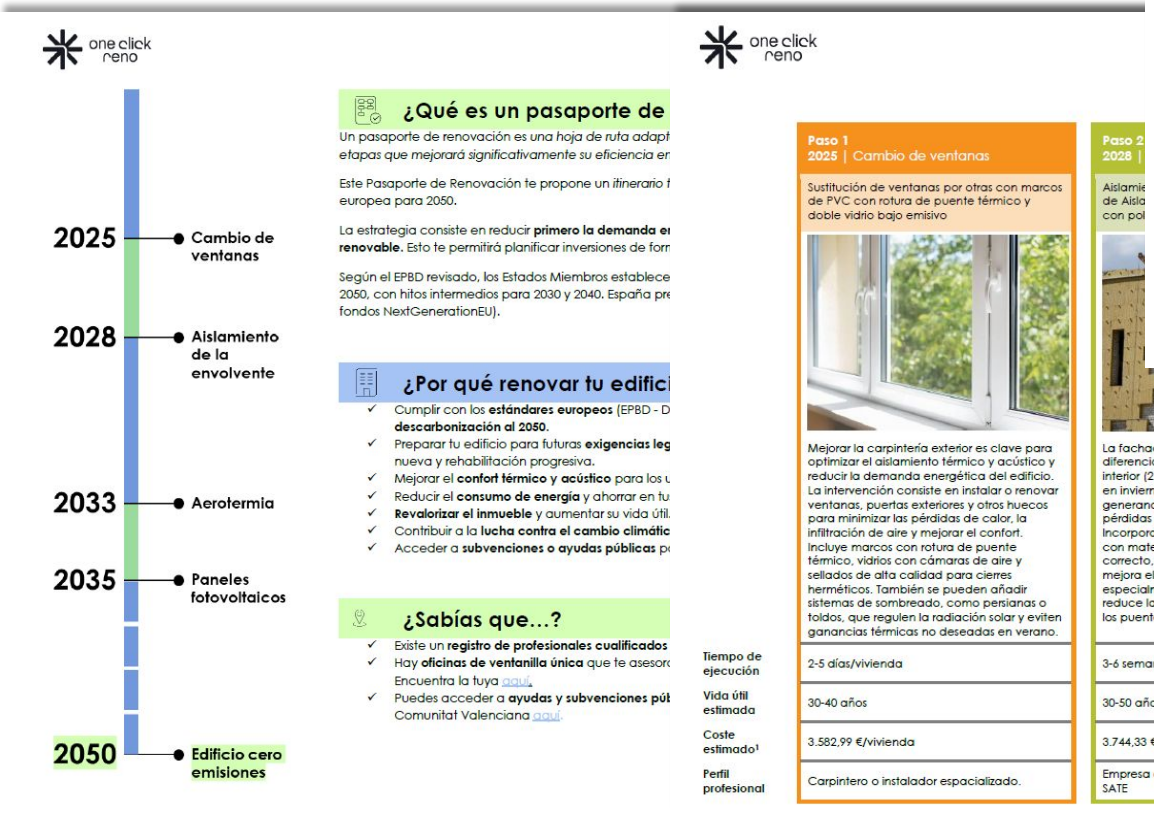
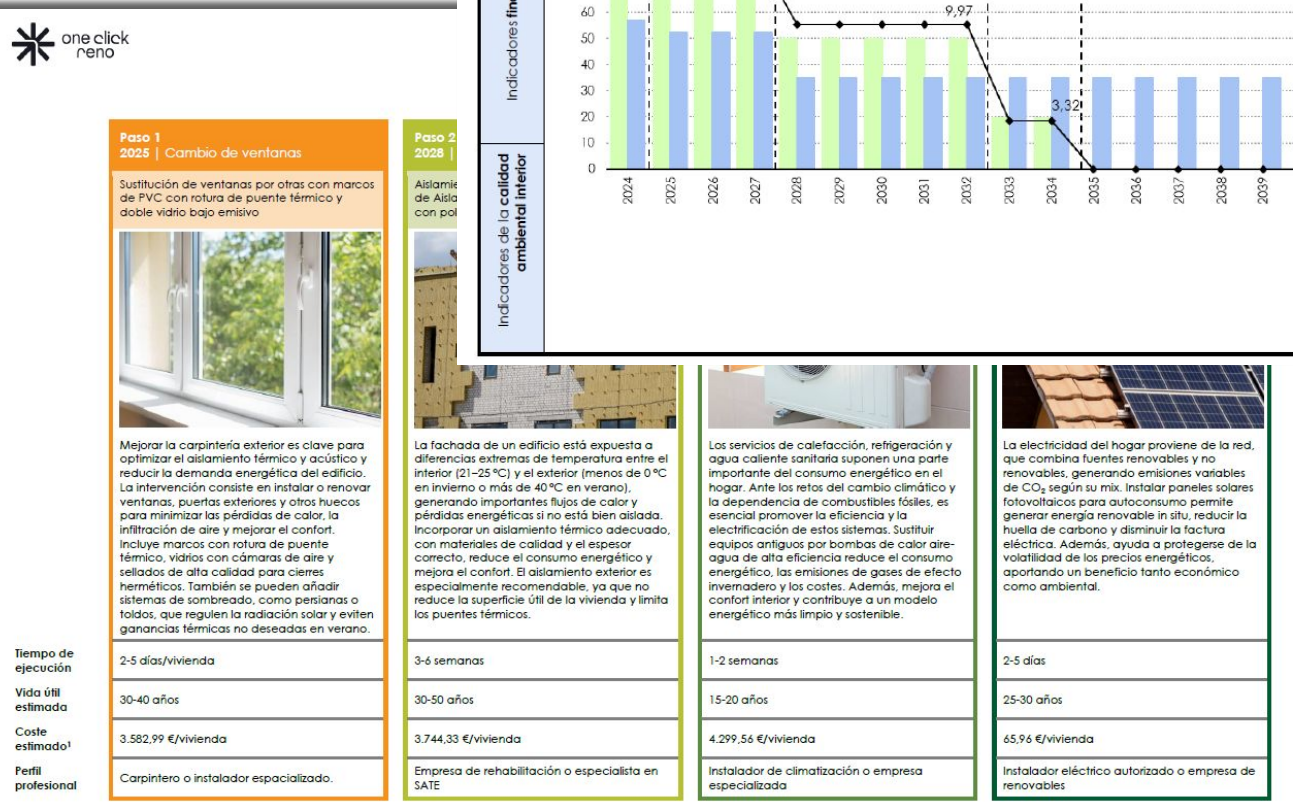
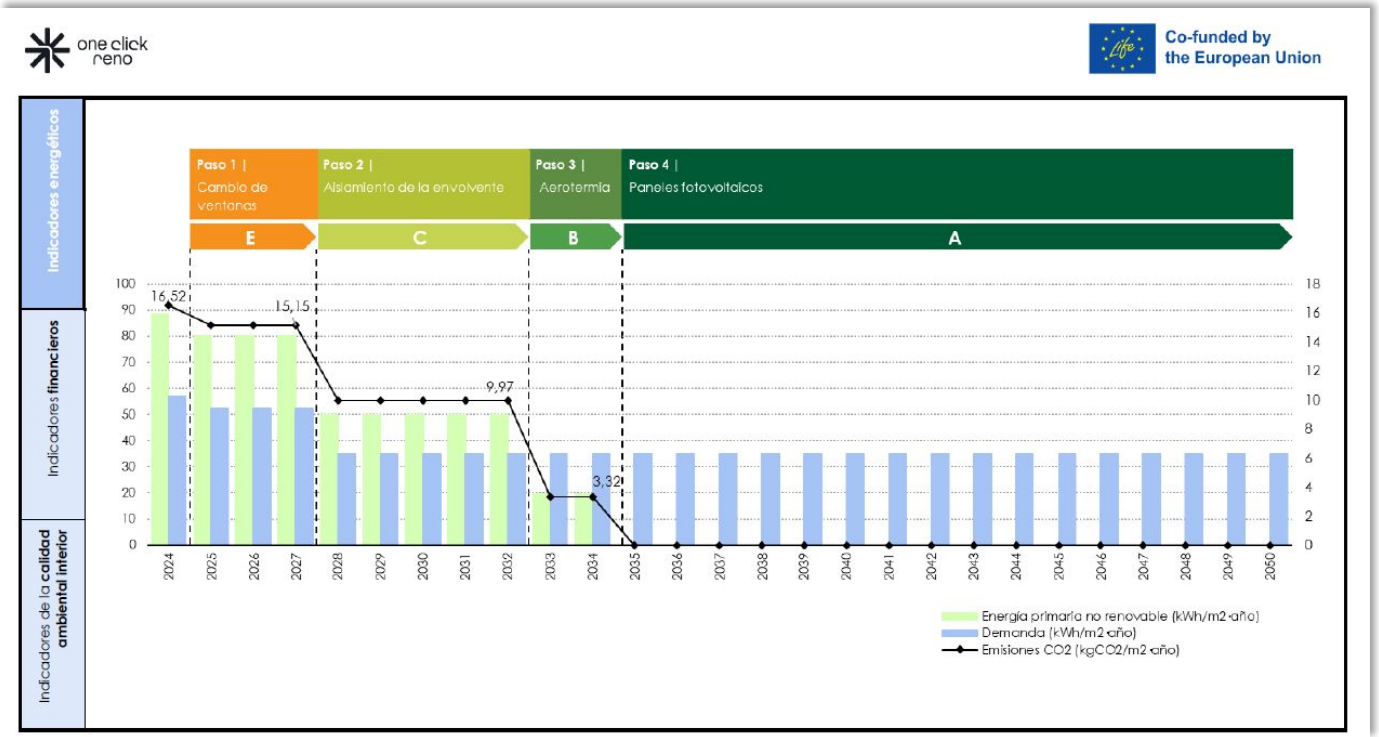
OCR RP report

- **Harmonized** customizable ou







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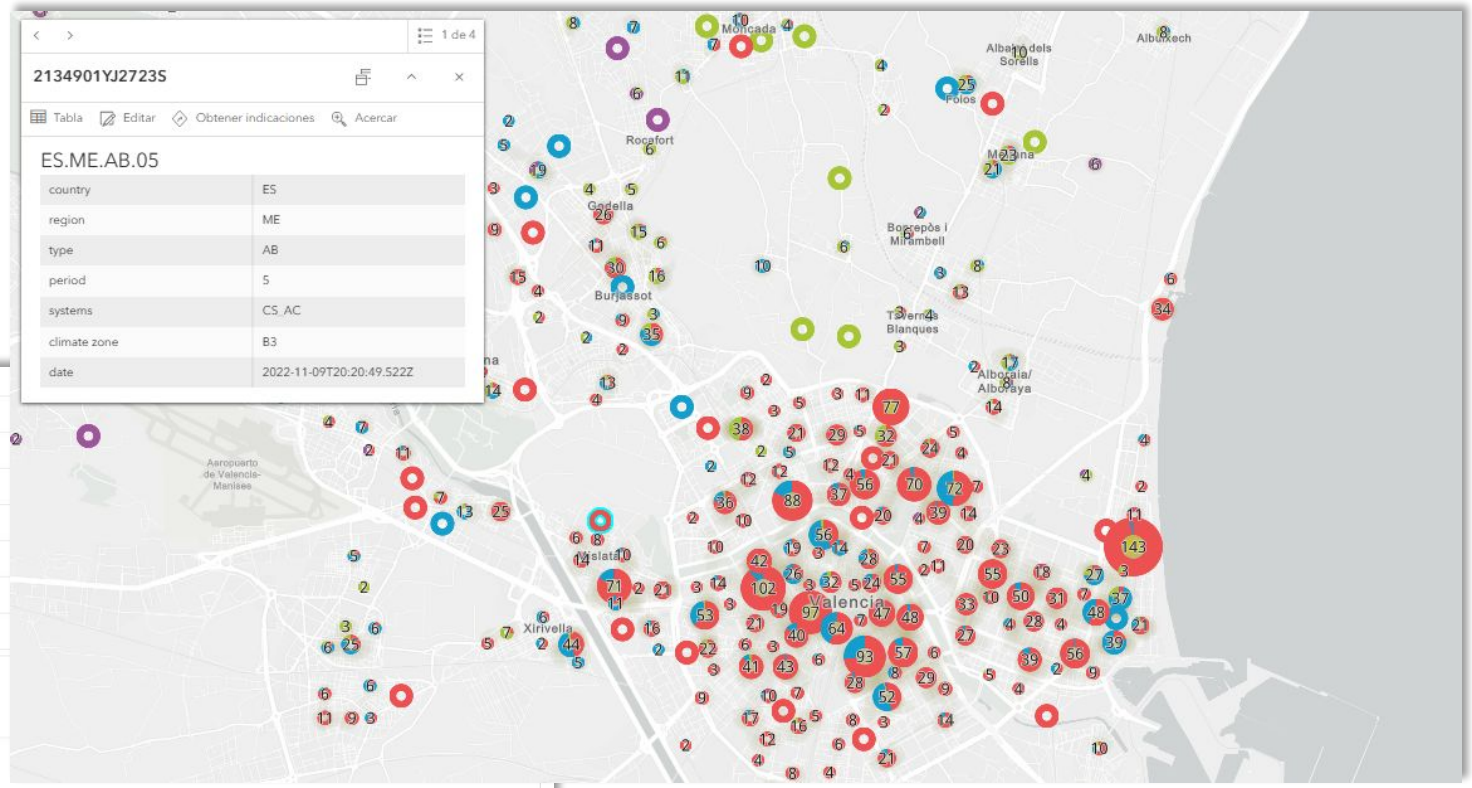
OCR RP atlas

- From calculator inputs **log**



Query Params

Key	Value
country	ES
yearConstruction	1985
climateZone	ES.B3
numberDwellings	2
system	ES.CS_A_CF-ET_C_EL
nuts2	ES61

Body Cookies (1) Headers (9) Test Results

{} JSON ▷ Preview Visualize


```
"idElement": "ES.02",
"details": {
    "name": "Floor",
    "original_name": "Suelo",
    "description": "Floor description",
    "original_description": "Descripción Suelo",
    "icon": "Floor_icon.png"
},
"envelopeCatalogue": [
    {
        "idEnvelopeCatalogue": "ES.S_04f",
        "name": "ENG: Forjados sobre locales",
        "description": "ENG: Soleras o Forjados de separación con soportales o bajos comerciales 5",
        "original_description": "Soleras o Forjados de separación con soportales o bajos comerciales 5",
        "cost_perm2": null,
        "transmittance": 1.06,
        "lifespan_years": null,
        "image": "S_04.jpg",
        "list": {
            "area": 199.31,
            "contact": "building"
        }
```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Thanks !!!

- Ana Sanchis Huertas
- **asanchis@five.es**

- **https://www.five.es/**
- **https://www.oneclickreno.eu/**

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SUSTAINABLE PLACES 2025

8-10 October 2025

Milano

iEPB

Eva Lucas Segarra

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Integrated EPB Assessments.
A pathway for effective EPBD implementation

Eva Lucas Segarra | Phd Arquitect

IVE | Valencia Institute of Building | www.five.es

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GENERALITAT VALENCIANA
Vicepresidencia Segunda y Conselleria de Servicios Sociales, Igualdad y Vivienda

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Instituto Valenciano de la Edificación

EPC
energy performance of the building

Main objective - Common data model

RP
Renovation passport

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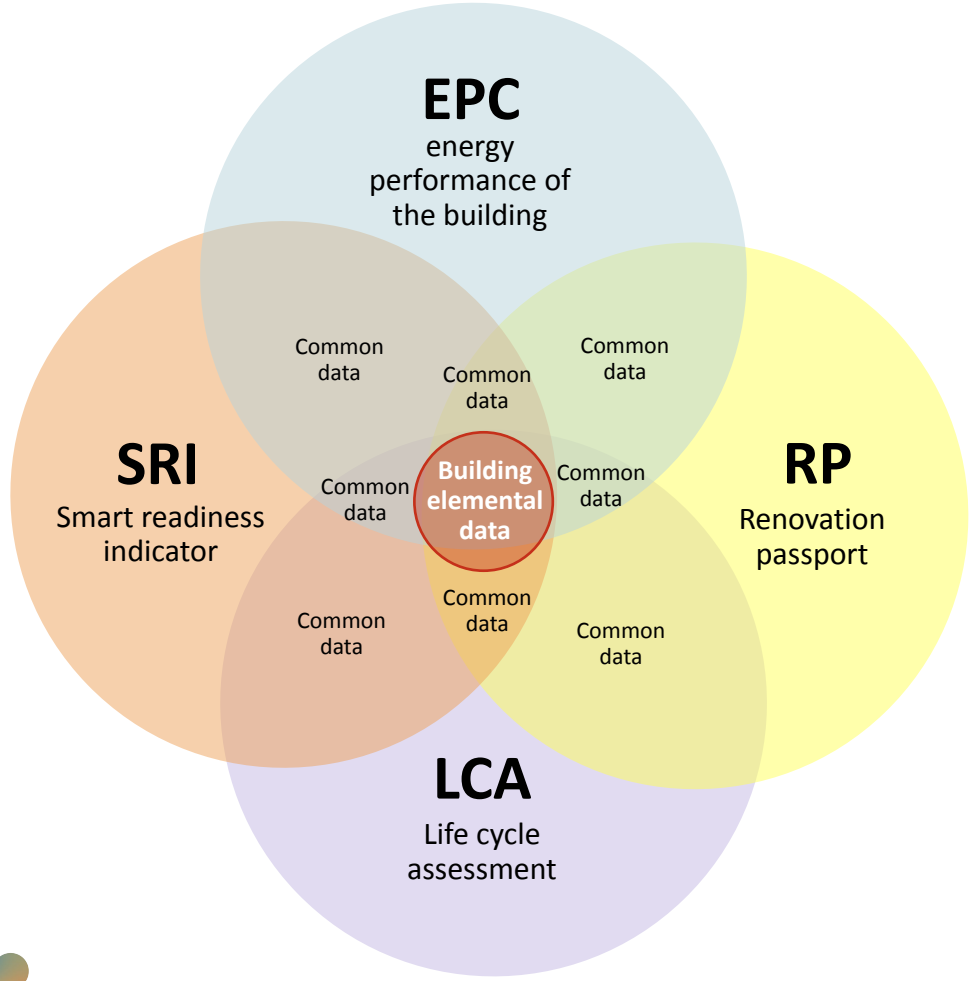
Main objective - Common data model



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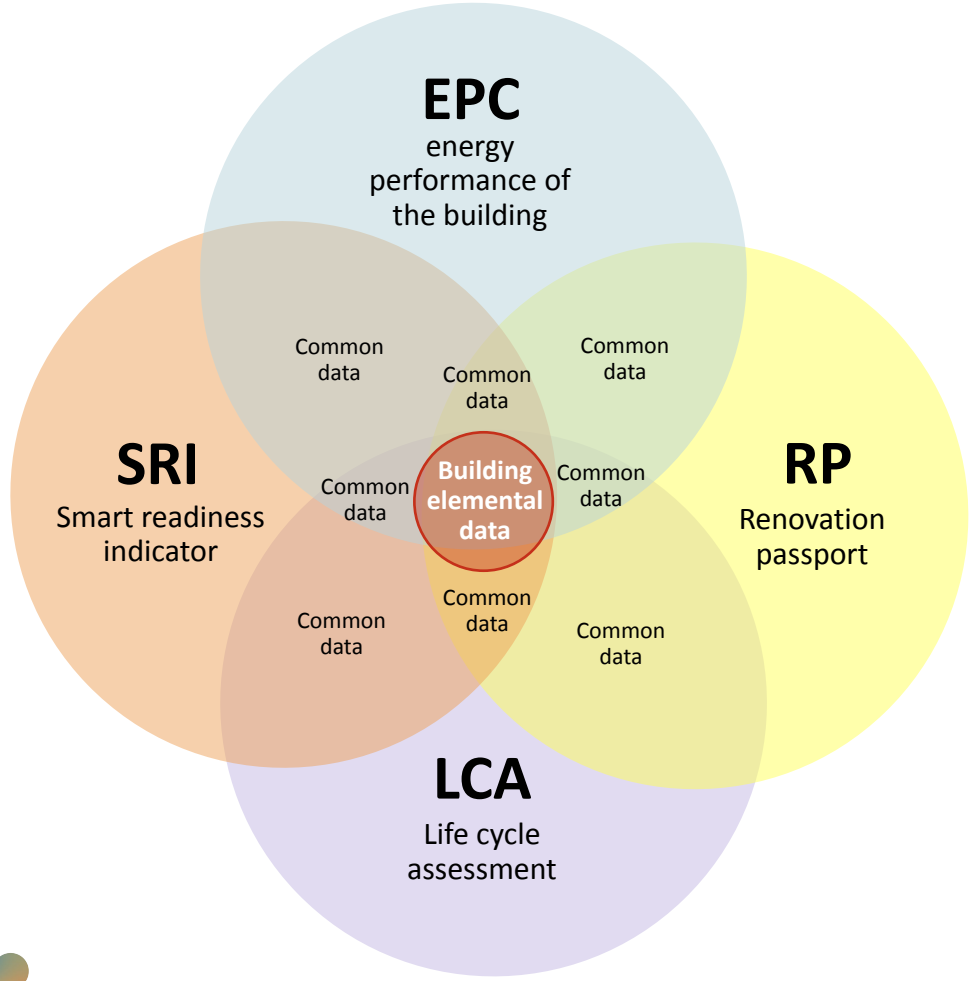
Main objective - Common data model



Improve the synchrony between multiple building performance assessments - notably among EPCs, the SRI and RP - by developing a **Common data model for EPB Assessments**

Common data model

iEPB schema

iEPB

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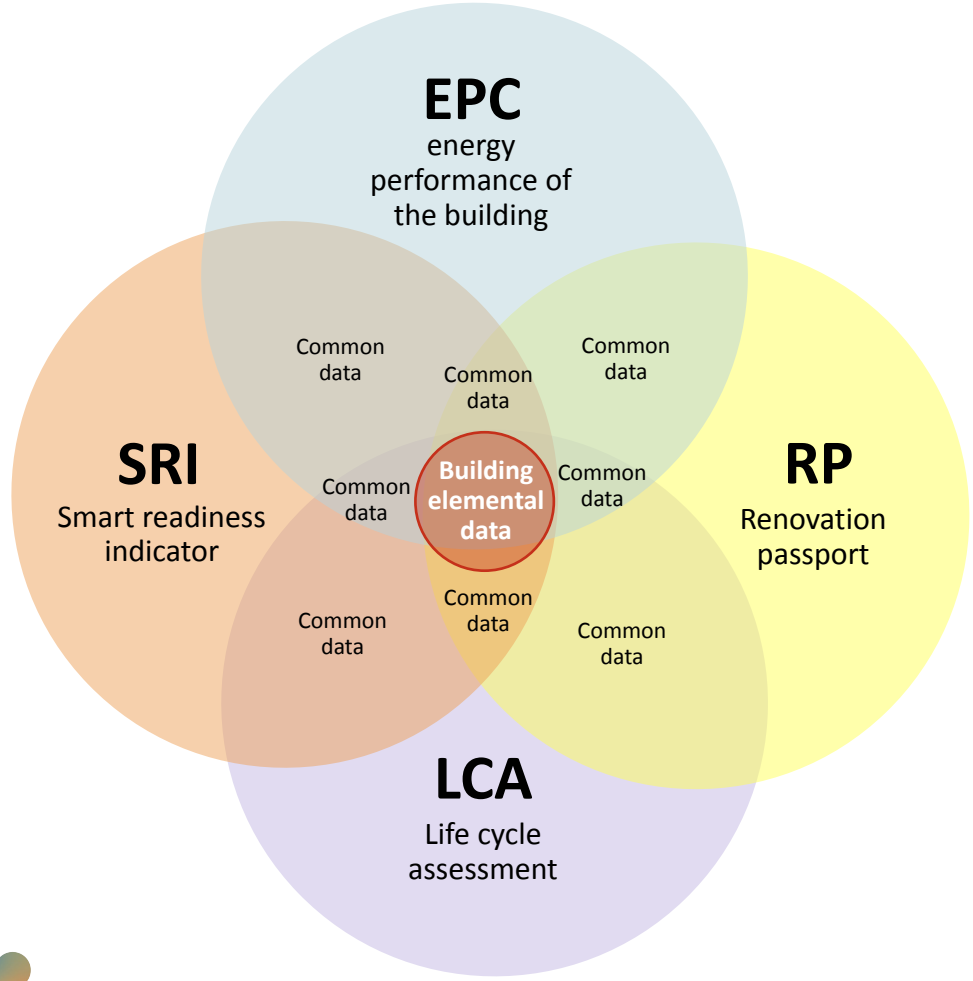
Other objectives



Improving **data accessibility** and user friendliness of EPCs

Easing collection, aggregation, and analysis of **data for building's performance assessments**

Supporting EPB Assessments and Certification schemes to be more **EU-compliant, consistent, and accurate**

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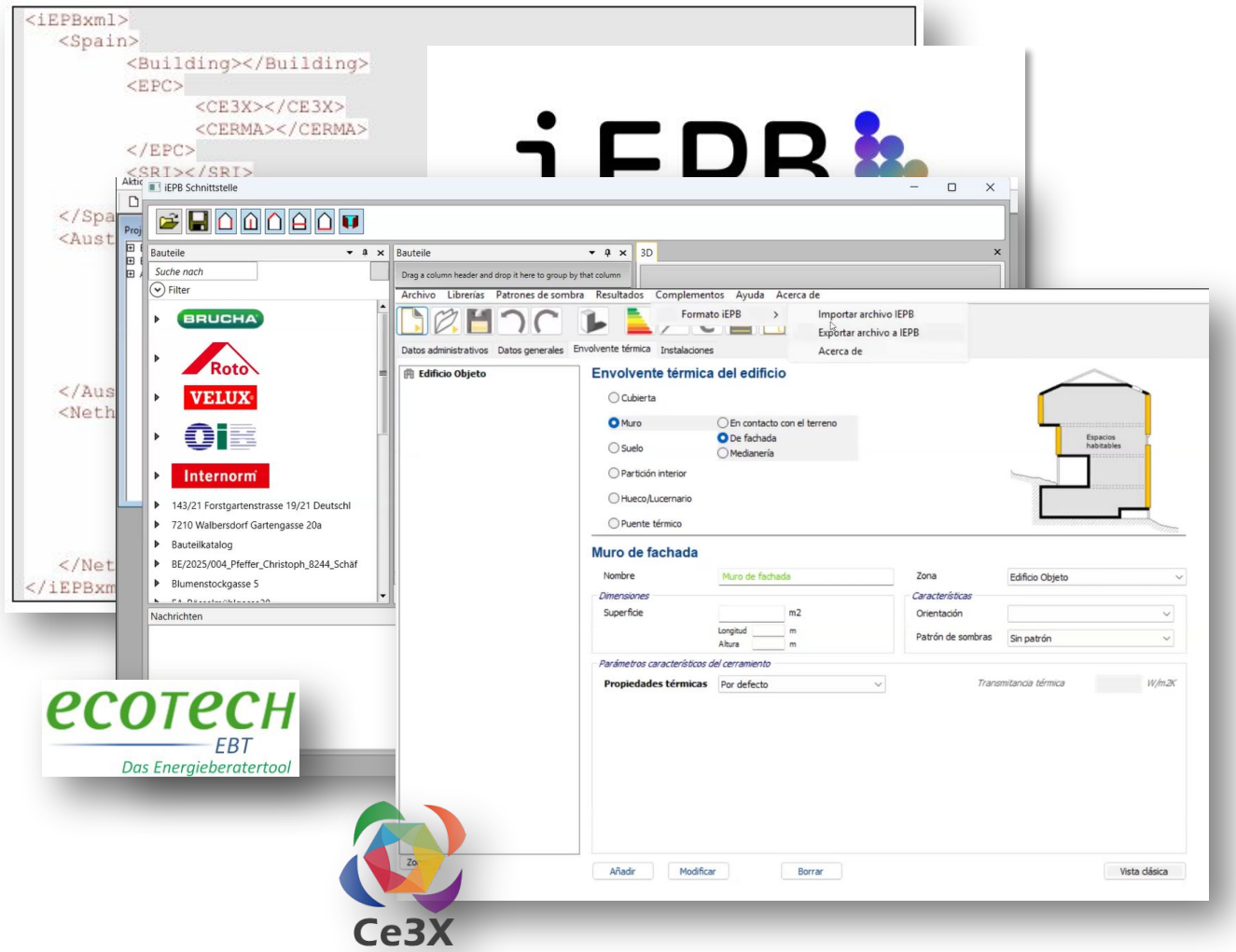
iEPB concept

iEPB schema



iEPB

ecotech EBT Das Energieberatertool

Ce3X

CERMA WIP

vabi Part of Vitec Software WIP

SRI2MARKET

iEPB SRI APP

one click reno WIP

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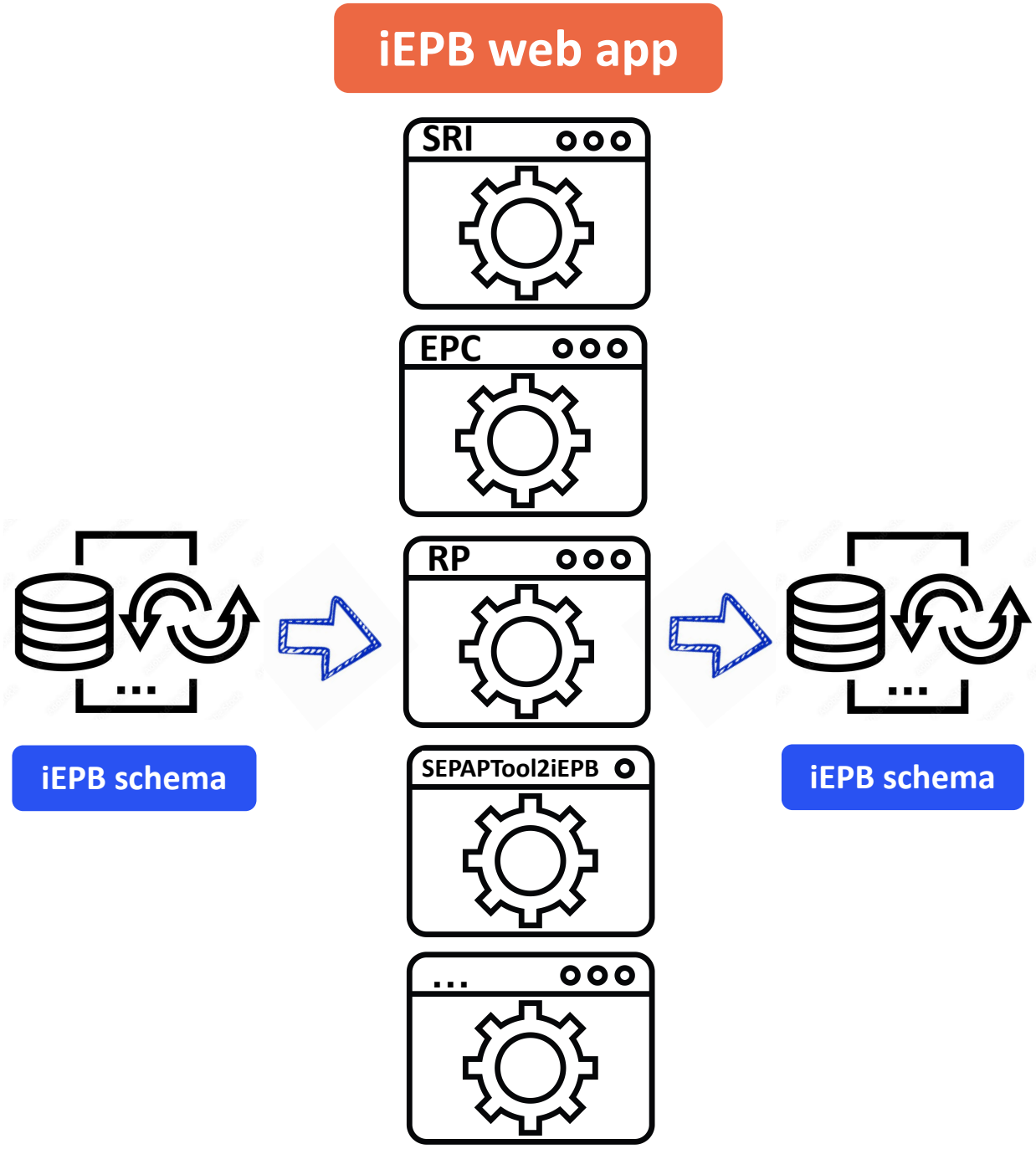
iEPB concept



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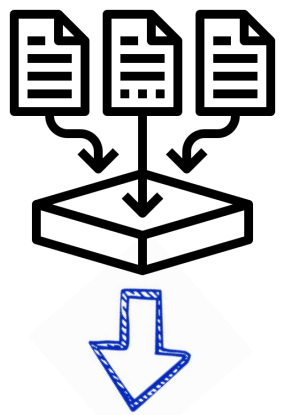
BUILDING DATABASES



iEPB schema

iEPB web app

PROFESSIONALS

Building professionals

iEPB web app

End-users

iEPB

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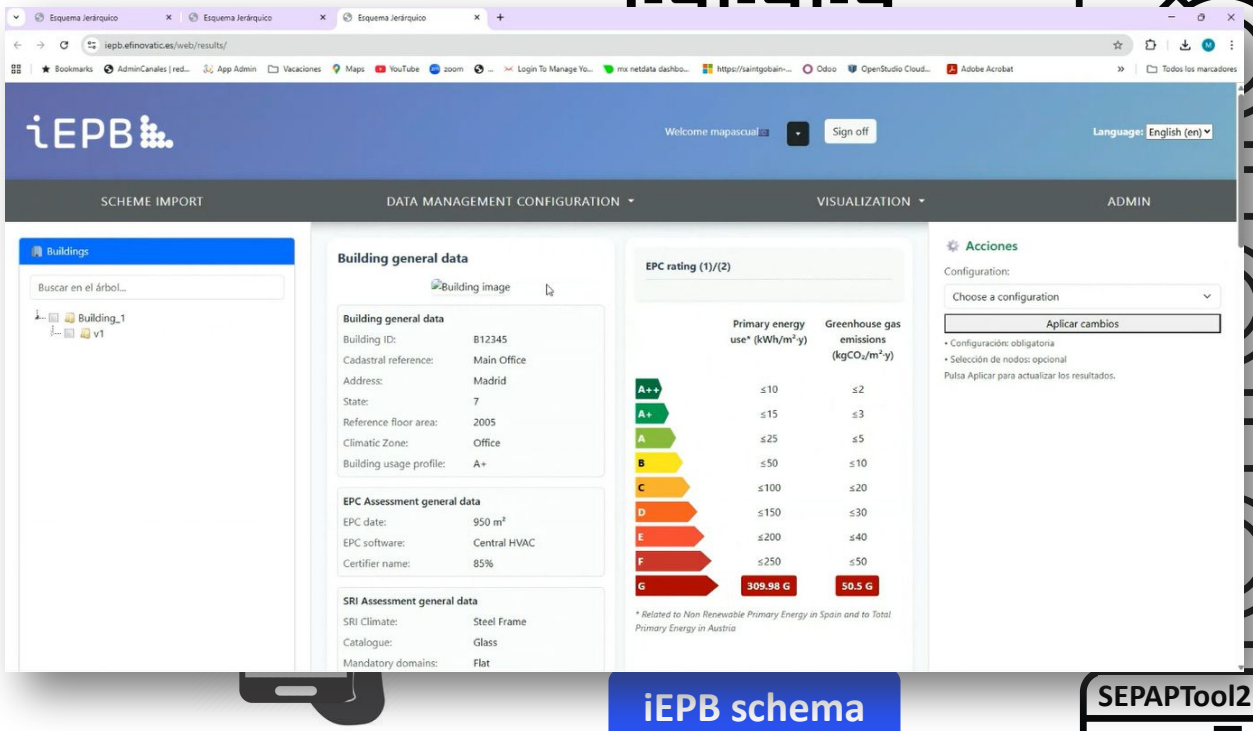
BUILDING DATABASES

iEPB web app



iEPB schema

iEPB web app

PROFESSIONALS

Building professionals

SRI

SEPAPTool2iEPB

...

iEPB schema

iEPB web app

END USERS

End-users

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BUILDING DATABASES

iEPB web app

SRI

EPC

RP

SEPAPTool2iEPB

...

iEPB schema

iEPB schema

API Data integration national databases

iEPB web app

PROFESSIONALS

END USERS

Building professionals

End-users

iEPB

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BUILDING DATABASES

```
C:\Program Files\SriStandAlone>SRIStandAlone.exe -h
usage: SRIStandAlone.exe [-h] [-i IMPORT_FILE] [-o OUTPUT_FILE] [-p [RESULT_FILE]] [-s [RESULT_SRI]]
                         [-kf1 [RESULT_KF1]] [-kf2 [RESULT_KF2]] [-kf3 [RESULT_KF3]] [-x [EXTRACT_FILES]]
                         [-e PACKAGE_FILES PACKAGE_FILES] [-v [SHOW_VERSION]]

SRI Stand Alone Applicationl

options:
  -h, --help            show this help message and exit
  -i IMPORT_FILE, --import_file IMPORT_FILE
                        Input file
  -o OUTPUT_FILE, --output_file OU
                        Output fi
  -p [RESULT_FILE], --result_file
                        Print resu
  -s [RESULT_SRI], --result_SRI [R
                        Print mair
  -kf1 [RESULT_KF1], --result_Kf1
                        Print Kf1
  -kf2 [RESULT_KF2], --result_Kf2
                        Print Kf2
  -kf3 [RESULT_KF3], --result_Kf3
                        Print Kf3
  -x [EXTRACT_FILES], --extract_fi
                        Extract xm
  -e PACKAGE_FILES PACKAGE_FILES,
                        Package xm
  -v [SHOW_VERSION], --show_versio
                        Show versi
```

iEPB

Standalone application for the SRI calculation /D3.3

WP 3, T 3.3

Authors: Miguel Ángel Pascual (EFINOVATIC), Daniel Jimenez (EFINOVATIC) and Marta Sampedro (CENER)

iEPB

PR

Bu

iEPB web app

SRI

EPC

RP

SEPAPTool2iEPB

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SRI Standalone application

iEPB schema

API Data integration national databases

iEPB web app

END USERS

End-users

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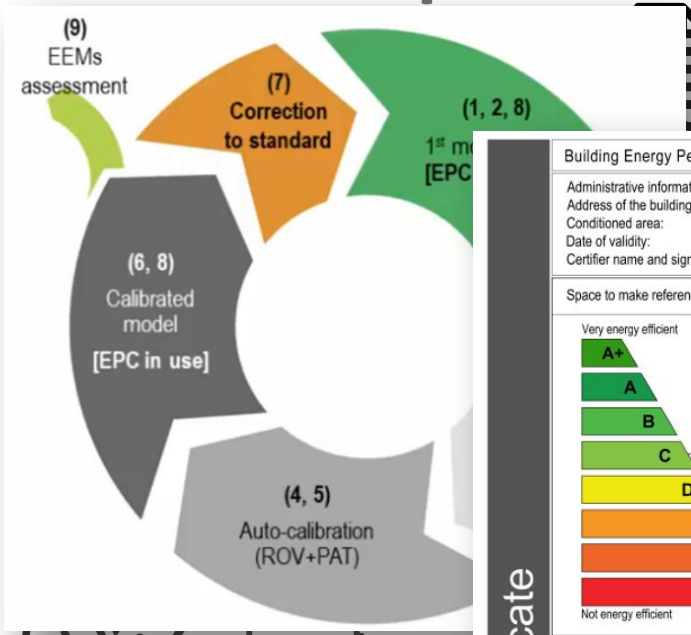
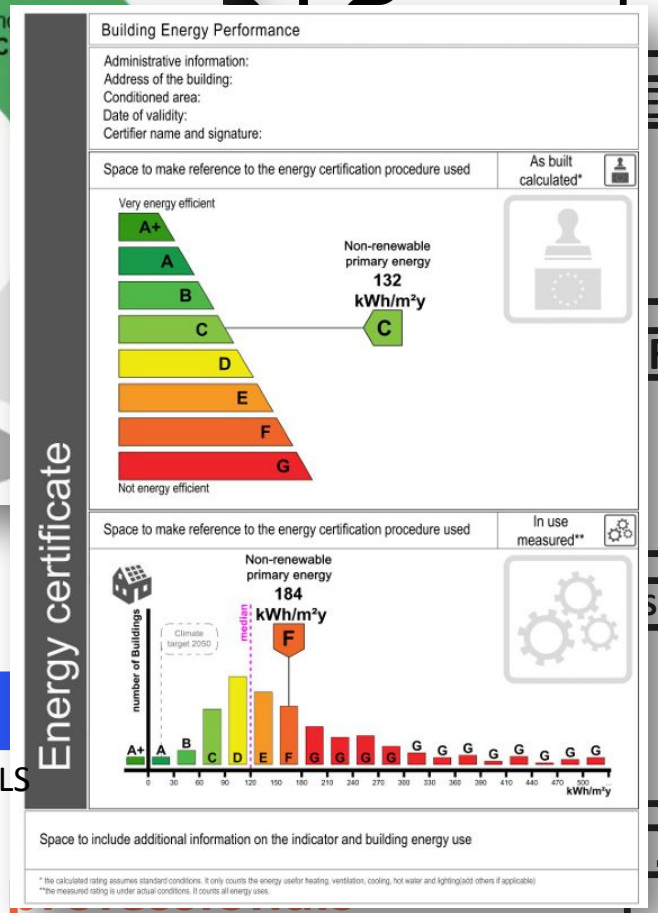


BUILDING DATABASES



iEPB web app

PROFESSIONALS

iEPB web app

SRI

EPC

RP

SEPAPTool2iEPB

...

SRI Standalone application

iEPB schema

SEPAPTool2iEPB

API Data integration national databases

iEPB web app

END USERS

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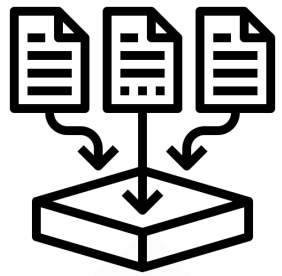
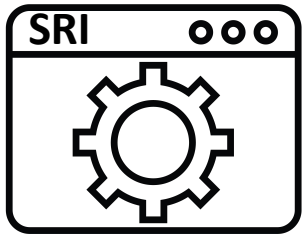


iEPB web app

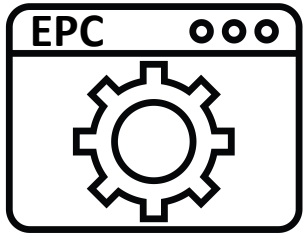
PROFESSIONALS

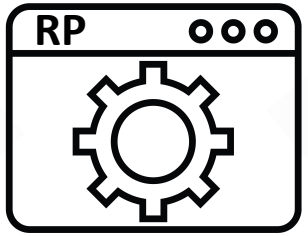
iEPB schema

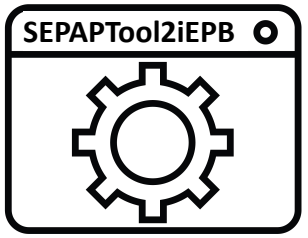
iEPB web app

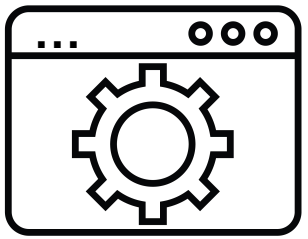


SRI Standalone application









SEPAPTool2iEPB

iEPB schema

National Policy recommendations

API Data integration national databases

iEPB web app

END USERS

Building professionals

End-users

iEPB

IVE

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How iEPB is facilitating practical EPBD IV implementation?

iEPB schema & iEPB web app

- **DLB – Digital Building Logbook** - *single file can centralise all building information in one location*
- **Art. 12 + Annex VIII – Renovation passports** - *integrates data collection required to generate Building Renovation Passports.*
- **Art. 16 - Data Exchange** - *enables interoperability of building performance data (EPCs, SRIs, BRPs, etc.) in a harmonised, digital format*
- **Art. 19 – Energy Performance Certtificates** - *supports issuing EPCs in digital, machine-readable format*
- **Art. 22 - Databases for the energy performance of buildings** - *provides machine-readable, consistent data that Member States can use to populate national databases and the EU Building Stock Observatory*

SRI Standalone application

- **Art. 15 + Annex IV – Smart readiness of buildings** - *delivers the dedicated assessment of Smart Readiness Indicators, in line with the harmonised methodology.*

SEPAPTool2iEPB (+ Protocol for Dynamic re-scaling base on actual energy use)

- **Annex I – Metered energy use** - *encourages using actual building data to improve the quality and reliability of performance assessments.*

iEPB

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Thank you!

https://iepb-project.eu/

iepb_coordinator@five.es

@iEPB_eu

https://www.linkedin.com/company/iepb-eu-project/

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SUSTAINABLE PLACES 2025

8-10 October 2025

Milano

Giulia De Aloysio

Barrio

Barrio

Renovating neighbourhoods
for a decarbonised future

BARRIO's Toolkit for Neighbourhood-Scale Energy Renovation

The BARRIO Project

Eng. Giulia De Aloysio, PhD
CERTIMAC

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SUSTAINABLE PLACES 2025

Why are we here?

Context & EPBD

~75% of EU buildings inefficient → 40% of energy use, 35% of GHG emissions

Renovation rate ≈1%/year → far below EU targets

EPBD Recast 2024/1275:

- From single-building retrofits → **neighbourhood-scale strategies**
- **District-scale renovation** explicitly supported (Recital 24, Art. 17, 28)
- Data collection (Art. 3–4) → **robust building stock inventories**
- Building Renovation Passports (Annex II) → **staged roadmaps**

The BARRIO project has received funding from the LIFE programme of the European Union under Grant Agreement no. 101167624

Our response: BARRIO

BARRIO anticipates the Directive:

- From fragmented data → **neighbourhood-scale Aggregated Renovation Plans** starting from **BRPs**
- Transforming **single-building BRPs** into **cluster-based staged roadmaps**
- Preparing **aggregated, automated renovation pathways** (APPs)
- Turning **policy ambition (EPBD / BRPs)** into **practical implementation at district level**

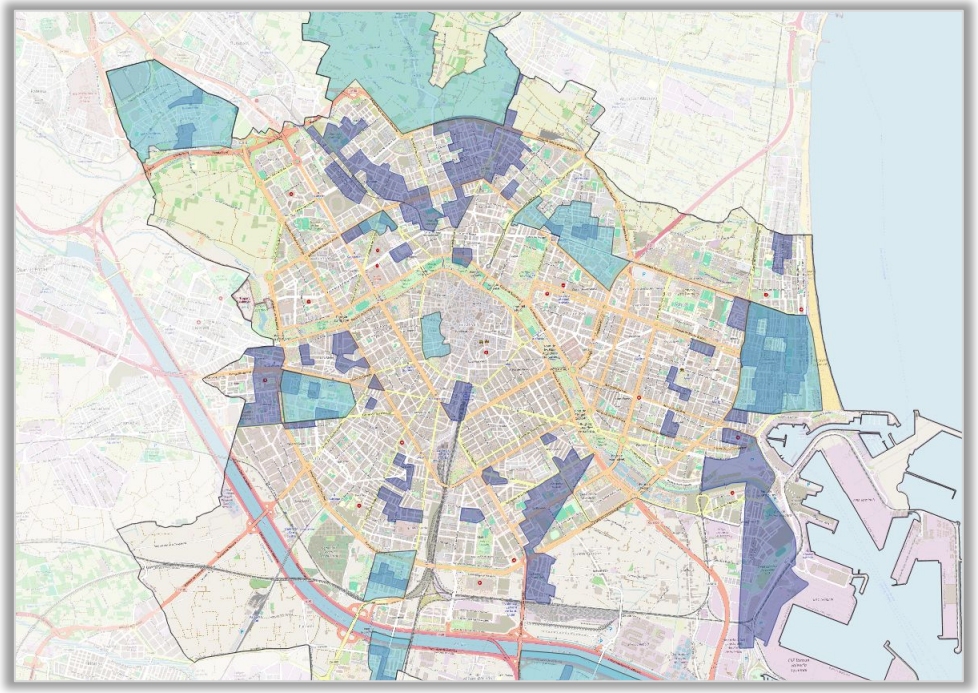
Barrio
Renovating neighbourhoods for a decarbonised future

The BARRIO project has received funding from the LIFE programme of the European Union under Grant Agreement no. 101167624

Data as the foundation

Why data matters?

- **Context Analysis & Clustering**: group buildings by type, age, ownership, condition → ready for joint renovation actions.
- **Renovation Needs Matrix**: aligns local priorities, urgent needs & market opportunities.
- **Integrated Data Layers**: EPCs, energy/comfort, socio-economic vulnerability, governance & finance readiness.



👉 Outcome: a **neighbourhood-level dataset** enabling aggregated investment pipelines & collective renovation plans.

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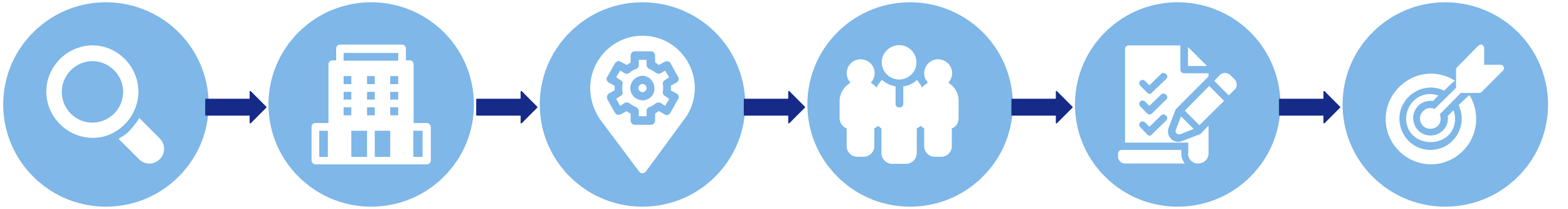
How it flows: the BARRIO journey



1 Context analysis

2 Building clustering + Aggregation of renovation needs

3 Prefab solutions + Service providers + Business models

4 Matching demand & supply

5 Automatic generation of APPs (Aggregated Prefabricated Plans)

6 Validation of APPs + Large-scale adoption

The neighbourhood approach transforms
data & BRPs into collective, finance-ready renovation strategies.

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Why it matters?

BARRIO is already EPBD in practice

🌍 **4 pilots** → validating the neighbourhood approach in diverse EU contexts

🍃 **Expected 5-year impacts**:

- +10% renovation rate
- 56 GWh/year saved
- ~2,500 tCO_2eq/year avoided

💡 **Upskilling**: Renovation Pack + DMT Pack → registry of certified professionals

📊 **Policy feedback loop**: APPs integrated into **SECAPs, NECPs, EPBD roadmaps**

BARRIO makes the neighbourhood approach **operational and scalable**:
DATA → BRPS → APPS → MARKET-READY RENOVATION PATHWAYS

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Thank You

@BARRIO_EU

barrio@certimac.it

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8-10 October 2025

Milano

Sara Dorregaray

BuildUPspeed

www.sustainableplaces.eu

BuildUPspeed

Sara Dorregaray and María Ibáñez

ACR

The BuildUPspeed project has received funding from the LIFE programme of the European Union under Grant Agreement no. 101075843.

The challenge

Energy Performance Building Directive.

- **A couple of 1.000 projects**
- **More than 200.000€ invested**

Industrialised construction

- Faster and more efficient on-site delivery
- Reduced waste and emissions
- Improved quality and traceability of processes
- Better energy performance of buildings

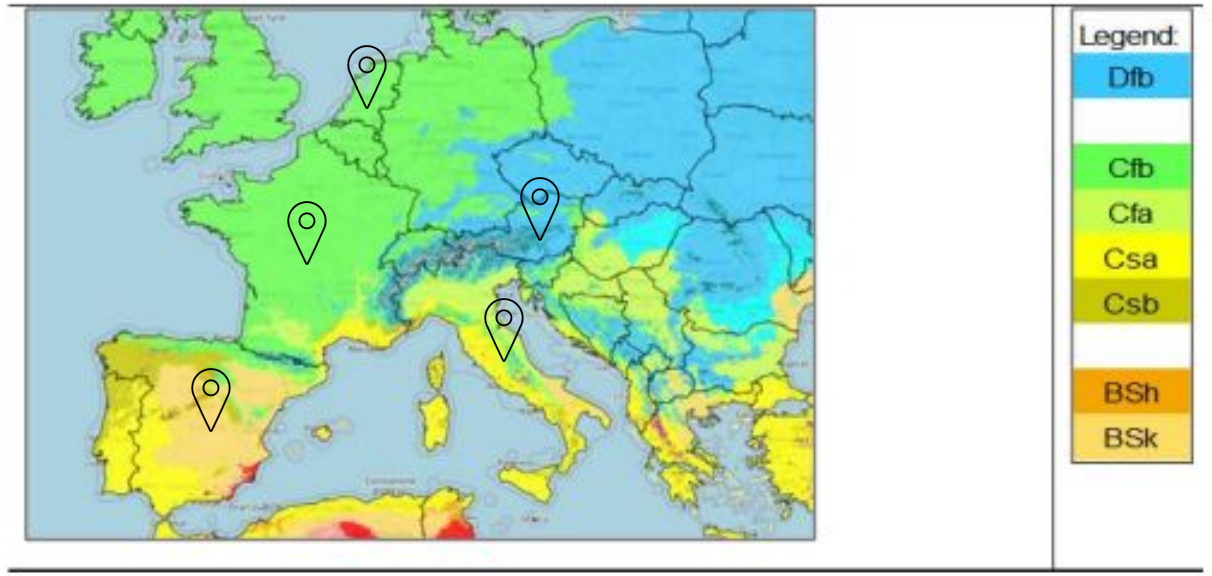
Our mission

- Use of **industrialized solutions**
- Committed to **bridging technical gaps**
- **Support the building sector in achieving greater efficiency and sustainability**
- Unlock **the value of European research**
- Support architects, developers, contractors, manufacturers, public authorities and even **end-users in identifying the industrialised solutions** that best fit their specific needs and context

Ecosystems

Identified climatic zones:

- Austrian
- French
- Italian
- Netherlands
- Spanish



Ecosystem Climate classification

Austria	Dfb	Cold	no dry season, warm summer
	Cfb	Temperate	no dry season, warm summer
France - Metropole of Bordeaux	Cfb	Temperate	no dry season, warm summer
The Netherlands	Cfb	Temperate	no dry season, warm summer
Italy - Milan area	Cfa	Temperate	no dry season, hot summer
Spain	Dfb	Cold	no dry season, warm summer
	Csa	Temperate	dry summer, hot summer
	Csb	Temperate	dry summer, warm summer
	Cfb	Temperate	no dry season, warm summer
	BSh	Arid	steppe, hot
	BSk	Arid	steppe, cold

Tools

Tools to bridge innovation and the market
To close the gap between technology and real-world needs, the BUPS team is developing two innovative tools:

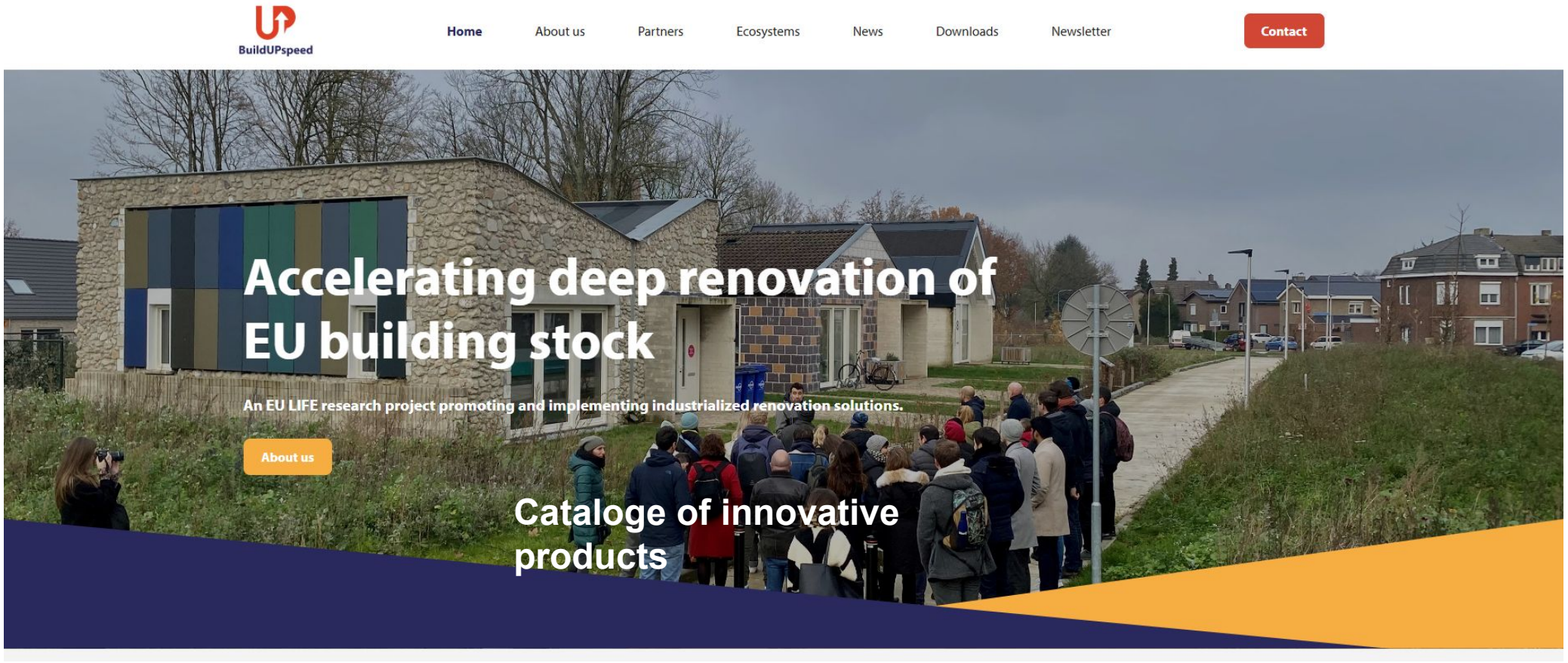
Tool: MAP

Tools to bridge innovation and the market

To close the gap between technology and real-world needs, the BUPS team is developing two innovative tools:

Market Activation Platform (MAP)– A digital hub that consolidates industrialized solutions, technical data, and real-world case studies. This platform aids decision-makers in identifying the most effective solutions for their specific goals and contexts, while considering digital innovation methods and circularity criteria.

Tool: MAP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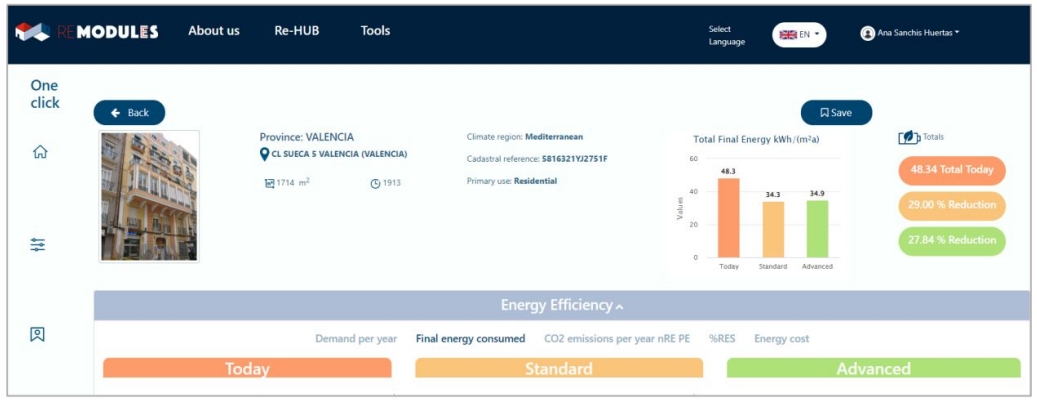
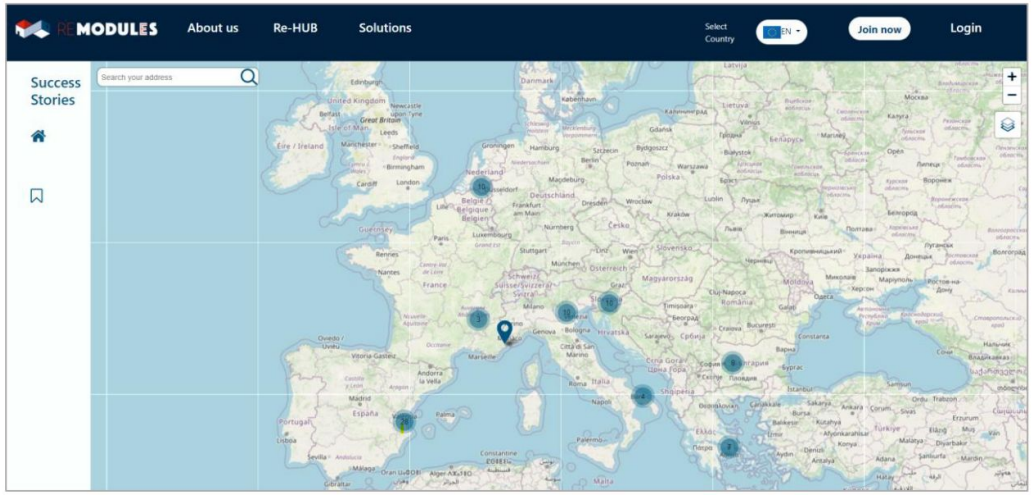
Accelerating deep renovation of EU building stock
An EU LIFE research project promoting and implementing industrialized renovation solutions.
About us
Cataloge of innovative products

Tool: MAP

- Design through BIM
- VR visualizations
- Implementation
- Feedback

& Connect with Re-MODULEES platform:





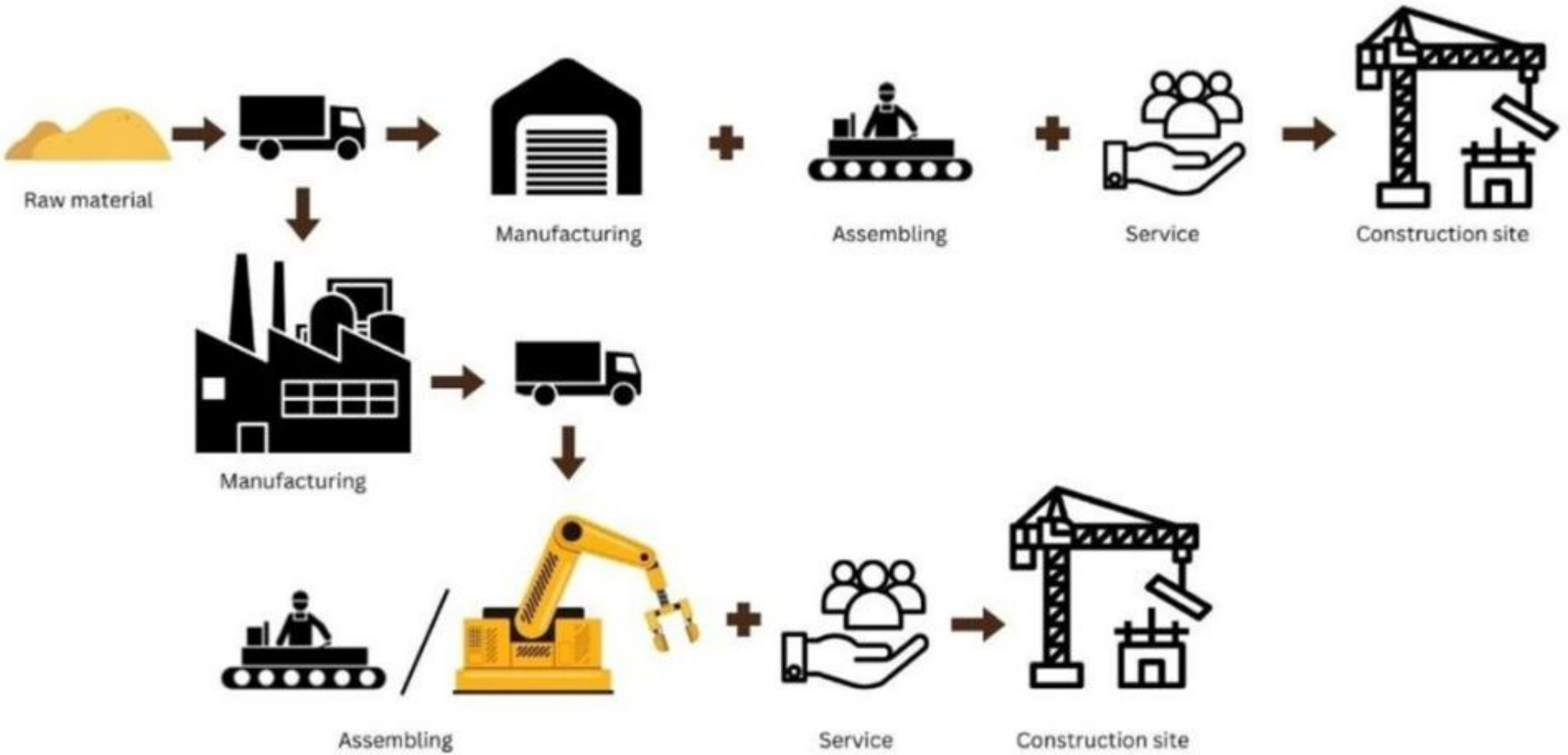
Tool: PuF

Tools to bridge innovation and the market
To close the gap between technology and real-world needs, the BUPS team is developing two innovative tools:

Market Activation Platform (MAP)– A digital hub that consolidates industrialized solutions, technical data, and real-world case studies. This platform aids decision-makers in identifying the most effective solutions for their specific goals and contexts, while considering digital innovation methods and circularity criteria.

Pop-up Factories (PuF) – Modular, temporary or semi-permanent production units designed to operate near renovation sites. Their proximity enables real-time customisation, reduces transport needs, and enhances sustainability. Within BuildUPspeed, five distinct PuF scenarios are explored—ranging from mobile on-site units to regional district factories and service hubs—each offering a tailored approach to match local renovation demands, regulatory conditions, and market maturity. By aligning industrial capabilities with specific project contexts, PuFs offer a transformative solution to scale up deep renovations across Europe.

Tool: PuF

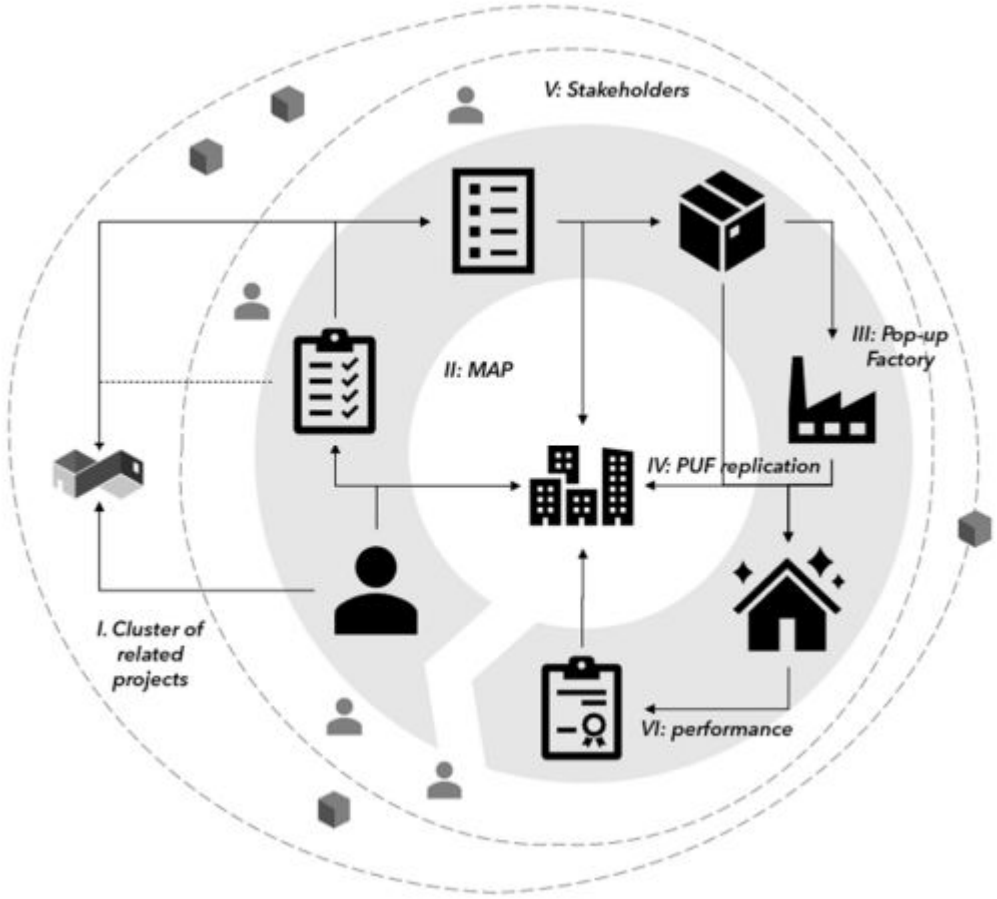

Raw material
Manufacturing
Assembling
Service
Construction site
Manufacturing
Assembling
Service
Construction site

Why this matter

- The transformation of construction benefits everyone:
  - safer housing
  - better energy performance
  - lower environmental impact
  - faster responses to social and climate emergencies

- Promoting the use of industrialization, digital innovation, and circularity criteria.

- Conecction between final user or determined need and technology.



BuildUPspeed

Thank you for your attention!

The BuildUPspeed project has received funding from the LIFE programme of the European Union under Grant Agreement no. 101075843.

Colofon

This project has received funding from the European Union's LIFE framework programme under grant agreement no. 101075843

The information in this publication does not necessarily represent the view of the European Commission.

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SUSTAINABLE PLACES 2025

8-10 October 2025

Milano

Leticia Ortega

FACILITA

FACILITA

Facilitating Ambitious Energy Renovation of Public Buildings through Integrated Services

Leticia Ortega IVE – Valencia Institute of Building www.five.es

Co-funded by the European Union

WHAT?

Trigger ambitious **renovations** in **public buildings** offering Spanish local and regional public bodies a comprehensive and **all-inclusive service** of technical, financial and legal advice, procurement and quality assurance of works.

HOW?

By creating **3 OSSs** providing **integral renovation solutions**, shifting from an atomised model characterised by fragmented demand and supply. FACILITA will explore **3 different OSS models**, regarding institutional force, governance, service portfolio and finance mechanisms.

FACILITA and the EPBD 2024: The Role of One-Stop-Shops

EPBD 2024 highlights **One-Stop-Shops (OSS)** as key instruments to simplify the renovation journey. FACILITA establishes 3 regional OSS for public buildings in Spain, addressing EPBD priorities:

- **Integrated support:** technical, legal, financial, and procurement assistance.

- **One-Click Information**: clear communication, legal/regulatory analysis, link with EU and local policies.

- **Financing solutions**: supporting the application of innovative mechanisms by engaging frontrunner public administrations.

- **Building Renovation Passport (BRP) logic:** long-term planning and traceability of renovation steps.

- **Capacity building:** empowering facilitators, training OSS staff, ensuring long-term operational capacity.

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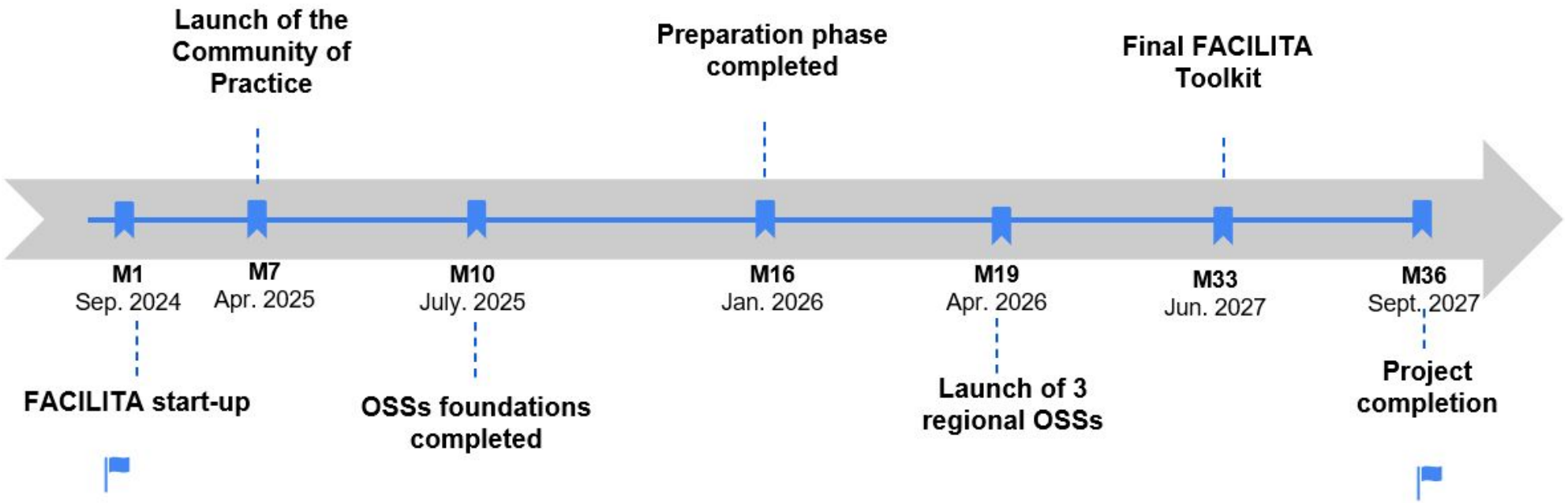
WHEN?



RESULTS / IMPACTS?

3 operational **OSS**

Investments mobilised in the renovation of public buildings

95.11 GWh/year final energy savings

40.25 GWh/year renewable energy generation.

Policies and strategies created or adapted

Action Plan and Toolkit to ensure replicability

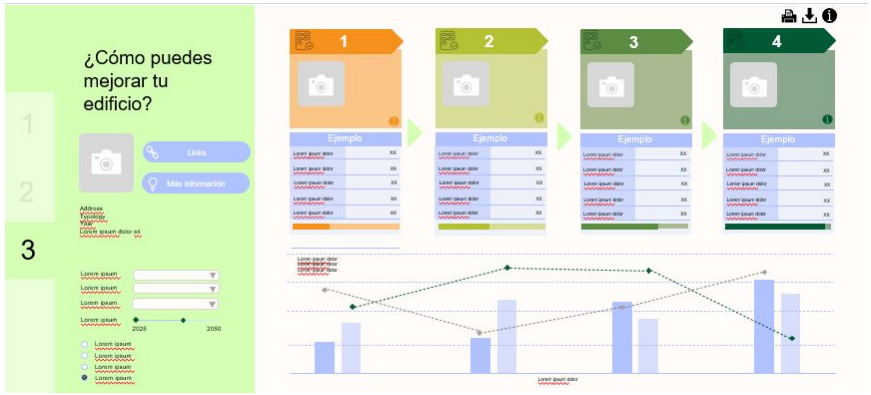
CONNECTION WITH OTHER PROJECTS

FACILITA leverages and adapts existing innovations developed in other projects to public buildings:

- **From OneClickRENO (OCR):** digital tools and methodologies for Building Renovation Passports (BRPs) that simplify long-term planning.
- **From BARRIO:** approaches for aggregating demand and engaging local ecosystems at neighbourhood scale.

This creates synergies across projects and maximises the impact of EU-funded innovation.

one click reno



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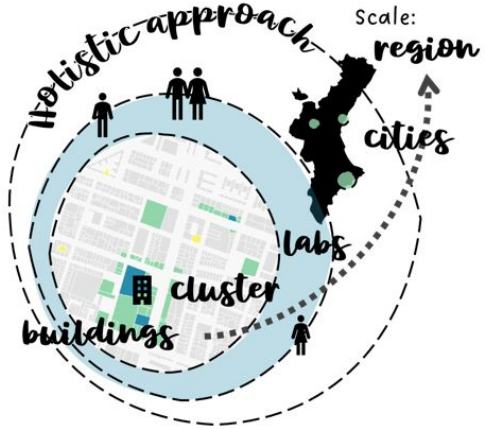

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Milano

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R2M RESEARCH TO MARKET SOLUTION

PANEL DISCUSSION

Building Renovation in Practice
Challenges, Solutions and Collaboration

BuildUPspeed

Barrio

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