ENERGATE Project Overview

Regional Training Workshop in Riga

29th May 2024

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The Challenge

Building side	VS	Financial side
Needs • Access to finance • Technical expertise • Simplified processes		**Needs** • Reliable data on EE projects • Large financeable packages • Project evaluation and risk assessment
Interests • Energy and cost savings • Property value enhancement • Enhanced Comfort and Indoor Environment Quality		**Interests** • Investment Security • Sustainable Investment Opportunities • Portfolio Diversification
Barriers • High upfront costs • Complexity of procedures • Lack of awareness and information		**Barriers** • Perceived Risks • Lack of Standardised Procedures • Uncertain or weak economic environment

The ENERGATE Project

Smart energy marketplace for sustainable investments

January 2023 – June 2025

The ENERGATE vision

Enable easy, predictable and risk-weighted renovation investments



Project development of retrofitting actions



Access to sustainable finance for renovation projects



Business matchmaking in a user-friendly ICT-enabled platform

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The ENERGATE Consortium

- **Well-balanced in terms of company types, expertise and value chain.**
- **Complementary expertise, from research and industry area**
- **Deliver successful exploitation of project results**



Project Coordinator

EPU N·T·U·A

Project Objectives

Project development

A large standardized project development facility for EE project sponsors and owners or private or public entities

Feedback loops

Appropriate feedback loops that will measure the impact of the ENERGATE platform, i. e. by means of suitable M&V processes.

Aggregation

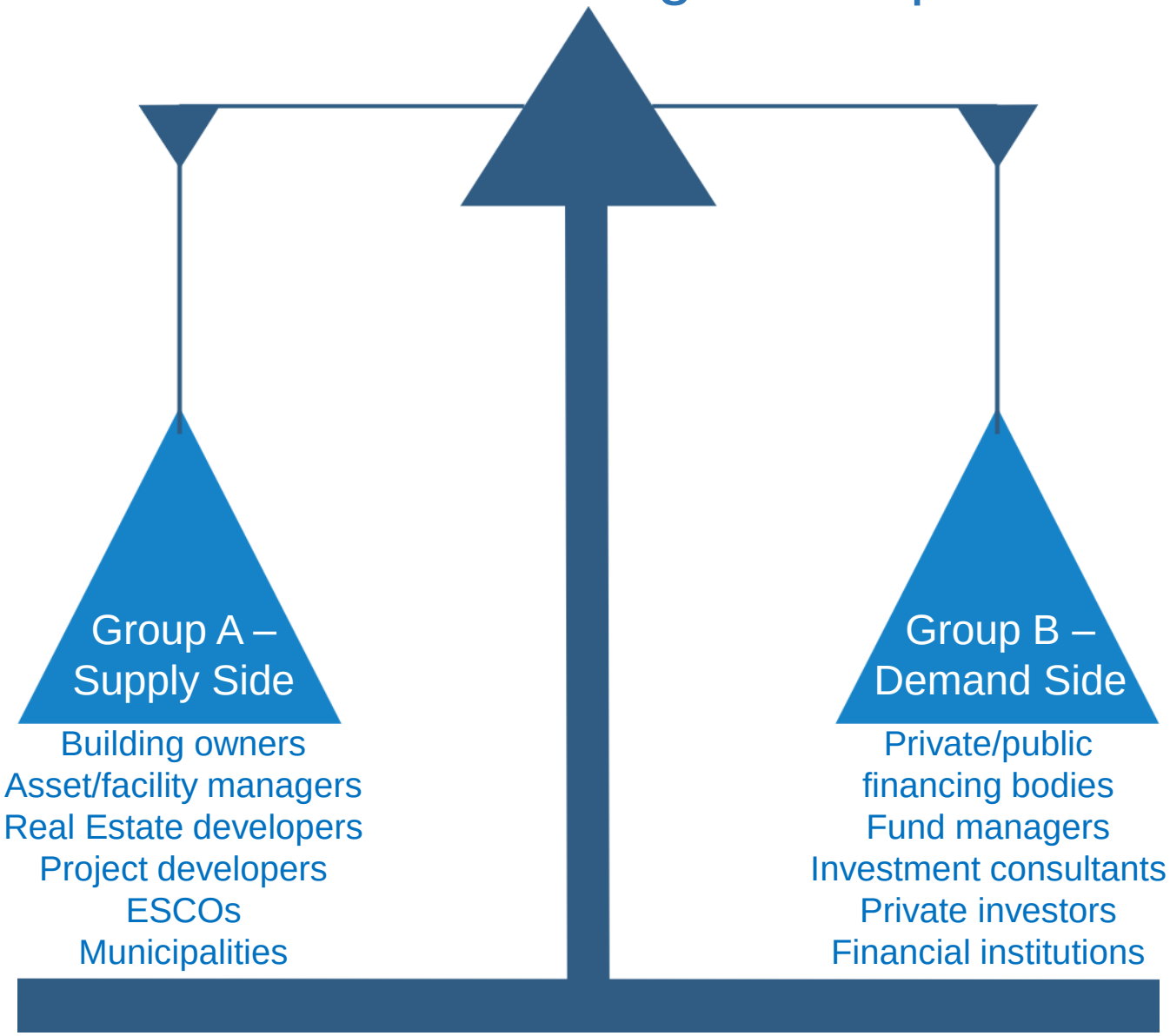
An aggregation, due diligence, and cash flow enhancement process, where projects and measures shall be packaged and enhanced appropriately, to be offered to financiers

Business matchmaking

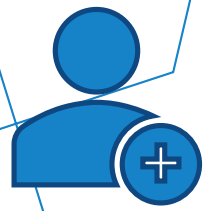
Providing added value services to all of its users, by enabling business matchmaking, quality assessments and user profiling and generally facilitate data and information exchange.

ENERGATE is an energy efficiency marketplace, where some parties would use it to increase the probability of their projects being financed and some parties would be able to source ready-made projects and build portfolios.

ENERGATE Target Groups

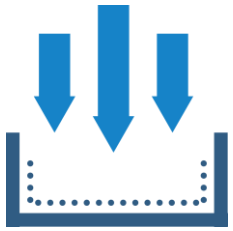


Platform Stages (1/4)



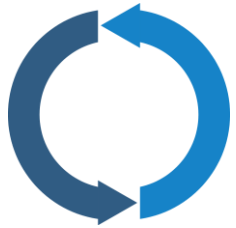
Zero

- User profile
- Registration
- Insertion of user-related data



Fetch

- Collection of structured information about projects
- Ensuring that key technical and commercial information is properly declared



Process

- Identification of similarities between projects and investors KPIs
- Project aggregation and bundling
- Matching opportunities with investors (financial and energy related KPIs)



Deliver

- Follow up on projects
- Validation of M&V methodologies
- Definition of relevant KPIs and benchmarks

Platform Stages (2/4)

Fetch Stage

ENERGATE will treat the large diversity of Energy Efficiency projects by:

1. Ensuring that **key information** related to the technical, commercial and risk-related aspects are **properly declared by each project** at the state of entering data into the platform.
2. From the data, metrics and ontologies included in the platform the user that enters the project will get **feedback on available renovation measures, financing options, comparison of performance KPIs** (e.g. before & after energy performance benchmarks from similar projects).

Platform Stages (3/4)

Process Stage

Streamline and speedup the process of defining “products” (investment packages) for implementation and financing.

1. ***Aggregation***
   Similarities between the different products will be identified through **filters** to create the different **bundles** (e. g. Implementor of the project, same typology and use of the building, location, type of energy efficiency measures, financial criteria).

2. ***Matchmaking***
   Selection of the best combination of products and **product financing** by **prioritising** the most attractive products based on the listed properties, KPIs and financial indicators for each project.

Platform Stages (4/4)

Deliver Stage

Follow-up on all realised projects and seek to contribute to the continuous feeding of the database.

1. **Implementation and validation** of appropriate M&V methodologies and definition of meaningful KPIs and benchmarks.
2. **Visualisation** of project results.

Expected Impact (1/2)

ENERGATE Pilots

Deployment & validation phase to be done by indicative representatives from Demand & Supply side – strategically selected to ensure diversity

LDK CONSULTANTS

Energy Consulting, Design of cost optimal solutions for EE

commuty

SME, expertise of asset and project management

enerbrain

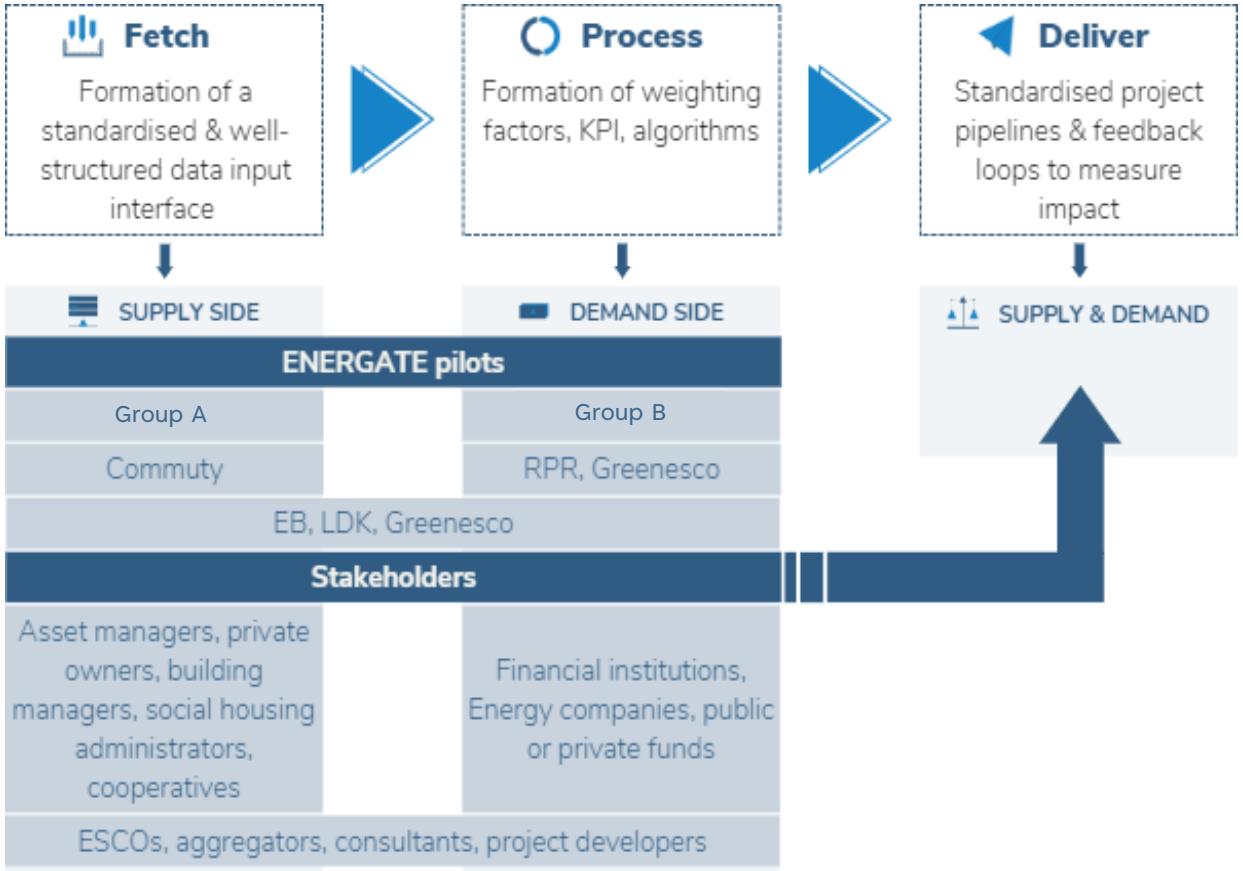
Turns energy-wasteful building into smarter (IoT, algorithms).

Riga Planning Region

Planning socioeconomic development of Riga, identification of projects

GREENESCO ENERGY SERVICES

Founded by Attica Finance & PPCR, access to infrastructures & buildings



Expected Impact (2/2)

5 Pilots

6 Countries

UP TO **67** GWh/year — Final energy savings

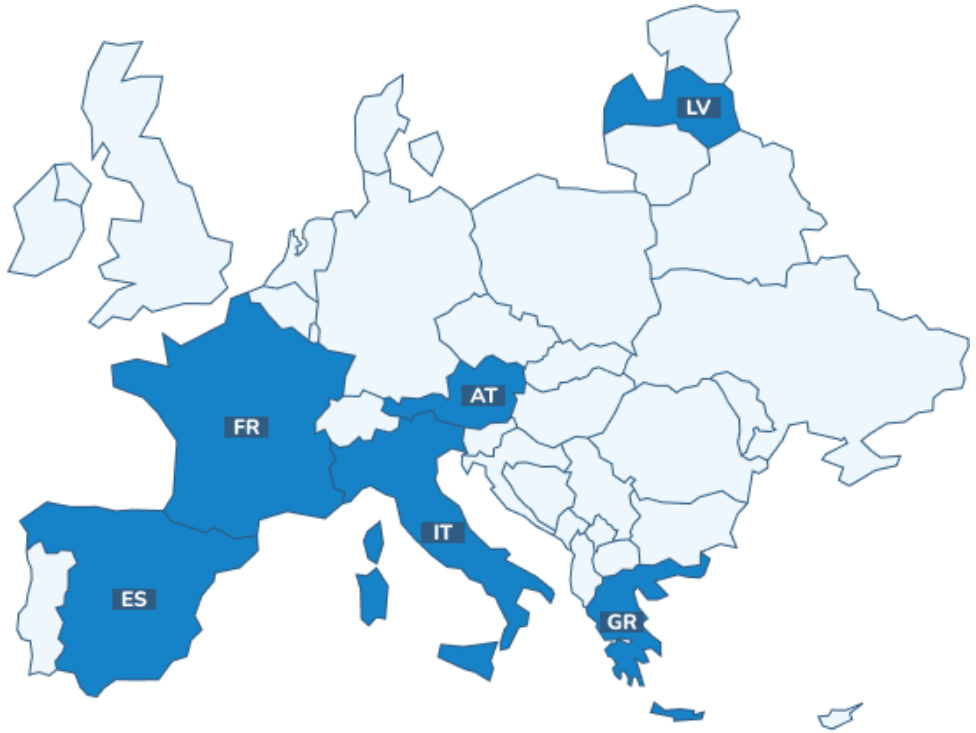
200 Users

UP TO **180** — Building Renovation Projects

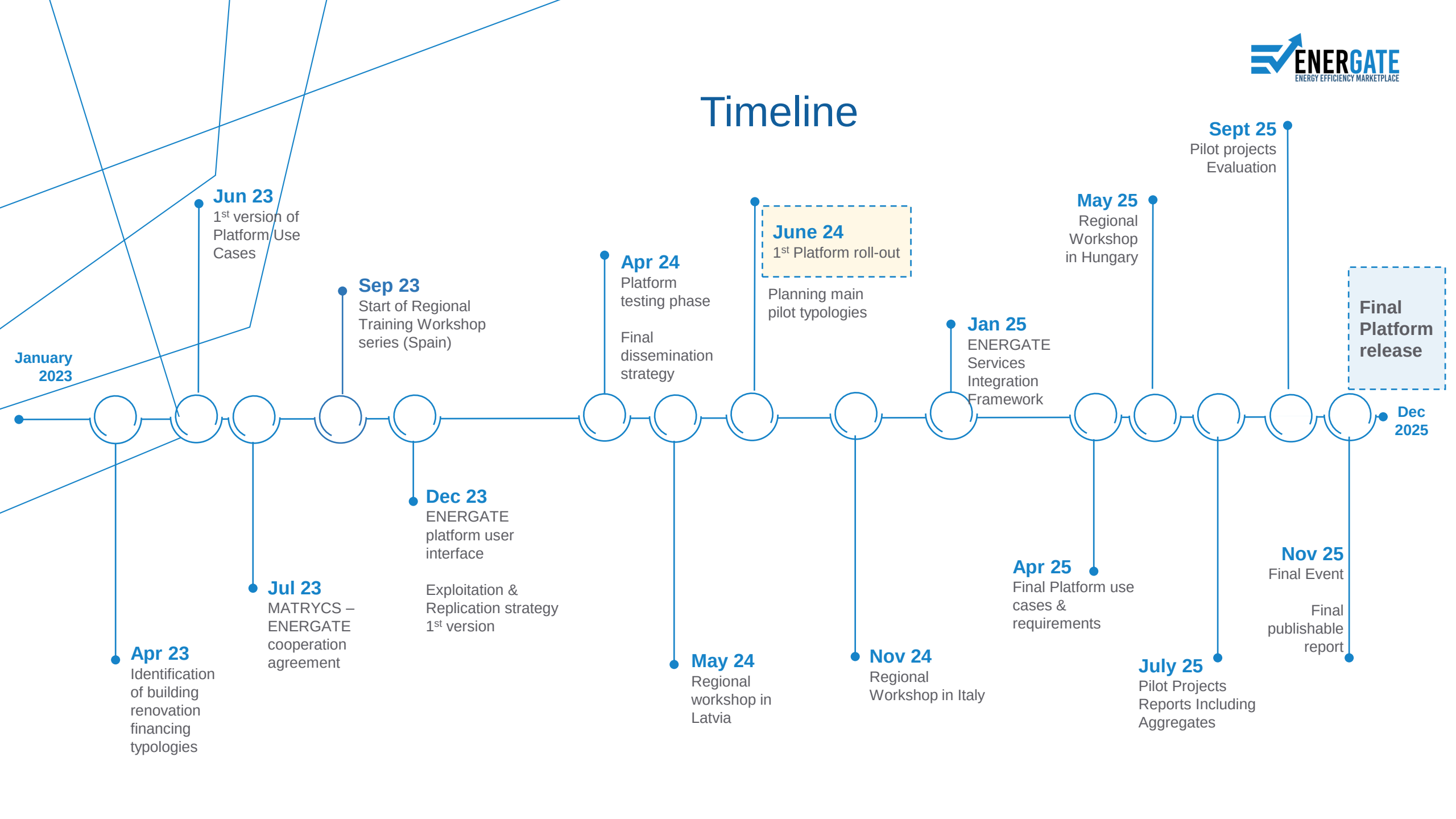
40-50 Country experts

UP TO **23** tCO_2eq/year — GHG emissions saved

UP TO **53** Million Euros — Triggered investments



Timeline


January 2023
Jun 23
1st version of Platform Use Cases
Sep 23
Start of Regional Training Workshop series (Spain)
Apr 24
Platform testing phase
Final dissemination strategy
June 24
1st Platform roll-out
Planning main pilot typologies
Jan 25
ENERGATE Services Integration Framework
May 25
Regional Workshop in Hungary
Sept 25
Pilot projects Evaluation
Final Platform release
Dec 2025
Apr 23
Identification of building renovation financing typologies
Jul 23
MATRYCS – ENERGATE cooperation agreement
Dec 23
ENERGATE platform user interface
Exploitation & Replication strategy 1st version
May 24
Regional workshop in Latvia
Nov 24
Regional Workshop in Italy
Apr 25
Final Platform use cases & requirements
July 25
Pilot Projects Reports Including Aggregates
Nov 25
Final Event
Final publishable report

Explore our Results

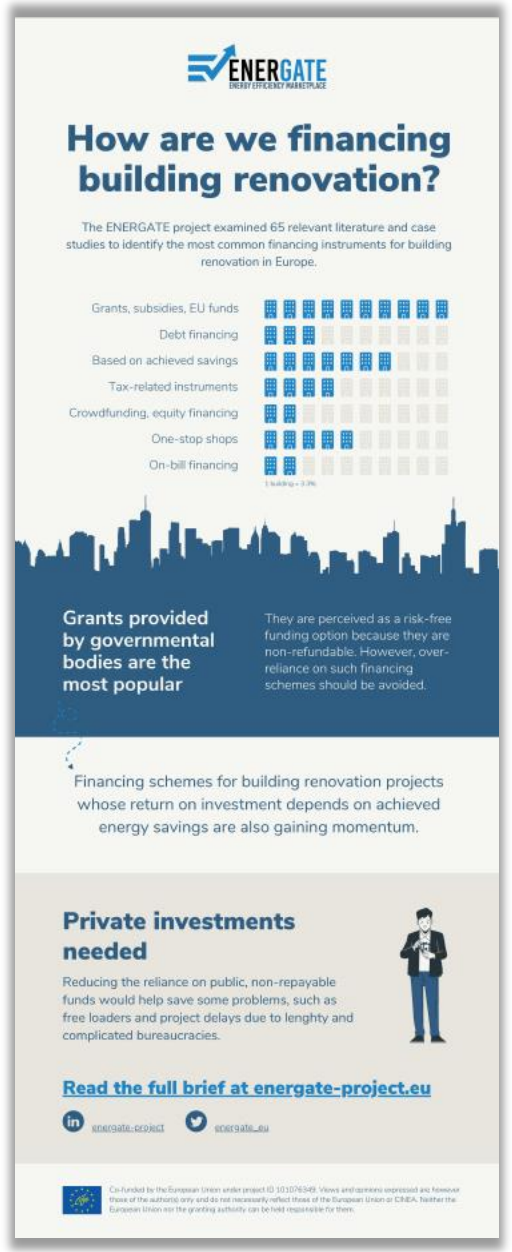


[ENERGATE Expert Talk at REHVA Brussels Summit]



[ENERGATE Newsletter issue December 2023]

[ENERGATE Factsheet on Financing Typologies for Building Renovation]





[Factsheet on ENERGATE Regional Training Workshop in Madrid]



[ENERGATE User Profiles]

Explore our Videos





Available in our YouTube Channel here





THANK YOU

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