

## Introduction

### Context

European legislation such as the Energy Performance of Buildings Directive (EPBD) and the Renewable Energy Directive (RED) require member states to develop ambitious policies in the building sector. The intelligent design of integrated policy packages supporting nearly zero-energy buildings (nZEB) and renewable heating and cooling (RES-H/C) will be crucial for achieving ambitious energy and CO2 savings in the building sector. In particular, this holds for the refurbishment of existing buildings.

### Objectives

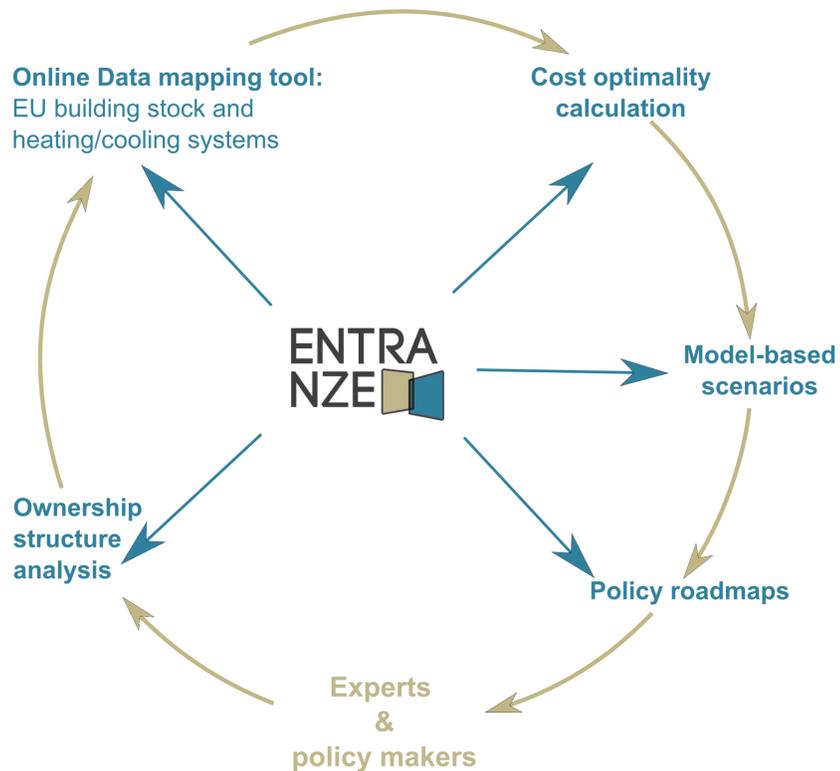
The objective of the ENTRANZE project is to actively support policy making by providing the required data, analysis and guidelines to achieve a fast and strong penetration of nZEB and RES-H/C within the existing national building stocks. The project intends to connect building experts from European research and academia to national decision makers and key stakeholders with a view to build ambitious, but reality proof, policies and roadmaps.

## Content

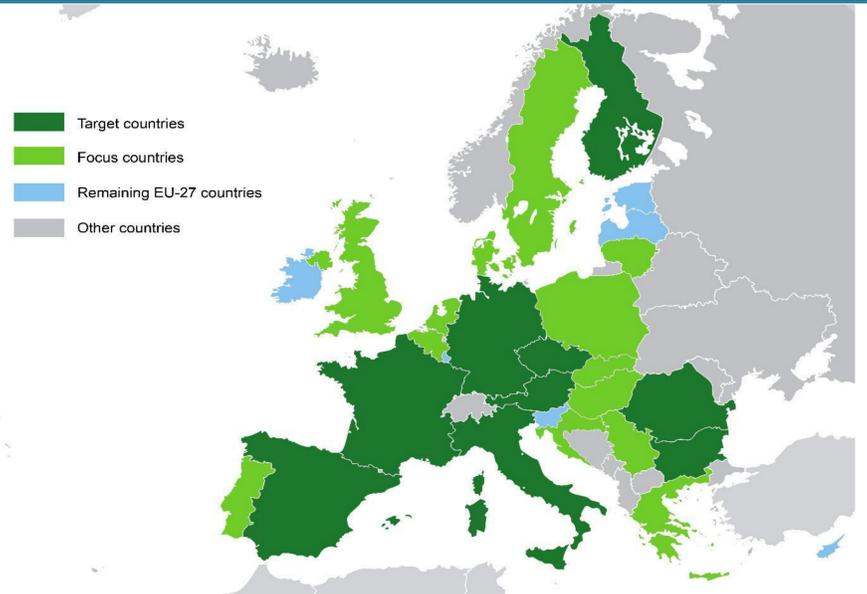
The project will allow for evidence based policy making by providing:

- An online data mapping tool allowing user friendly access to building data, energy demand indicators, structure and typology of investors, scenario results;
- Analyses regarding cost-optimal levels of nZEB;
- An overview of innovative integrated policy sets that aim at the nZEB standard;
- Model-based scenarios up to 2030 for the heating and cooling energy demand developed by the models Invert/EE-Lab and POLES;
- International comparative policy analyses;
- Policy roadmaps, recommendations to local, regional, national and EU-level.

Dissemination activities will transfer results to other countries and the EU-level.



## Regional coverage



The project concentrates on the nine target countries, covering >60% of the EU-27 building stock. Data, scenarios and recommendations will also be provided for EU-27 (+ Croatia and Serbia).

## Policy Process and Communication Activities

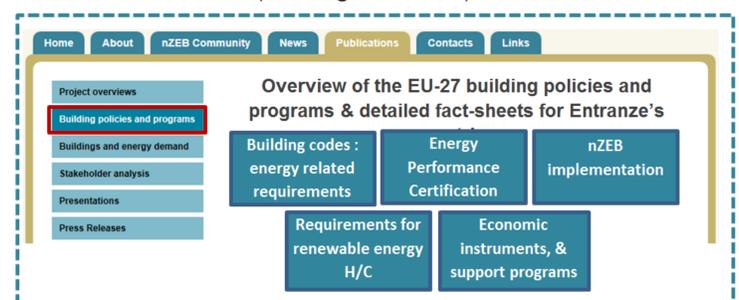


A core part of the project is the dialogue with policy makers and experts, based on profound data, analyses and scenario development

Policy makers will gain a deep understanding of the impact of policy instruments and get access to a broad set of data relevant for decision making. This provides transparency and assures confidence in the long-term perspective of this sector.

## EU-27 building policies and programs

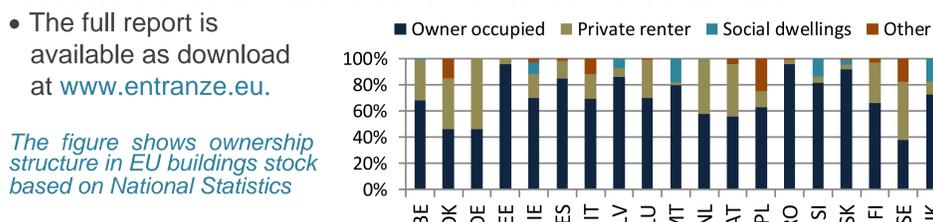
A comprehensive comparative analysis of building policies in EU-27 has been carried out. Moreover, for each of the target countries a fact-sheet provides more detailed information on the policy setting in the building sector. The report is available at [www.entranze.eu](http://www.entranze.eu) (see Figure below).



## Ownership structure & stakeholders analysis

One key aspect in developing successful policies is knowing the way in which building owners, users and other stakeholders in different countries react to policy measures. Some highlights of our stakeholder analysis are:

- Owner occupied single family homes (20-57% of total building area) is a relatively similar category in all investigated countries.
- In multifamily homes there is a huge variety regarding the share of owner occupied dwellings and the conditions for decision making in them.
- Low-income households (7%-24% of home owners) and elderly people have special needs to be addressed by policy instruments.
- Almost all of the building owners give a priority in their decisions to the initial cost of measures. This is due to unsophisticated financial analysis, but also because of uncertainties and lack of well-suited financial services.
- The full report is available as download at [www.entranze.eu](http://www.entranze.eu).



The figure shows ownership structure in EU buildings stock based on National Statistics

## Contact and further informations

Project duration: April 2012 – September 2014

Project consortium:



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[www.entranze.eu](http://www.entranze.eu)

