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# EPC RECAST

## ENERGY PERFORMANCE CERTIFICATE RECAST

### A New Toolbox for more Reliable and User-Centred Energy Performance Certificates of Buildings

R

RELIABILITY

E

ENERGY AND BEYOND

C

COMPARABILITY

A

AWARENESS, ACCEPTANCE & USER-FRIENDLINESS

S

STANDARDS & SMART-READINESS

T

TRANSPARENCY

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## EPC RECAST aims to make energy performance assessment in buildings more reliable and user-centred

**EPC RECAST is a Horizon2020 funded project (September 2020 - December 2023) with the main aim to make Energy Performance Certificates more user-friendly while improving the reliability, accuracy and clarity of information provided.**

In October 2020 the European Commission unveiled the Renovation Wave Strategy including a target to double the annual renovation rate of buildings by 2030. One of the key elements identified to trigger investments into retrofitting was the improvement of Energy Performance Certificates (EPCs).

To turn them into a robust market tool that can both be trusted and useful for users, a next generation of EPCs is needed. To engage building owners towards deep renovation, structured and tangible pathways need to be provided to reach an energy efficient building.

When it comes to reliability there is still a large variance between EPC assessors in terms of input data and calculation tools, as well as a general lack of understanding on predicted and real energy performance.

The EPC RECAST toolbox aims to tackle both issues by providing innovative on-site data collection solutions for assessors and through the integration of relevant indicators and useful information as well as renovation roadmaps.



### EPC RECAST objectives

- Supporting the work of assessors to **improve reliability of EPCs** through the use of innovative on-site data collection methods and quality check procedures;
- Developing a full prototype of **cloud system toolbox** for EPC assessors and a new generation of EPCs;
- Co-designing the EPC assessment process with **owners and assessors**: interactive user-centred design approach;
- Improving renovation recommendations in EPCs with **renovation roadmaps** and additional indicators;
- **Supporting public authorities** to check the quality and reliability of EPCs.

### EPC RECAST solutions

- Automated **data collection** and enrichment for EP assessment: on-site scans / public database / data from smart meters;
- Quality procedures, consistency checks, model calibration linked with **ISO/CEN standards** (M/480 mandate);
- Information sharing and **data interoperability**: input/output links between EPCs, digital logbooks, renovation passports;
- Including **information on smart technologies** in EPCs: recommendations for control and monitoring systems based on SRI.