

EPC
RECAST

crossCert

iBRoad2EPC

EUB
SuperHub

4 PROJECTS

QUICK INTRODUCTION & PERSPECTIVES

These projects have received
funding from the European
Union's Horizon 2020 programme.



What is cross testing?

- Assessing an actual building with both the EPC procedure applicable in its country and those from other countries...
- ... and learning in the process
- Easier said than done!



Why cross testing? The multiple roles of EPCs

1

EPCs in the real estate transactions

- “Accuracy” – Performance Gap
- Accessibility – Human centric

2

EPCs for better living

- Recommendations for energy efficiency
- Indoor comfort (temp, air quality etc), smartness

3

EPCs for policy making

- National level - Database quality and access at national level
- EU level - Homogeneity across countries

4

EPCs for bringing together actions and actors (EPC as “the” linchpin)

- Building renovation passports
- Building logbooks
- One-stop shops





EPC RECAST supporting the EPBD RECAST

- ✓ **Article 4.** Methodology for calculating the EP
 - **Computing cores for dynamic EP calculation**
 - **Model calibration and operational rating**



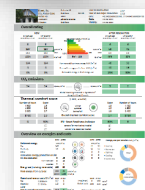
- ✓ **Article 9.** Trajectories for progressive renovation
- ✓ **Article 12.** Renovation passport
 - **Quick renovation roadmap tool**



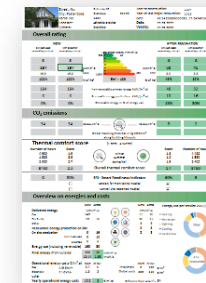
- ✓ **Article 16.** Data exchange
 - **Common data environment**



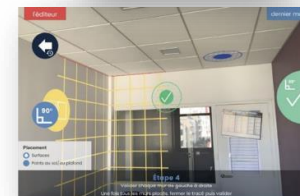
- ✓ **Article 17.** Financial incentives
 - **KPIs before and after renovation on the EPC**



- ✓ **Article 19.** EPCs
 - **EPBD RECAST compliant template**
 - **Digital tool for on-site visits**



- ✓ **Article 20.** Issue of EPCs
 - **Simulation data model and report**



- ✓ **Article 22.** Databases for the EP
 - **Common data model of the building**



EUB SuperHub in a nutshell



Selected, filtered KPIs plus qualified experts to use building Key Performance Indicators according to EU norms (EN ISO) developed the **EUB SuperHub CEN Workshop Agreement** to assess and certify buildings by skilled professionals (exploiting the [TRAIN4SUSTAIN project CWA 17939-2022](#)).

KPIs meeting with EPBD 2024 provisions for applications that also go beyond building **energy performance** with a **life-cycle approach** (GWP), quality of life for occupants (**IAQ**), climate and **future proof indicators** (SRI, resilience).

Store and manage geo-referenced EPCs on a platform that further supply building information with a support of a **Digital Building Logbook**, boosted with the project specific KPIs and the EUB Passport, as annex in a One-Stop Shop.

A set of 21 KPIs need upskilled assessors and trained to use the necessary - online – tools as well, that to be also tested on **100+ case study buildings across 7 EU Member States on different European climates**.

Social acceptance studies constituted (i) **Mapping of stakeholder and understanding of the needs of market actors** with respect to EPC certificates and assessment schemes, (ii) Principles, guidelines for public engagement and education



Market positioning of iBRoad2EPC / Database structure

