

crossCert

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Next-generation of Energy Performance
Assessment and Certification



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 101033778

RoundBaltic Learning Event

Karolina Junak (KAPE) Kaj Leonhart Petersen (EC Network)

23 June 2022



crossCert - Overview



- Title: **Cross Assessment of Energy Certificates in Europe**
- Call/Topic: Next-generation of Energy Performance Assessment and Certification (**H2020-LC-SC3-EE-2020-2**)
- Type of action: **Coordination and support action**
- Duration: **1st Sept. 2021 - 31st Ago. 2024 (36 months)**
- Grant Agreement Number: **101033778**
- Estimated Project Cost/EU Contribution: **€ 1,997,557.50**

Coordinator

PROJECT PARTNERS



Map generated with Showeet.com

crossCert - Overview

- Polish Partner:



- Danish Partners:



Objectives



Cross-assessment of current and next EPCs on 140 buildings, to develop:

1. **Benchmark repository** of curated building data, certificate results and, where available, measured performance results of buildings.
2. **Technical guidelines** for the next generation of EPCs (to reduce the performance gap, to implement the new KPIs, to present the renovation measures to the building owner and to verify and control the EPC quality)
3. Guidelines and tools for the **exploitation** of EPC data
4. Guidelines for the design of **people-centred EPCs**, for a better user experience, better training and education of certified EPC issuers and to market new EPCs
5. Recommendations for the **harmonisation of next generation EPCs**, based on the cross-testing and assessment of the current and new EPC approaches.
6. Web-based EPC **knowledge exchange centre**
7. Creating of an EPC **community forum**

Three testing rounds

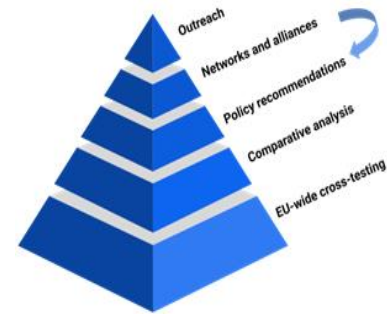


Exchange of knowledge among European stakeholders on existing and new EPCs - including

- A wide cross-certification exercise among 10 European countries
- 140 buildings in total is being tested representing the most common typologies

Three rounds of cross-assessments are foreseen:

- The **first**, one with existing EPC procedures: **Each team in each country** will use their existing EPC procedures to assess buildings in other countries (accuracy, gaps, robustness etc.)
- The **second and third** rounds will use the EPC procedures available from recent initiatives: QualDeEPC, U-CERT, **X-tendo**, ePANACEA, E-DYCE, D²EPC and EPC-RECAST.



Some expected outcomes – of relevance for energy efficiency financing:



- Adapting EPCs to user and investor needs:
 - ✓ Overview of **steps and requirements** necessary to develop a digital version of energy certificates adapted for end-users,
 - ✓ Increase the value of EPCs for potential investors – set a **dialogue with stakeholders** in order to know the information needed to decide on a potential investment,
 - ✓ **Standardized guidelines** and instructions on how to implement data necessary for the investors in the next generation EPCs.
 - ✓ Analysis and evaluation of possibilities of connecting next-generation EPCs with energy audits, logbooks and **building renovation passports** (BRPs),
 - ✓ recommendations and guidelines to integrate those possibilities to promote building energy renovation, which could be used in one-stop-shops.

Current testing in Round 1 – involving Denmark and Poland



- DK is testing 4 Polish buildings and 3 Croatian buildings (In the Danish national software)
- Poland is testing 5 Danish buildings, 3 UK buildings and 1 Austrian building
- Croatia is testing 2 Danish buildings.
- UK and Austria is testing 1 Polish building each.

Results:

**Results available
July – Sept 2022**

1. The EPC for the building
2. Result Report (including EE measures recommended)
3. A short report comparing the experience in generating the EPCs in both countries

Current testing in Round 1



- Draft Results ?
- Challenges ?

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Read more:

<https://www.crosscert.eu/>

<https://www.crosscert.eu/standard-titel/deliverables>

Download: D2.4 - EPC Cross-testing
Procedure

April 27, 2022



crossCert_D2.4_EPC_
testing_procedure_v2-
7_delivered_.pdf

2 MB

Thank you!



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	ES		Universidad Zaragoza		EREN		Junta de Castilla y León
	UK		HERIOT WATT UNIVERSITY		BG		EnEffect
	SI		IRI UL Institute for Innovation and Development at the University of Ljubljana		MT		MIEMA MALTA ENERGY REGULATORY AUTHORITY
	GR		ΚΑΠΕ CRES		DK		EC Network
	HR		REG EA		AT		AUSTRIAN ENERGY AGENCY
	PL		KAPE		DE		Climate Alliance



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- Polish Partner:



- Danish Partners:



Objectives

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6. Web-based EPC **knowledge exchange centre**
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Three testing rounds

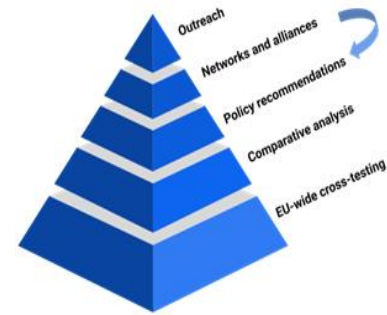


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 - ✓ Increase the value of EPCs for potential investors – set a **dialogue with stakeholders** in order to know the information needed to decide on a potential investment
 - ✓ **Standardized guidelines** and instructions on how to implement data necessary for the investors in the next generation EPCs
 - ✓ Analysis and evaluation of possibilities of connecting next-generation EPCs with energy audits, logbooks and **building renovation passports** (BRPs)
 - ✓ Recommendations and guidelines to integrate these options in one-stop-shop structures motivating and assisting building owner in planning and implementing EE measures

Current testing in Round 1

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- Poland is testing 5 Danish buildings, 3 UK buildings and 1 Austrian building
- Croatia is testing 2 Danish buildings. UK and Austria is testing 1 Polish building each.

Results:

1. The EPC for the building in the country
2. The Country Neutral Result Report (EE measures recommended)
3. A short report by the visiting partner comparing the experience in generating the EPCs in both countries
4. A comparison of the results of the robustness

**Results available
July – Sept 2022**

Testowanie w fazie 1:

- W tej chwili trwa wprowadzanie danych pierwszego budynku, zarówno w Danii, jak i Polsce
- Główne wyzwania:
 - Różnica w oprogramowaniu
 - Metody wprowadzania danych
 - Dokumentacja rysunkowa
 - Dane klimatyczne
 - Czas

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