crossCert
Next-generation of Energy Performance Assessment and Certification

crossCert project

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Workshop: Designing the perfect EPC

20th March 2024

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

What is crossCert?

- Horizon 2020 Coordination and Support Action
- 11 European countries, 12 partners
- **Goal**: to guide and test development of Energy Performance Certificates (EPCs) in Europe
- 3 M€ budget
- 3 years (Sep 2021 - Aug 2024)
- www.crosscert.eu

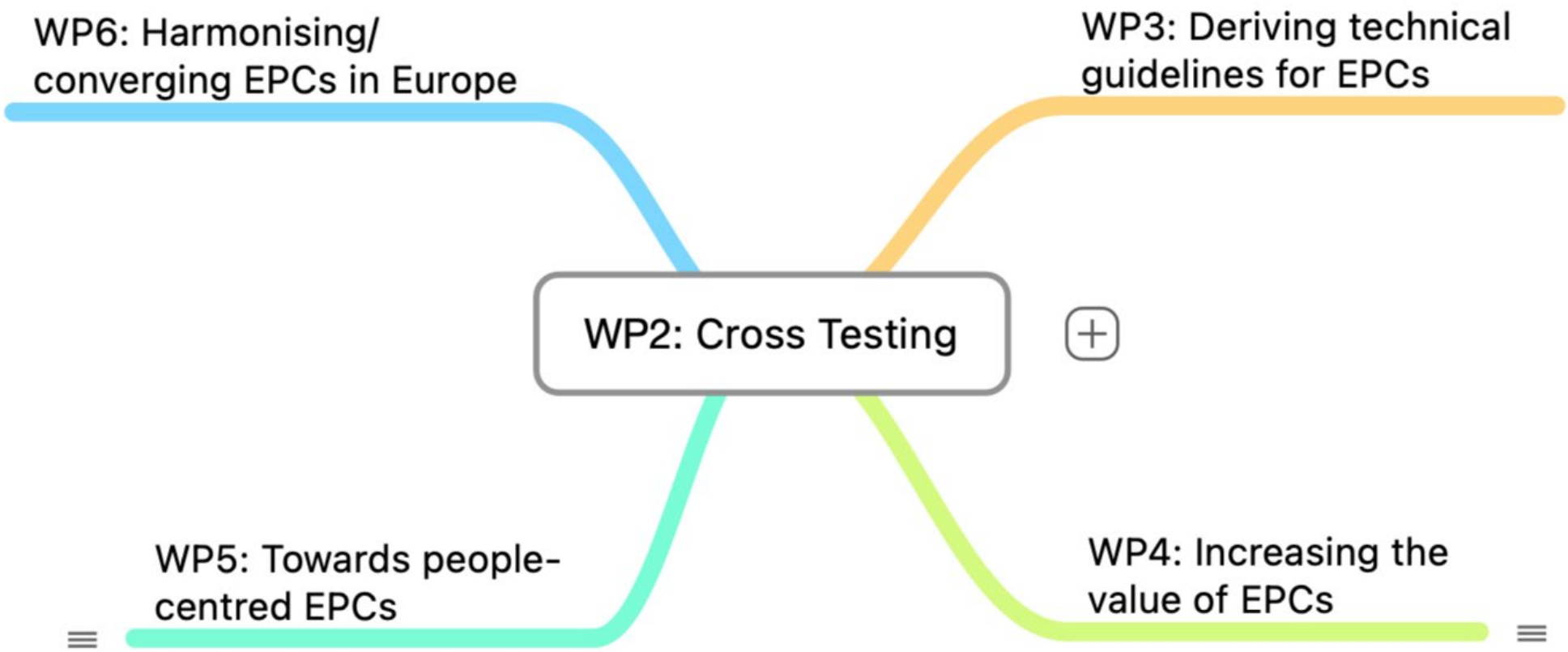
What is crossCert?

- **Testing different methods** of energy assessment across different countries
- Guiding the path towards **next-generation EPCs**
- Creating **user-centric EPCs**
- **Investigating the need for EPC harmonisation** across countries
- **Creating a repository** and knowledge exchange centre of building data and information

ES	Universidad de Zaragoza (UZ)
UK	Heriot Watt University (HWU)
SI	Institute for Innovation and Development of University of Ljubljana (IRI UL)
EL	Centre for Renewable Energy Sources and Saving (CRES)
HR	North West Croatia Regional Energy Agency (REGEA)
PL	Polish National Energy Conservation Agency (KAPE)
BG	Center for Energy Efficiency - EnEffect Foundation (ENEFFECT)
MT	Malta Intelligent Energy Management Agency (MIEMA)
ES	Ente Regional de la Energía de Castilla y León (EREN)
DK	Energy Consulting Network AS (ECNET)
AT	Austrian Energy Agency (AEA)
DE	Climate Alliance (CA)

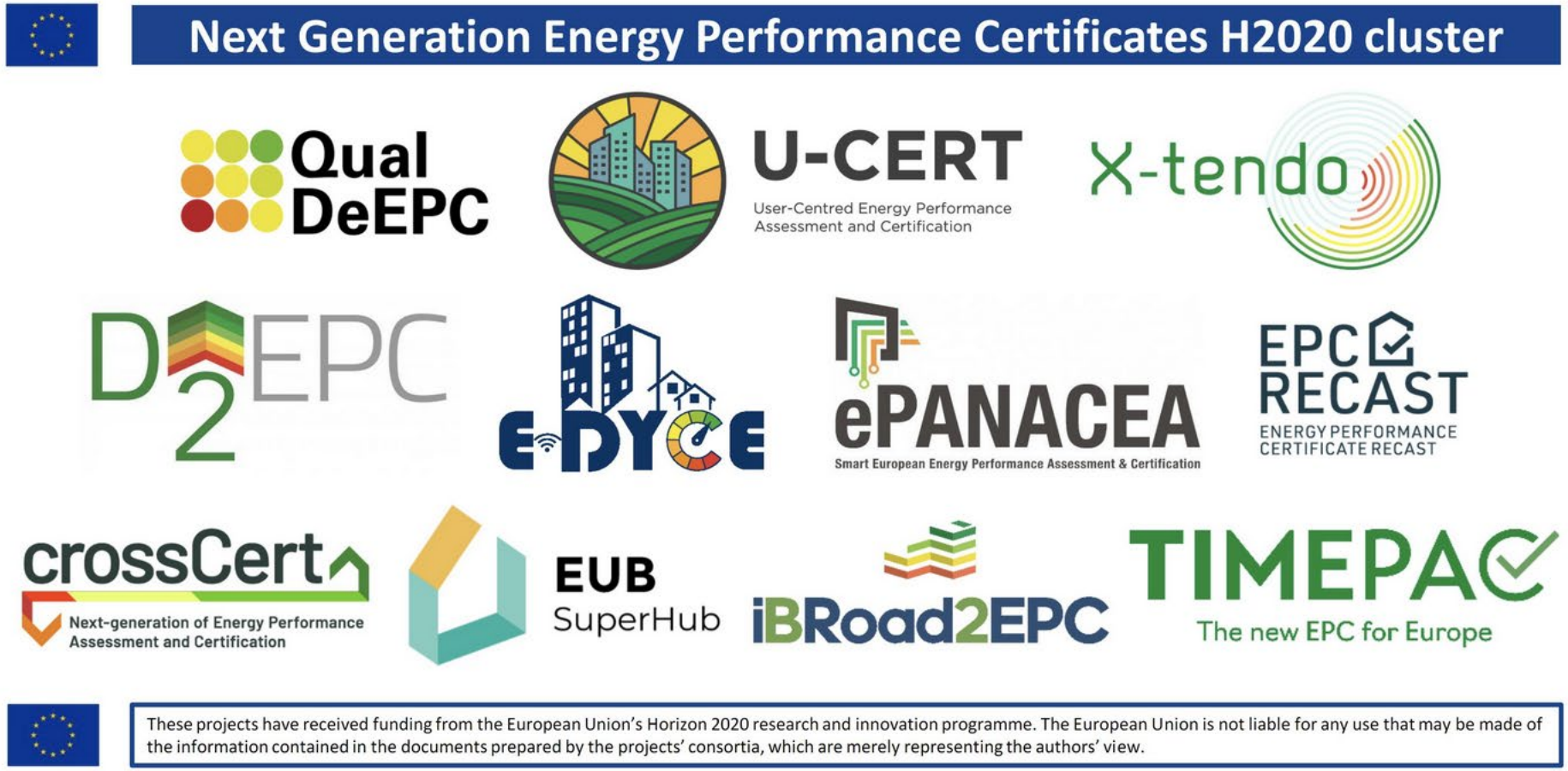
What can be improved in EPCs in Europe?

The crossCert project



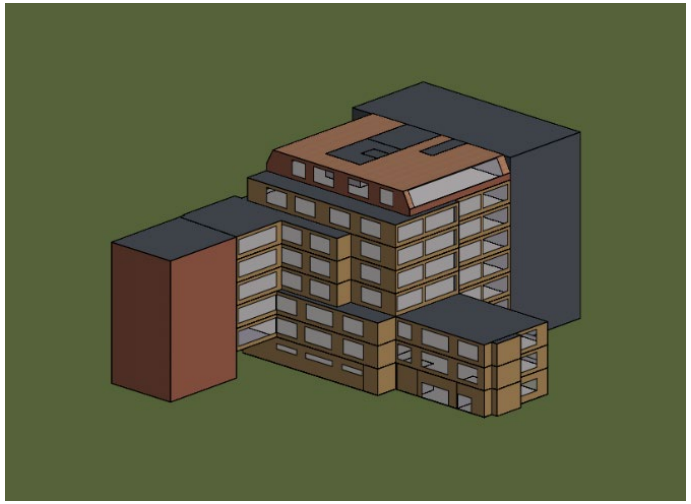
An active area...

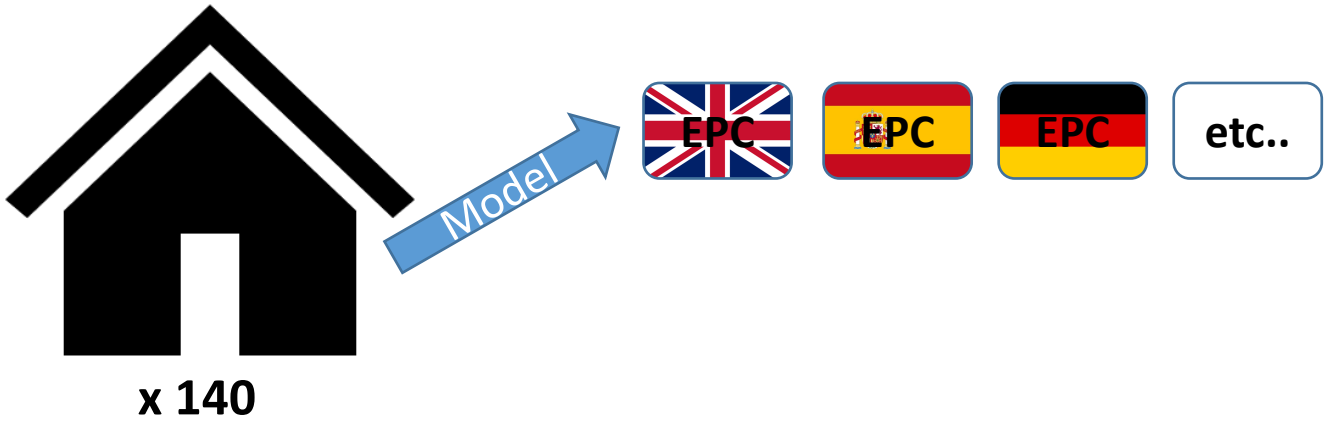
- ‘Sister’ EU-funded projects working on EPC’s



crossCert so far

- **“Cross-tested” sample buildings**
  - Applying current EPC methodologies to buildings across Europe
  - Comparing these to more detailed forms of modelling and real energy consumption
  - Tested “next generation” methods against these sample buildings



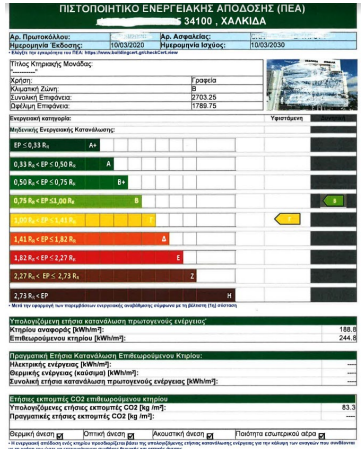


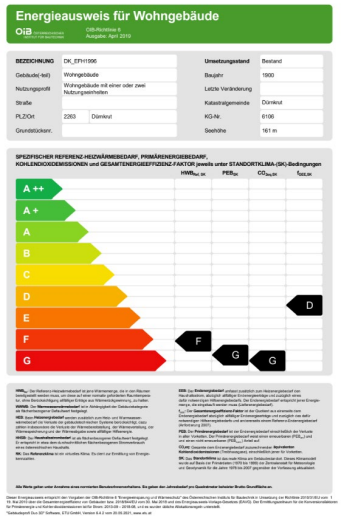
crossCert so far

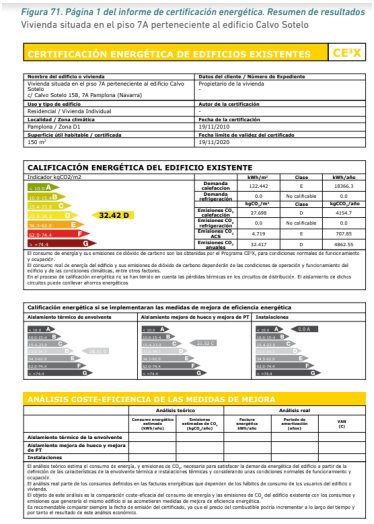
- **Identifying who uses EPCs and why**
  - Many different user groups with different needs
  - Range of opinions on what EPCs should be for and what needs improving
  - User survey already conducted – linked to this workshop

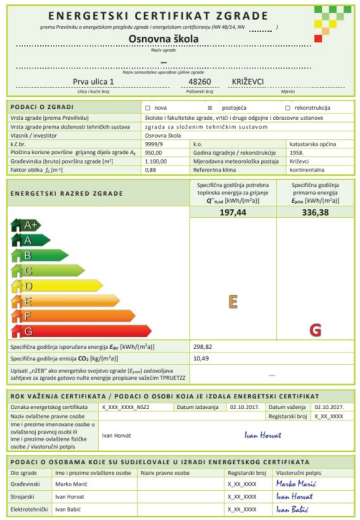
crossCert so far

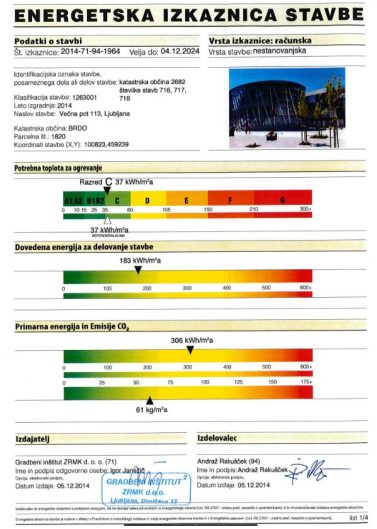
- **Investigating barriers to harmonisation of EPCs across Europe**
  - Should Europe have one form of harmonised EPC?
  - Do different countries have different needs, or should EPCs allow for comparison across countries?

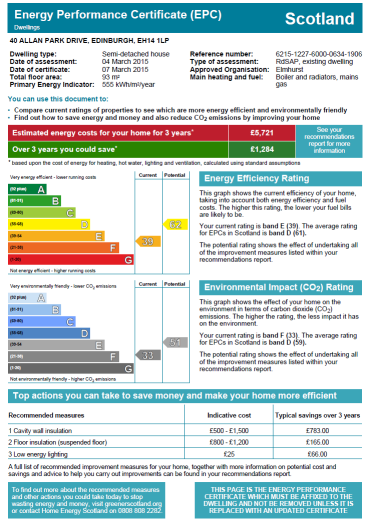












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Workshop: Designing the perfect EPC

Activity description

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Designing a useful EPC

- **What information should an EPC provide?**
- Key outputs (simple vs comprehensive)
- Detail of recommendations (tailored vs standardised)
- How is output generated (modelled vs measured energy use)

- **How should that information be presented?**
- Interactive or static
- Forms of presentation (graphs, tables, text etc)
- Length of document

Choose as a group

		Options			
	Category/Feature	**1**	**2**	**3**	**4**
Information	**A. Choice of outputs**	EPC rating and related info (i.e. as required by EPBD)	EPC rating + information available from current assessment	EPC rating + new metrics requiring extra data collection from new	
	B. Improvement recommendations	Part of document in summarised/standardised form	Part of document, specific to the property (e.g. created by assessor)	Not Part of main document and summarised/standardised elsewhere	Not part of main document, specific to the property (e.g. created by assessor)
	C. Basis of output data	Only modelled estimates	Only measured estimates	Combination	
Aesthetics	**D. General format**	Online, interactive interface	Paper/PDF	Combination	
	E. Output format (primary form of information)	Graphical	Tabular	Textual	Combination
	F. Overall length of document(s)	1 page	Multiple page, single document	Multiple documents	

- All options will have an example from a current or proposed future EPC in the provided document

Breakout groups

- Allocated to groups based on type of “users”
- Facilitator will be present to take all notes and help structure discussion
- Be democratic with final choice
    - Disagreements will be noted
- All opinions are anonymous
    - Breakout sessions are not recorded but discussion will be reflected in facilitator notes
- Stay on time (~12mins per “feature”)
- Facilitator will report back in next session