



U-CERT

User-Centred Energy Performance
Assessment and Certification



CONCERTED ACTION
ENERGY PERFORMANCE
OF BUILDINGS

H2020 U-CERT Project

CA EBPD V 4th Plenary meeting
Exploring the next generation EPCs

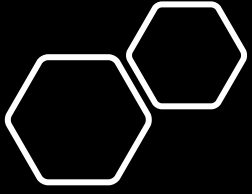
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U-CERT Project Coordinator



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 820497.



INGENIEURS & ADVISEURS



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INGENIEURS & ADVISEURS



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U-CERT: Towards a new generation of user-centred Energy Performance Assessment and Certification; facilitated and empowered by the EPB Center

TNO



Atecyr

**comfort
consulting**



EnEffect



HUYGEN
INGENIEURS & ADVISEURS



ISSO



REHVA
Federation of
European Heating,
Ventilation and
Air Conditioning
Associations

**TAL
TECH**

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U-CERT KEY OBJECTIVES

- Introduce a next generation of **user-centred Energy Performance Assessment and Certification Scheme** to value buildings in a holistic and cost-effective manner.
- Facilitate convergence of quality and reliability, using the **EPB standards** developed under the **M/480 mandate**, presenting the national and regional choices on a comparable basis
- Encourage the development and application of holistic user-centred innovative solutions, including the **Smart Readiness of Buildings (SRI)**
- **Encourage and support end-users** in decision making (e.g. on deep renovation), nudge for better purchasing and instil trust by making visible added (building) value, using EPC's
- **Strengthening actual implementation of the EPBD** by providing and applying insights from the perspective of all involved stakeholders, facilitated and empowered by the **EPB Center**.



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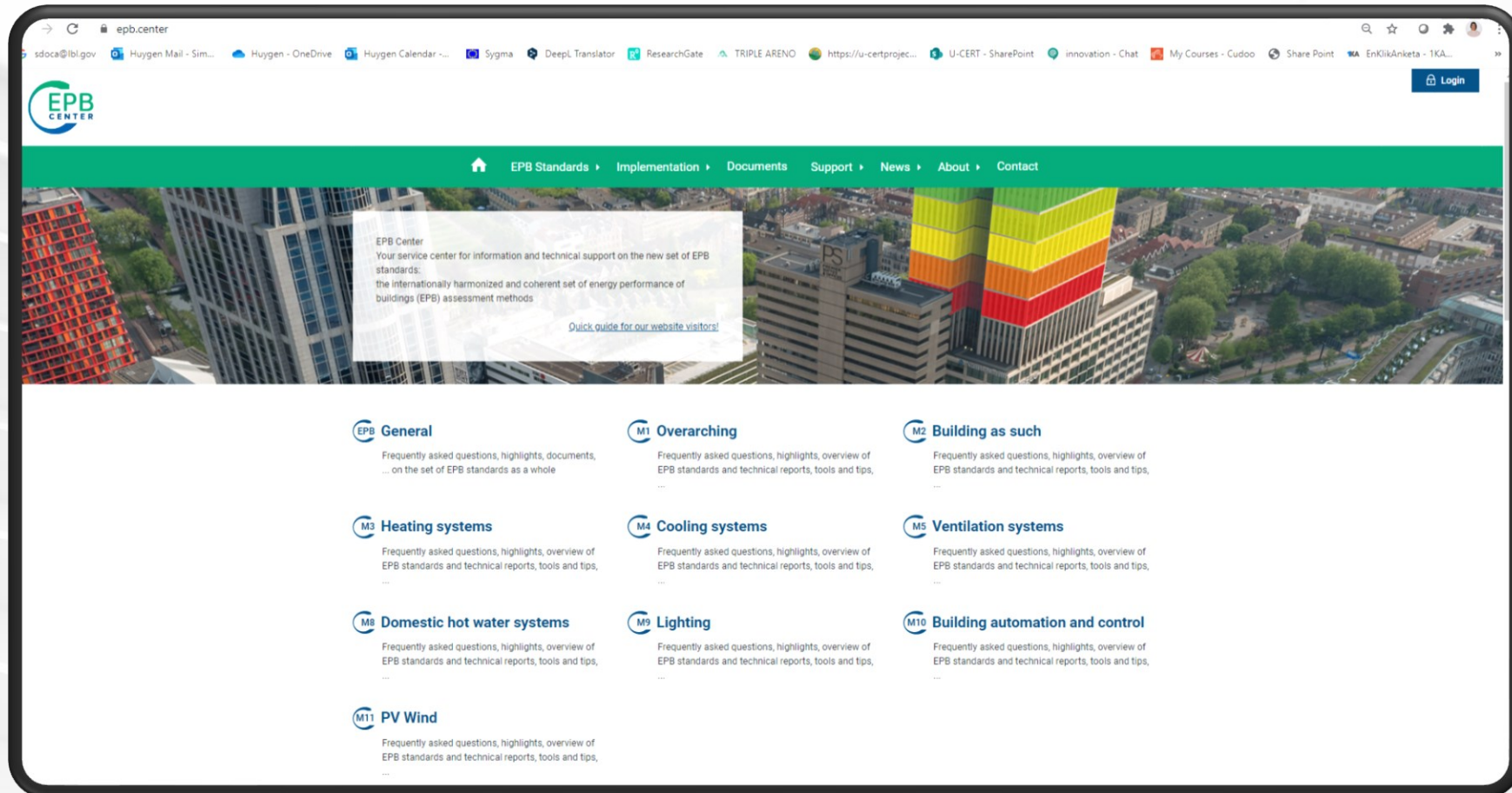
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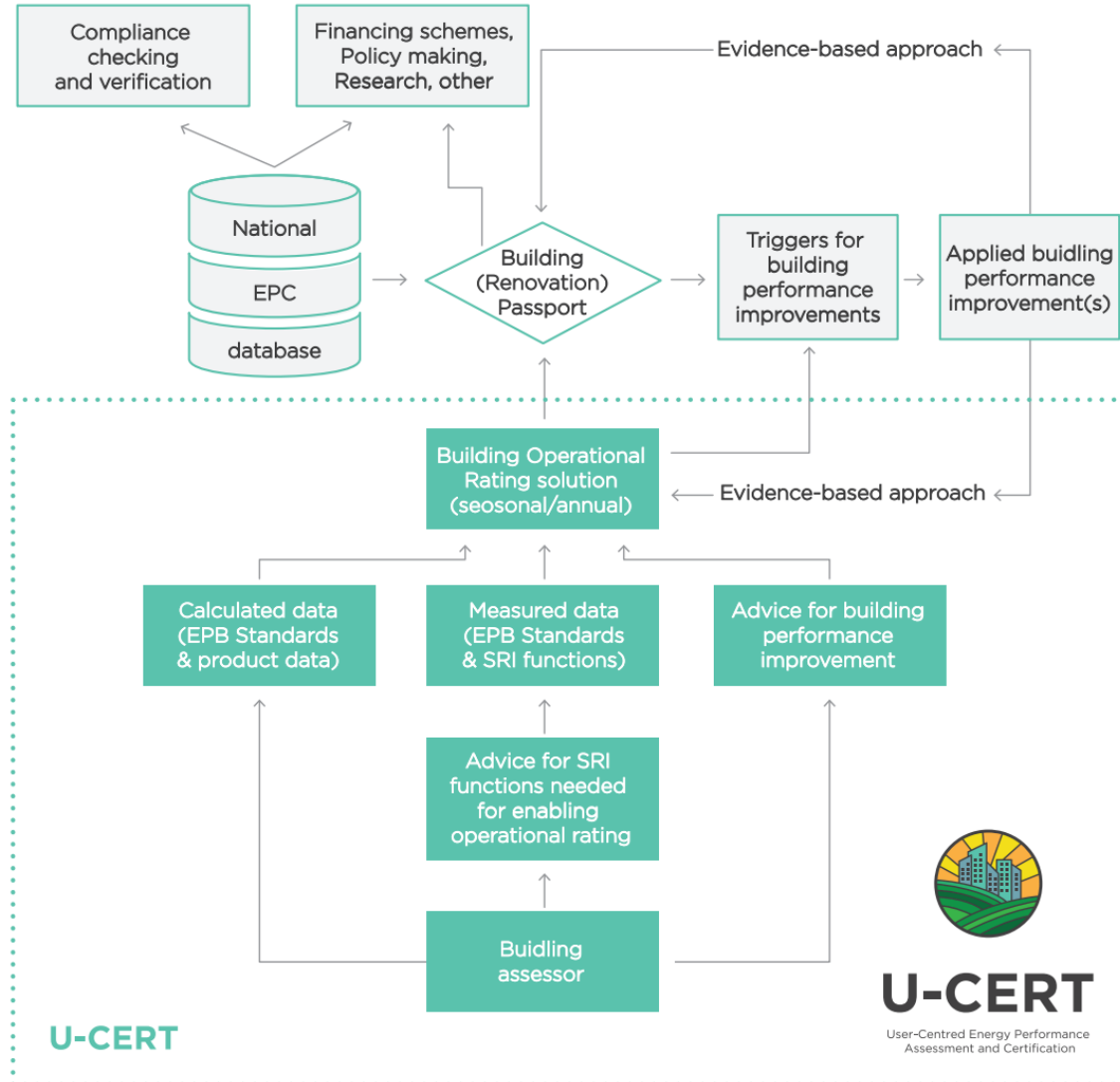
U-CERT SERVICES EXTENSION AND ACCELERATION

The infrastructure of the EPB Center as independent platform by:

- Implementation of services and a shared open EPB Center Platform via secure API
- Sustaining content of existing and new tooling through harmonised data exchange



U-CERT OPERATIONAL RATING TOOL DEVELOPMENT



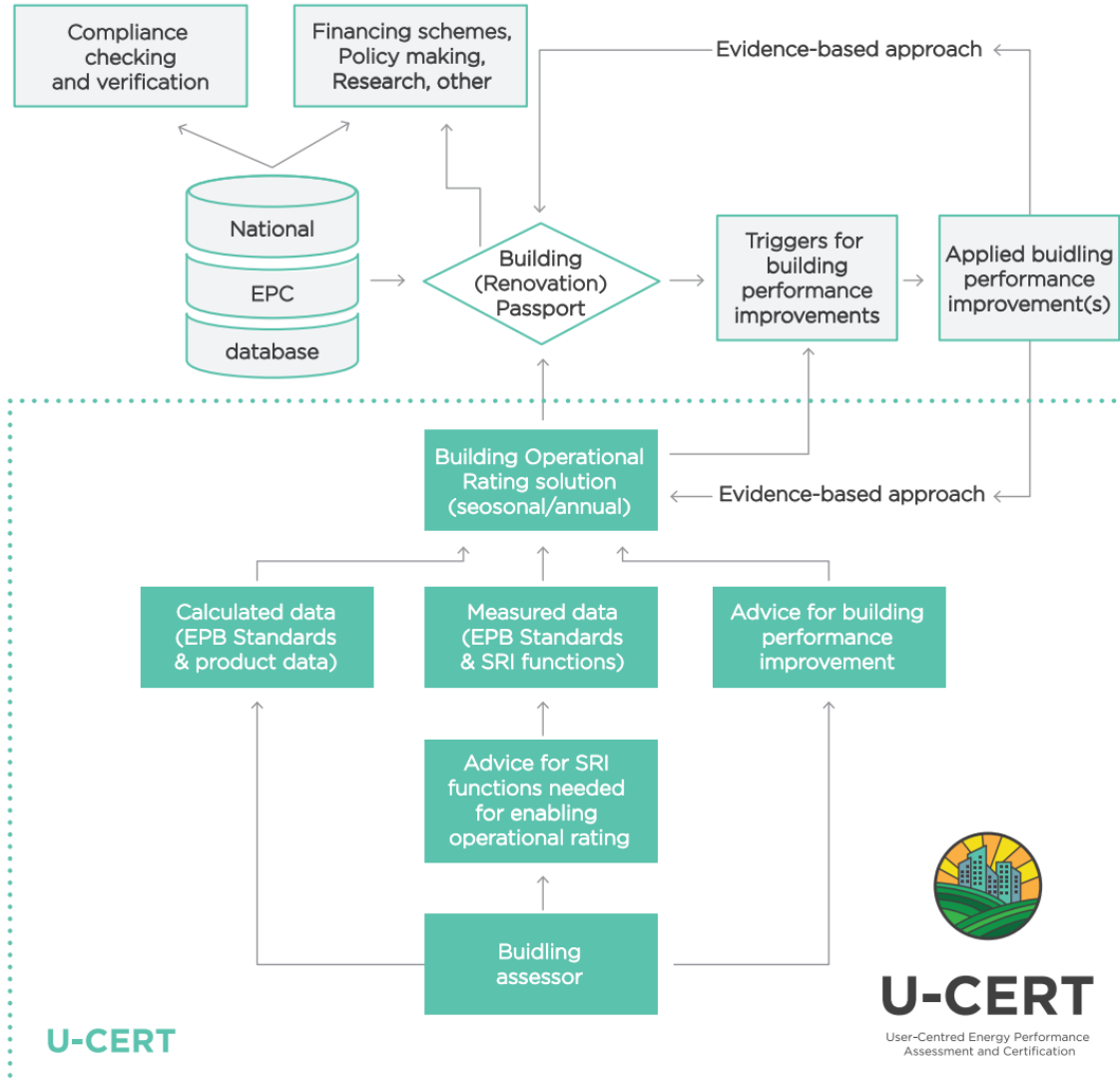
- Evidence based decision-making process
- Calculated and measured data in EPB-calculations
- Smart Readiness Indicators (SRI)
- Cloud-based service
- National EPC database
- Building Renovation Roadmap/Passport
- B-LOG (digital building logbook)



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U-CERT OPERATIONAL RATING TOOL TARGETING



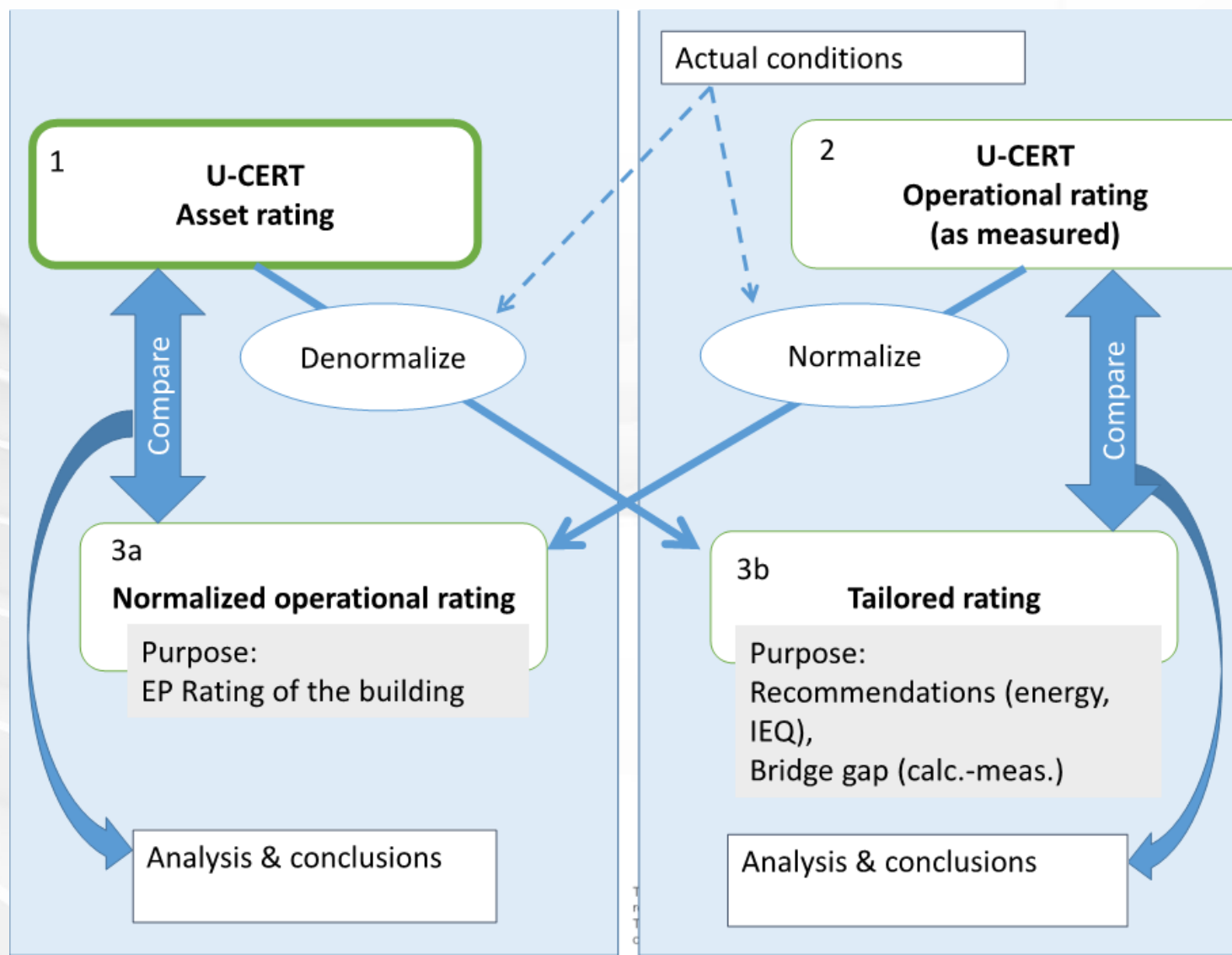
- National authorities
- Researchers
- Building owners and tenants
- Building professionals
- Financial institutions



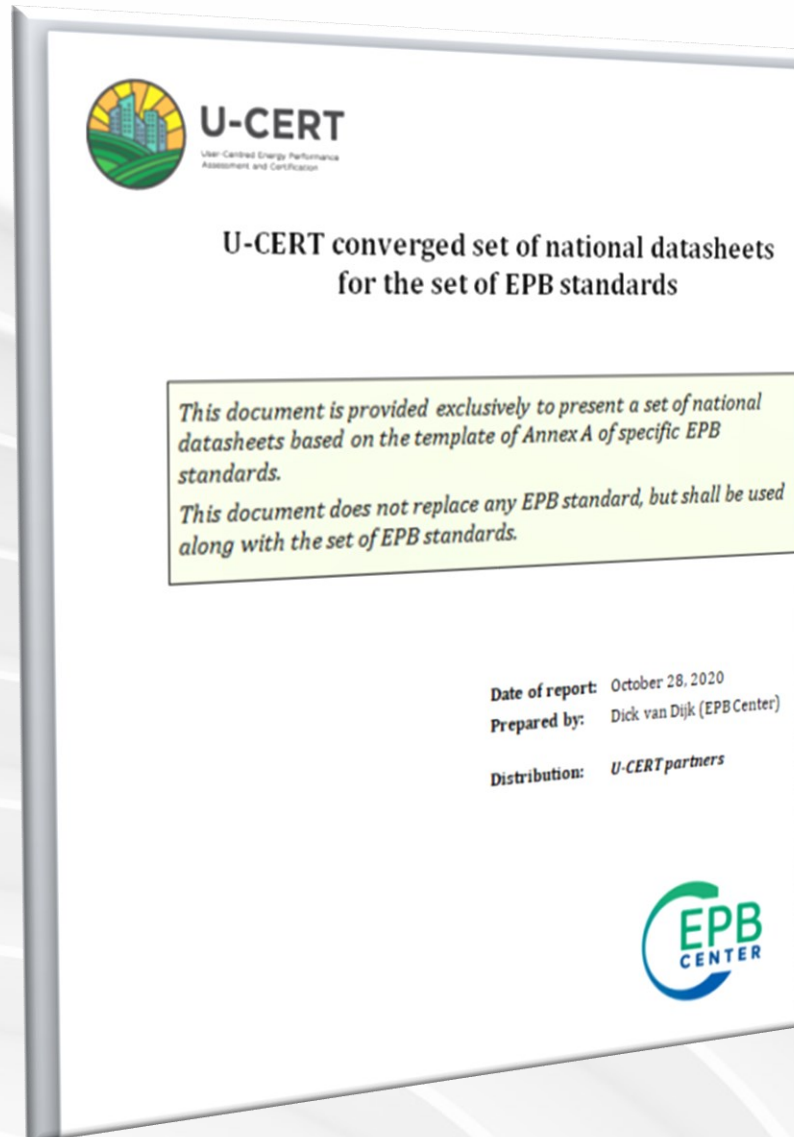
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U-CERT LINK BETWEEN CALCULATED AND MEASURED ENERGY PERFORMANCE RATING



TOWARDS U-CERT NATIONAL DATASHEETS



Draft report in preparation:

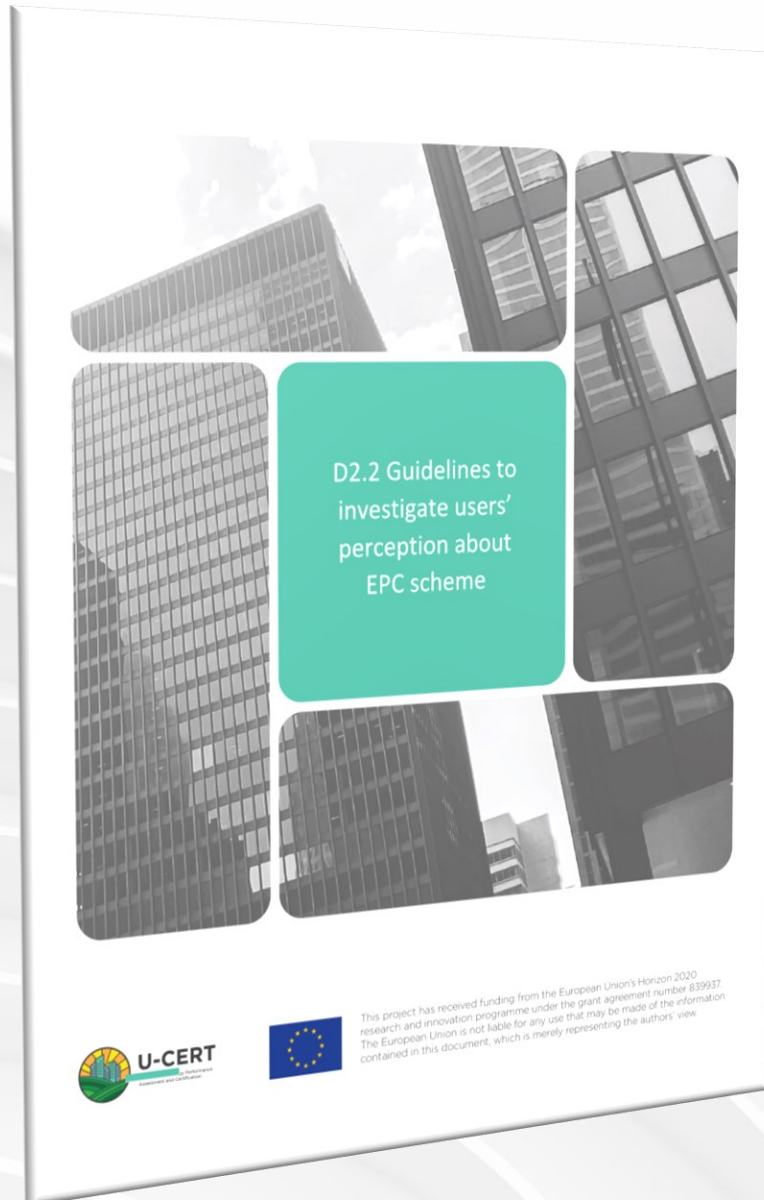
- **Short Introduction**
 - Including most relevant sources of information
- **The set of EPB standards in a nutshell**
 - Mainly using pictures from presentations (e.g. webinars)
- **Overview of all (now 61) EPB standards**
 - Categorized, as basis for selection



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U-CERT SERVICES END-USERS NEEDS



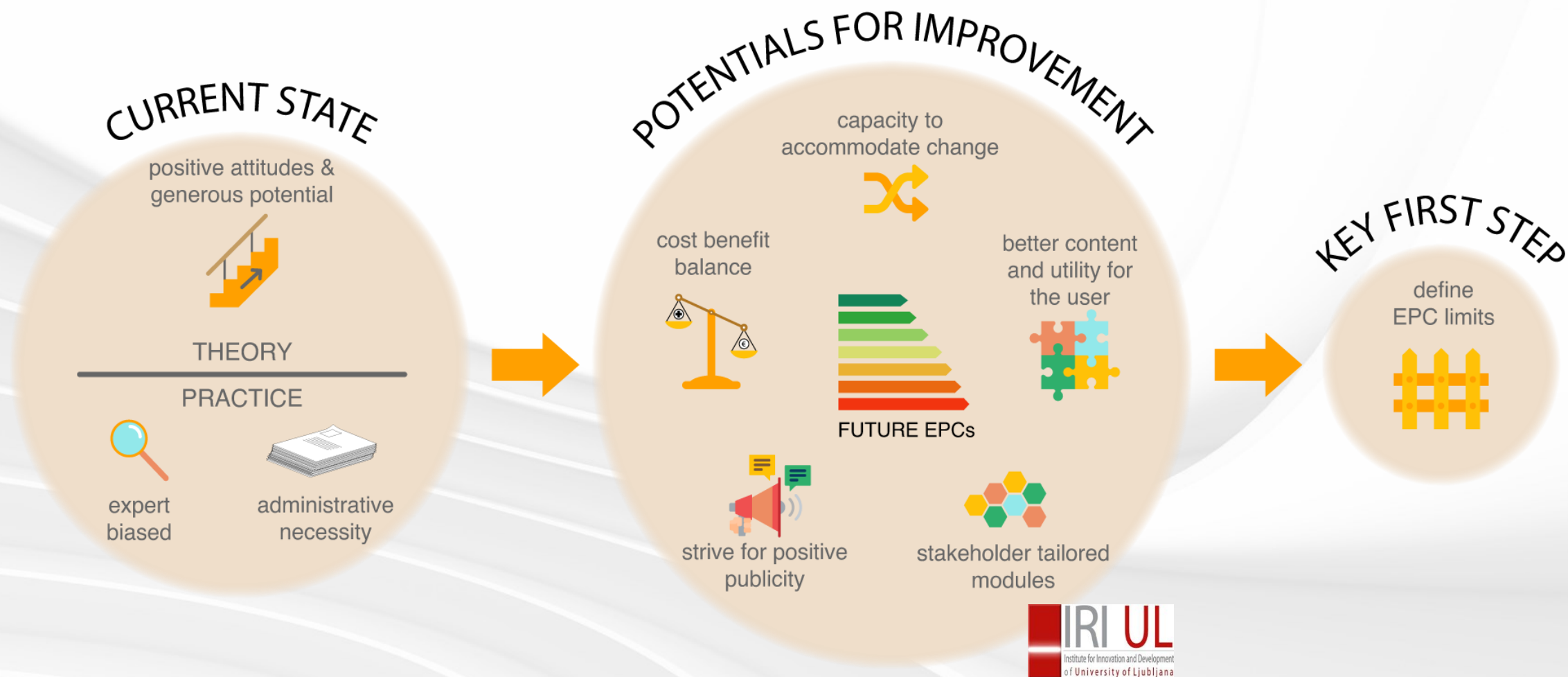
- **Identification and categorization of end-users and customers;**
 - First at the level of partner countries, later on a broader scale;
 - Collecting user-needs and expectations;
 - Defining functionalities for tooling.
- **Outcome:**
 - Catalogue (report) of user and beneficiary profiles for tool development



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EPC LIMITS: KEY RECOMMENDATIONS

- The **scope of interpretation** of the purpose of EPC products and services is wide.
- With evolving policies, technologies, and knowledge in the construction and buildings sector, **capacity to accommodate change** is becoming an increasingly important quality.
- Enable the **capacity to meaningfully integrate with related concepts**, such as BIM models, Building passport, digital twin, digital building logbook, etc.
- Developers and implementers of future EPCs should strive for **positive publicity** and invest in **strategies to raise general awareness** about energy performance of buildings and the specific role of EPCs in this context.
- This includes aspects of **knowledge transfer, educational contents, promotion and marketing**, all affecting the general public attitudes and opinions regarding the EPC products and services and the underlying policies



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U-CERT DISSEMINATION OF RESULTS

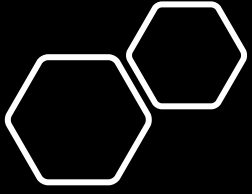
Cluster Projects

WEBINAR CATALYSING THE EU RENOVATION WAVE IN THE TRANSITION TO THE NEXT- GENERATION ENERGY PERFORMANCE CERTIFICATES



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WANT TO KNOW MORE?

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<https://u-certproject.eu/>



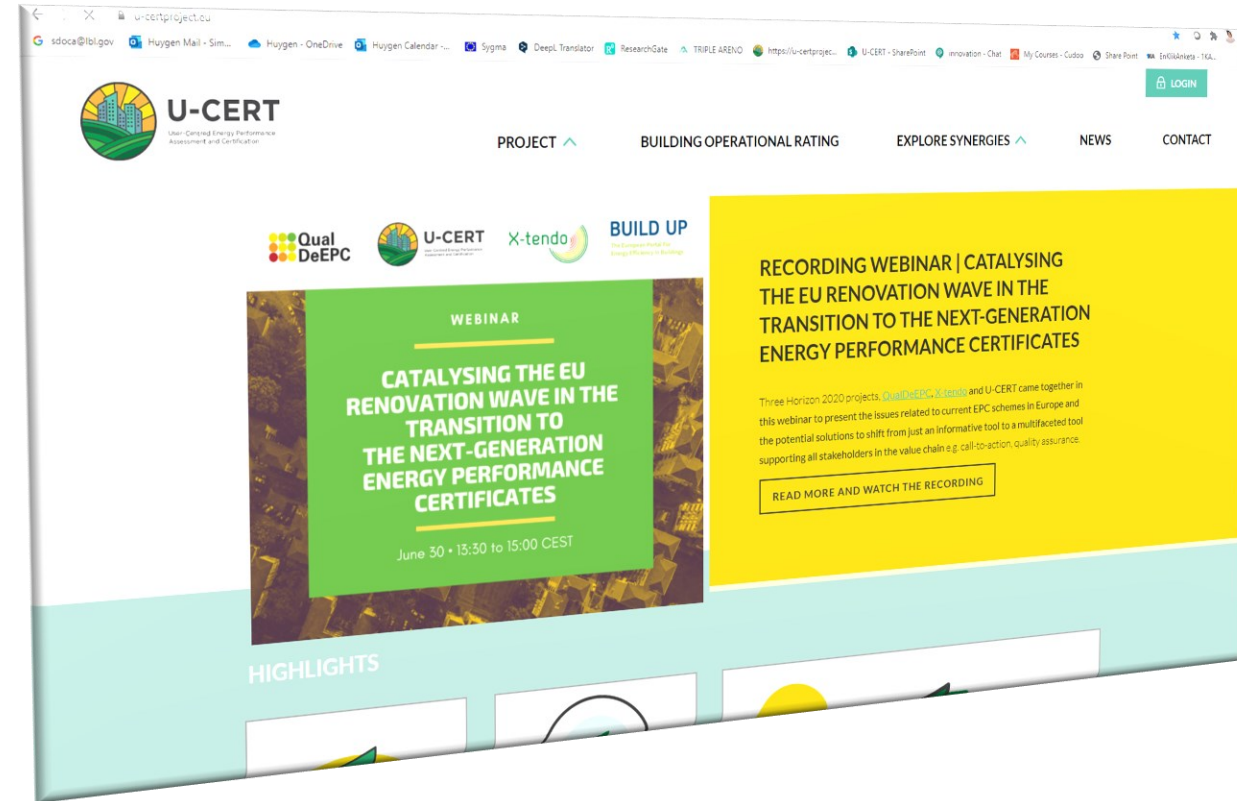
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THANK YOU
FOR YOUR ATTENTION



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