



QualDeEPC and its Sister Projects

Energy Performance Assessment and Certification Projects
funded by the H2020 Energy Efficiency Calls 2018 – 2020

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3 consecutive Calls for proposals

LC-SC3-EE-5-2018 => 3 CSA projects

- X-tendo (845958)
- QualDeEPC (847100)
- U-Cert (839937)

LC-SC3-EE-5-2019 => 4 IA projects

- D²EPC (892984)
- E-DYCE (893945)
- ePANACEA (892421)
- EPC RECAST (893118)

LC-SC3-B4E-4-2020 => 4 CSA projects likely to be funded

Some preliminary statistics

- 7 projects funded so far, covering:
 - 23 EU Member States
 - CH
 - UK
- Involving 78 unique beneficiaries on a total of 84 beneficiaries

LC-SC3-EE-5-2018 – CSA

X-tendo (845958)

- X-tendo toolbox, knowledge hub with 10 innovative EPC features:
 - new technical features used within EPC assessment processes, enabling inclusion of new indicators (Smart Readiness, Comfort, Outdoor Air Pollution, Real Energy Consumption, District Energy)
 - innovative approaches to handle and maximize value of EPC data (EPC Databases, Building Logbook, Tailored Recommendations, Financing Options, One-stop-shops)
- Project website: <https://x-tendo.eu/>

QualDeEPC (847100)

- Improve practical implementation of EPCs as well as renovation recommendations. Develop a guidebook and tools for an enhanced and converging EPC assessment and certification scheme, Deep Renovation Network Platforms as one stop shops, roadmap for convergence of EPCs
- Project website: <https://qualdeepc.eu/>

U-Cert (839937)

- New EPC scheme based on CEN standards
- Develop added value indicators for asset rating, operational rating and smart readiness
- Training and certification of the assessors
- Project website: <https://u-certproject.eu/>

LC-SC3-EE-5-2019 – Innovation Action

D²EPC (892984)

- Clear focus on digitalization, large-scale data collection, development of digital twins and SRI indicators
- Calculation of a novel set of energy, environmental, financial and human comfort/wellbeing indicators
- Digital platform for issuing and updating EPCs, integrating GIS and user-centred recommendations, benchmarking/forecasting of buildings' performance and performance verification services
- Includes standardisation/certification bodies and a member of the CA EPBD as partners
- Project website: <https://www.d2epc.eu/en>

E-DYCE (893945)

- Develops a dynamic certification of buildings, following real time optimization of energy consumption and comfort and looks at renovation roadmaps
- Combines smart technologies, with low-tech solutions and the free running potential of buildings for EPC labelling
 - historical buildings
 - buildings in the Mediterranean that rely on natural ventilation
- Strong focus on end-user behavioral change: tenants and building operators get feedback on building performance, and get recommendations to adapt their behavior to increase the energy performance of their living spaces
- Project website: <https://edyce.eu/>

EPC RECAST (893118)

- New generation of EPCs, focusing on existing residential buildings, combined with renovation roadmaps
- Specific attention is paid to end-users and building owners' involvement for the development of the cloud based platform, as well as to the needs of the EPC assessors
- Specific attention is paid to comfort levels and personalized instructions on renovation options and related costs

ePANACEA (892421)

- “Smart Energy Performance Assessment Platform” (SEPAP) with 3 modules:
 - a smart and data driven energy performance tool using inverse modelling and operational data
 - a simplified monthly based calculation aligned to ISO52016
 - an advanced hourly simulation model aligned to ISO52017
- “Decision Matrix” to assist end-users to select the appropriate module(s) for their use
- 5 Regional Exploitation Boards covering EU27 + UK + NO
- Project website: <https://epanacea.eu/>

LC-SC3-B4E-4-2020 - CSA

- 4 projects likely to be funded
- Complementary to the current projects
- What to expect:
 - Large scale comparison of EPC methodologies
 - Linking EPCs to building renovation passports and building logbooks
 - Electronic building passports
 - EPCs looking at the whole building lifetime



Thank You

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