EUB SuperHub
Major achievments and the EPBD
Final event

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EC call and EPC challenges

- Reliable and Good quality processes and certificates
- Comply with EU legislation and standards to instil trust
- User friendly and transparent
- Incite investments
- Smart dimensions of buildings

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Project specific objectives

EuB SuperHub addresses	To deliver
Ensure technology neutral approach	**Enhanced EPCs with** assessments and certifications system
EuB SuperHub addresses	To deliver
Find the most helpful indicators (SRIs) to calculations and building assessments	**21 KPIs, the "key" and "Common" dimensions of buildings that trigger investments**
EuB SuperHub addresses	To deliver
Value buildings in a holistic and cost-effective manner	**Methodology and technology for heterogeneous data integration** into a **digital logbook for building and OSS**
EuB SuperHub addresses	To deliver
Certificates linked to national/regional certification schemes	**EUB e-passports through a digital a one-stop shop platform**
EuB SuperHub addresses	To deliver
Applicability of assessment and the certification schemes	**Well-targeted cases of 114 buildings in 7 EU Member States**

Project impact and legacy

Increased convergence of good quality and reliable energy performance assessment and certification and uptake and compliance with EU Directives and related standards;

Increased rate of application and compliance of EPCs and independent control systems with the provisions of EU and national legislation, in a defined region;

Increased use of EPC databases for compliance checking and verification, linking with financing schemes and building stock characteristics research etc.;

Increase convergence of training requirements and certification procedures for experts working on EPCs.

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EPBD implementation guidance inputs

Design + Use of EPB database				**EUB SuperHub**	
Aspect	Provision	Input Projects	Long-term vision	2 sentence input	Reference(s)
Design of national databases	22,1	Good practices + examples; technological aspects; key parameters; interoperability and compatibility; integration with other databases and with data from SRI/ inspection H&C, RPs and other data.		OWL to be deployed in design and implement DBs, applications to connect mass of (buildings, products etc.) data and at scale.	
Use of national databases	22	Good practices + examples, also regarding use cases		APIs (of software and applications) and XML format shall be deafault in projects and programmes.	
Dealing with GDPR	22,2	Good practices + examples in MS, also regarding access of parties			

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EPBD implementation guidance inputs

Aspect	Provision	Input Projects	Comments	EUB SuperHub		
				2 sentence input	Reference(s)	Long-term vision
Design - general		How could EPCs look like in general (best practices)?	How could information be presented in the best way, most understandable, intutitive, meaningful	EPCs (building certificates) should first and foremost fullfill the objective being "communication tools", between various stakeholders. EUB SuperHub suggested graphical elements, text and values for each and every indicators.	deliverable D4.4	Storage, access should facilitate content display to all user groups.
Classes A, G, B-F	19,2	How to design the scales?	Less as legal interpretation of the classes but with a view to aspects to consider when wanting to have meaningful scales - also for policy monitoring			
Re-scaling	19,2	Communication on Re-Scaling; in particular in case of co-Existence of Classes (due to long validity of EPCs)	Experience in Member States? Good practices for communicating the re-scaling?			
Common visual Identity	19,3	How could MS establish one visual identity (per country with an EU level default template)?	In particular where several languages have to be accommodated	EPCs (building certificates) should first and foremost fullfill the objective being "communication tools", between various stakeholders. EUB SuperHub suggested graphical elements, text and values for each and every indicators.	deliverable D4.4	Storage, access should facilitate content display to all user groups.
Affordability	19,4	How can EPCs remain affordable? Good practices? Examples of financial support?	Less in a sense of a definition but rather info on costs / prices, best practices on how EPCs can remain affordable yet meaningful and / or how vulnerable households can be supported. Some input already provided by the contractor with reference to Xtendo and QualDeEPC.			
Legibility, machine-readable format	19,4		Any aspects to consider? Any technological aspects?	APIs (of software and applications) and XML format shall be deafault in projects and programmes.		The semantic web is the ultimate goal to link data and information immaculately - over the internet - that would link building data too.
Operational greenhouse gas emissions + indoor environmental quality	19,5	How to reflect best in EPCs?	Meaningful but not heavy, both in terms of presentation and assessment; Contractor already provided some input with reference to Xtendo and with reference to the Greek + Portuguese system.			
Low-temperature heating; Remaining life-span	19,8	How to best reflect in EPC: - adaptability to efficient temperature settings - remaining life span	Meaningful but not heavy, both in terms of presentation and assessment	n.a.		
~~**Recommendations on single measures**~~	19,5	How to present a meaningful but not too extensive set of recommended measures?	e.g. number, level of detail, difference RP, methods to estimate / assess; the contractor already provided some input with reference to QualDeEPC + the German system.	The building use, owner and occupancy (aka available capital) set the goals, plus design stage certificates and BRPs play key role in consulting.		
Recommendations / Link + Integration with RP	19.6 + 19.14	How can EPCs/ RPs (assessments) be made complementary or integrated in best way	common issuing yes / no, to what extent different,	The building use, owner and occupancy (aka available capital) set the goals, plus design stage certificates and BRPs play key role in consulting.		

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EPBD implementation guidance inputs

Procedures + Workflows				EUB SuperHub		
Aspect	Provision	Input Projects	Comments	2 sentence input	Reference(s)	Long-term vision
Tools for EPC-experts Assessors	19,4	Are there any tools (developed/ up-graded/ used/ documented by the projects) that support EPC-experts/ assessors in their assessment?	Examples of newly developed, up-graded, customised or applied existing tools (and/ or good practices from MS)?			
Virtual means / visual checks	19,4	What can virtual means with visual means mean in practice?	Good practices? Difficulties / risks? Aspects to consider? (Already some input from contractors with reference to German system. Any other examples?)	Data exchange facilities and applications (based on DBL, Digital Twins, BIM) meant to support QA/QC.		
Simplified procedures (for single / stand-alone measures)	19,14	Any good practices/ examples?		This deliverable illustrates the EUB SuperHub certification scheme, a roadmap to implement it across EU and a guide to assess the KPIs of the EUB e-Passport.	deliverable D2.5	D2.5 - The EUB SuperHub Transnational framework and passport
Certification of whole building / building units	19,11		Any experience with practices in MS?	EUB SuperHub platform feature of EPC aggregation for specific building KPIs and building data to input calculations.	deliverable D2.3	Develope and expand for example the E-cockpit module - multibuilding analyses and rating maps tools
Similar / representative building	19,11	Any good practices / examples?				

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Reliability + Quality				EUB SuperHub		
Aspect	Provision	Input Projects	Comments	2 sentence input	Reference(s)	Long-term vision
Overall Reliability + Quality of EPCs	19,4		Common issues / problems making EPCs potentially unreliable + solutions; examples from MS	This deliverable illustrates the EUB SuperHub certification scheme, a roadmap to implement it across EU and a guide to assess the KPIs	deliverable D2.5	Qualification of the assessor and auditor, including competence's requirements based on the TRAIN4SUSTAIN Competence Qulaity Standard
Quality	Annex VI	Good practices for quality schemes / control		This deliverable illustrates the EUB SuperHub certification scheme, a roadmap to implement it across EU and a guide to assess the KPIs	deliverable D2.5	Qualification of the assessor and auditor, including competence's requirements based on the TRAIN4SUSTAIN Competence Qulaity Standard
Validity + Deviation	Annex VI	Good practices for validity of EPCs in ths sense of Annex VI				
Sample checks or other controls	Annex VI	Examples of sample checks		Case studies still to be deployed.		

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EPBD implementation guidance inputs

EPCs as tool for policy making and market facilitation				EUB SuperHub		
Aspect	Provision	Input Projects	Comments	2 sentence input	Reference(s)	Long-term vision
EPCs / databases as a tool to inform policy design + monitoring						
EPCs as market enabling / valorisation tool / service						

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Thank you for your attention!

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