



Dear reader,

We hope you enjoyed your summer vacation and that you are now feeling all rested! In the last 6 months of the project, a lot of development has been done, which resulted in 11 deliverables that are presented below. We also finally had the opportunity to meet in person after a long year and a half of online meetings. Read along to find out how that was and also what other events we have attended and which workshops we have organized. With this, we mark 2 years of the project, and we already look forward to our last year!



DELIVERABLES AND MILESTONES

D1.5 Comparative assessment of current EPC schemes and relevant emerging building performance paradigms v2

FRC
The review of the report for the current status of EPCs in Europe. The revised version of the deliverable considered significant developments in the European area in the field of energy certification of buildings, which took place in the last 12 months. The deliverable focuses mainly on the provisions of the new EPBD recast draft, the release of which is expected within the year, as well as on the main findings of the sister projects of D2EPC, which were also funded by the H2020-LC-SC3-EE- 2019 call.

[Read more](#)

D1.6 Aspects of Next Generation EPC's Definition v2

KTU
The revised version of the deliverable includes a revision of the existing parts as well as analyses of the new material. Additionally, human comfort and wellbeing indicators; findings concerning LCA indicators; recast of the energy performance of buildings directive; geolocation practices for EPC documentation and proposed added values service; BIM data standard relevant for D^2EPC; D^2EPC information delivery specification; IFC parser and findings concerning the incentives and restrictions were analysed and presented in the D1.6.

[Read more](#)

D1.7 D^2EPC Framework Architecture and Specifications v2

CERTH
This report provides updates on the D^2EPC system architecture, its building blocks, components, interdependencies among components and related constraints such as the development methodology, which were documented in the previous version. Based on this layered architecture, functional, deployment and information viewpoints were updated, presenting for a more detailed analysis of each individual component, along their in-between interactions.

[Read more](#)

D3.2 Design and Implementation of the D^2EPC GIS Tool

GSH
This report presents the results of T3.2 – Development of a GIS scheme for EPC documentation depicting the developed WebGIS application for the D^2EPC project. The report is to provide a holistic overview on the D^2EPC WebGIS tool, its scope, design, sub-components, functionalities, requirements and the relevant use cases that drove the implementation steps.

[Read more](#)

D3.3 D^2EPC Building Digital Twin v1

CERTH
This document provides a detailed description of the Digital Twin component under development, with emphasis on the designed architecture, sub-components functionalities, and utilized data schemas. The main focus is placed on the Building Information Model (BIM), which constitutes the foundation for developing Digital Twins for the built environment. The conceptual architecture of the designed solution is documented along with the actual software component implementation including technical details regarding the sub-component's operation and communication with each other.

[Read more](#)

D4.1 Building Performance Module v1

SEC
This report details the primary technical activities carried out during the development of the calculation Core Engine for D^2EPC. The deliverable describes the features and functionalities of the Asset Rating Core Engine Module, the Operational Rating Core Engine Module and the Building Performance Module. In addition, the outcomes of their application to specific pilot buildings are demonstrated.

Will be submitted at the end of the month.

D5.4 D^2EPC Pilots Demonstration v1

CLEO
Main scope of D5.4 report is to describe the validation methodology and implementation in real-life building environments of the concepts and solutions developed in previous WPs. Six pilot cases are undertaking test stages towards further elaborating on the application of D^2EPC technologies for the residential and tertiary sector.

Will be submitted at the end of the month.

D7.4 Report on the contribution to standardization v1

Spanish Association for standardization
D2EPC has taken actions within the standardisation system to facilitate and promote the acceptance and utilisation of the project results, and to gather information about in force standards, projects under development or other feedback from experts in technical committees (TCs). This deliverable assesses the standardisation documents identified as relevant, to focus the activities on a limited range of documents and TCs. This deliverable also explains the actions taken by D2EPC regarding standardisation contributions until M24 and outlines the actions to be taken before (and after) the end of the project. The main objective of this deliverable is to guide D2EPC members in the following months, to ensure a positive result of the standardisation contributions made by the project.

Will be submitted at the end of the month.

D7.5 Exploitation Report and IPR Protection Plan v1

GSH
This report concerns the first version of the Exploitation and IPR protection activities within D^2EPC project. The report also provides a comprehensive description of the relevant activities that have taken place so far under T7.4, including also a high level description of the methodological approach followed, the rationale of the exploitation workshops/events already organized, the different exploitation opportunities of the generated D^2EPC strong assets as well as the identification of potential customers and viable future business models.

This deliverable is confidential

D7.8 Established internal and external communication channels and materials v2

DMO
The report summarizes the activities performed to establish and maintain the communication channels and materials. Project dissemination materials and channels are developed for partners' use when carrying out dissemination and communication activities. Deliverable 7.8 covers the progress regarding the public and internal project websites, established social media channels and dissemination material of the project.

Will be submitted at the end of the month.

D7.10 Report on Dissemination Activities v2

DMO
Deliverable 7.10 "Report on Dissemination Activities v2" is the updated version of D7.3 and reports on the dissemination activities that took place in the period from M13 to M24. Those are compared with the first-year activities in order to monitor the progress. The report includes a summary of all the relevant news and events in which consortium partners participated, the activities within each social media channel, together with their analytics and the website analytics which shows the performance of the project's main communication and dissemination tool. This report will be further updated in its third version in M36.

Will be submitted at the end of the month.

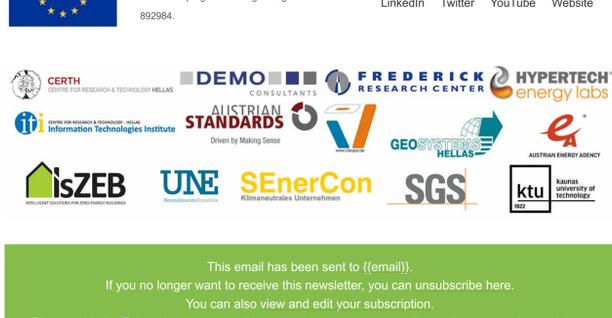
D8.7 Periodic Report on Management and Technical Progress v3

CERTH
This report documents the main achievements in the last reporting period (M19-M24, March 2022-August 2022) of the D^2EPC project for the active WPs and the corresponding activities. It outlines the status and progress of the project's activities per Task, pinpoints any deviations from the DoA and the corresponding corrective actions taken by the partners, and describes the planned activities for the next period.

This deliverable is confidential

NEWS & EVENTS

Workshop June



D^2EPC organized the workshop "Building performance assessment towards Next-generation EPC" which took place online on the 8th of June.

We had an amazing opportunity to listen to 10 exciting presentations which showed the state-of-the-art on the topics of smart buildings and energy efficiency, human comfort, sustainability assessments and monetizing building's energy performance. The presenters were a nice mix of researchers, PhD students, and others, which made it easy for all of us to dive deep into discussions after each session during the workshop.

[Check the recording](#)

National workshop – Austria

On the 14th of June a national interactive workshop "The next generation of the energy certificate - challenges & opportunities" was carried out in Austria. More than 70 participants, mainly energy advisors and EPC assessors took part. In the break-out sessions, the challenges and opportunities of a dynamic digital EPC were discussed.

Workshop July

D^2EPC organized the "Workshop for EPC Assessors: Methodology and tools" which took place online on the 12th of July.

The objective of the workshop was to share the methodologies and tools developed in the project with EPC assessors from different countries, in order to have their opinion and feedback. The presenters from our project (including assessors, researchers, PhD students, and others) brought the discussions after each session during the workshop. All the feedback gathered from the attendants will be used to improve the methodologies and tools in terms of user-friendliness and technical content.

We would like to give sincere thanks to everyone who contributed to the workshop.

You can check the recording on our YouTube channel if you missed the workshop.

[Check the recording](#)

4th plenary meeting

After a year and a half of online calls, we were finally able to organize a hybrid meeting! On 8th and 9th March, we gathered in Thessaloniki, Greece for our 4th plenary meeting, where we discussed the progress of the project and defined our next steps. Our hybrid meeting was a valuable experience as we were able to meet some of the partners in person for the first time. Such opportunities certainly strengthen the collaboration, and we already look forward to our next plenary meeting in September, which will take place in Cyprus.

Two acceptances in conference

A conference paper with the title "Next-Generation Energy Performance Certificates. What novel implementation do we need?" was accepted for the presentation at Clima 2022, REHVA 14th HVAC World Congress.

[Read the paper](#)

An abstract entitled "Next-generation energy performance certificates. Users and stakeholders requirements and market's needs", has been accepted for poster presentation at Energy and Climate Transformations: 3rd International Conference on Energy Research & Social Science Conference.

U-CERT & X-tendo final conference 6th July

On 6th July D^2EPC participated at "U-CERT & X-tendo final conference: enhanced and future-proof EPCs", that took place in L42 Business Center in Brussels. Stavros Koltisios joined the event as a panelist and had the opportunity to network and disseminate the D^2EPC project findings. Breakthroughs in the domain of next-generation Energy Performance Certification scheme were demonstrated during the event, by the cluster of European Union's Horizon 2020 research and innovation projects: X-tendo, U-CERT, QualDeEPC, E-DYCE, ePANACEA, EPC-RECAST, crossCert, EUBSuperHub, iBRoad2EPC and TIMEPAC. "

[Check the highlights of the conference](#)

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