PRESS RELEASE

D^2EPC is well on track

The European D^2EPC project started approximately a year ago, in September 2020, aiming to set the grounds for the next generation of dynamic and digital Energy Performance Certificates (EPCs) for buildings. Over the past 12 months, the consortium, which consists of 12 partners and one linked 3rd party, from 7 different European countries, has reached several milestones. Panagiota Chatzipanagiotidou, member of the project coordination team and Egle Klumbyte, WP2 leader, share some insights on the project evolution.

"The project is well on track", says Panagiota, "all partners are following the schedule and are on time with the submission of the deliverables for which they are responsible. For example, the deliverable describing the framework architecture of D^2EPC was an important milestone for project's technical progress that we reached on time". The project has a duration of three years, so there is still a lot to do. "We have just started with the activities of WP4, focusing on the development of the digital platform for the issuance of dynamic EPCs," says Panagiota. Egle then updates us with the progress on WP2 "where we are working on the analysis and definition of a set of indicators to be included in the next generation EPCs. Here, you can think of indicators like SRI, Human comfort & wellbeing, LCA and economic indicators." Egle continues, "the first deliverable about the D^2EPC information model has just been delivered and we are now in the midst of developing the additional KPIs for optimizing user awareness."

Sister projects

In the past year, contact was made with sister projects formulating the Next Gen EPCerts H2020 cluster. "We are now working closely with the projects within this cluster, such as U-CERT, ePANACEA, E-DYCE, X-tendo, EPC-RECAST and QualDeEPC", Panagiota explains. Up to now, we have participated in several workshops with sister projects where we explored synergy and joined our forces on hot topics", she says. "Particularly in the areas of communication, dissemination, exploitation and technical advocacy, to achieve the maximum impact for all individual projects is of great importance".

Conferences & networking

In September, D^2EPC was represented within a panel discussion in Sustainable Places 2021 (SP2021) Conference in Rome under the session "The next generation Energy Performance Certificates: making buildings fit for the energy transition". It is good for the Next Gen EPCerts cluster as well as for the D^2EPC project itself to gain exposure within the European network. "We do this by organizing workshops and panel discussions," says Panagiota, "until recently, due to the pandemic, this was only possible online, but hopefully this will also be done live again".

The coming period

"In the next months, we will be busy developing the Key Performance Indicators to be included in the EPCs of the next generations," says Egle. "The KPIs will promote the reliability, user-friendliness and cost-effectiveness of energy performance certificates", she explains. The project team will gather most of the data from the digital (BIM) model. "The BIM model of the building contains various objects with descriptive attributes (properties or parameters) attached to their geometry," clarifies Egle.

In addition, a lot of development work is envisioned within the following months. This includes activities for the development of the BIM Parser for modelling required data and the D^2EPC Digital Twin, as well as the development of the dynamic EPC calculation module and the implementation of the AI D^2EPC added value services. "Interesting developments, so reason enough to keep following our work", Egle suggests.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 892984

Project Coordinator

Dr. Dimosthenis Ioannidis

Centre for Research and Technology Hellas, Information Technologies Institute (CERTH)

6th km Xarilaou - Thermi, Postal Code: 57001, Thessaloniki, Greece

Tel.: 0030 2311 257750

E: djoannid@iti.gr

Subscribe to the newsletter

Follow us