



Dear reader,

This is the third newsletter of the D<sup>2</sup>EPC project, which started in September 2020. We are currently in M18 which means we are halfway through the project! One of the biggest achievements in the last few months was the definitions of the key performance indicators which cover smartness, human comfort, environmental and financial aspects of new and existing buildings, aiming to simplify the understanding of buildings energy performance and to present a more comprehensive overview of the actual energy performance of buildings. Have a look at the deliverables we prepared and events we attended in the last half a year.

Half-way  
through the  
D<sup>2</sup>EPC  
project

## DELIVERABLES AND MILESTONES

### D2.1 SRI indicators for next generation EPCs v1

CLEOPA GMBH

Task 2.1 aims to establish the framework and scope of SRIs integration in the dynamic EPC scheme. The metrics required to define SRI functionality levels were identified, and an assessment of their availability in data required for the EPC asset rating was conducted. It also includes an allocation of IFC entities with SRI functionality levels.

[Read more](#)

### D2.2 Human-Centric Indicators and User Profiles for Next Generation EPC v1

HYPERTECH Energy Labs

This report describes the final definition of the Human Comfort & WellBeing Indicators. The occupant's comfort and wellbeing are examined in the context of thermal and visual comfort as well as the quality of indoor air. A measurement-based approach is followed for the definition of the indicators, solely dependent on streaming ambient conditions data from the pilot IoT infrastructure.

[Read more](#)

### D2.3 Life Cycle Indicators for next-generation EPCs

Frederick Research Center

Deliverable's scope was to suggest supplementary indicators exhibiting the buildings' environmental performance for their outline in the next-generation EPCs. LCA Indicators for EPCs will meaningfully contribute to maximizing energy savings, the accomplishment of buildings' carbon decreases, and accompaniment the SRIs, social and economic indicators through other WP2 activities for truly sustainable EPCs issuing.

[Read more](#)

### D2.4 Financial indicators for next generation EPCs v1

DEMO Consultants B.V.

Financial indicators aim to increase user awareness about the energy efficiency of buildings and enhance the user-friendliness of the building certificate. The financial KPIs enable the interpretation of the individual elements of buildings energy performance into monetary normalised values and thus enable the financial assessment of the building.

[Read more](#)

### D3.4 D<sup>2</sup>EPC Platform & Interfaces v2

HYPERTECH Energy Labs

The second version of the deliverable summarises the activities conducted towards the establishment of the D<sup>2</sup>EPC IoT Platform. It delivers the proposed list of IoT devices to be utilised for the finalized equipment installations in the pilot sites and further provides a complete description of the components that constitute the IoT Framework.

*Deliverable is confidential*

### D5.1 D<sup>2</sup>EPC Manual v1

SGS TECNOS SA

The manual includes the theoretical background, the methodology and the calculation steps of the D<sup>2</sup>EPC scheme and is addressed to the future EPC assessors who will be in charge of calculating the EPC of a building under the D<sup>2</sup>EPC scheme. The aim is to give guidance of the whole EPC calculation process.

[Read more](#)

### D5.3 Pilot Planning and Setup v1

Centre For Research And Technology Hellas, Information Technologies Institute

This report presents the D<sup>2</sup>EPC demonstration cases in Greece, Germany and Cyprus (6 case studies) and identifies existing pilot buildings equipment (IoT sensors, metering infrastructure, etc.), assets and coverage. It identifies connectivity and pilot data information sharing and describes an implementation plan, risks and mitigation actions.

[Read more](#)

### D6.1 Strategic Standardization Plan v1

Austrian Standards International

The standardization landscape includes European and International standards (published or under development) being relevant for dynamic EPCs. Main purpose is to demonstrate and validate the D<sup>2</sup>EPC project solution and gain market acceptance. A technical review of the landscape will serve to identify gaps and impact on project results as well as recommendations for further actions.

[Read more](#)

### D6.2 Recommendation report on integration of NG EPC in national/regional certification schemes v1

Osterreichische Energieagentur Austrian Energy Agency

Within T6.2 the role and relation of the NG EPCs in the EPBD has to be analysed and examined for any restrictions regarding their implementation. D6.2 deals with the current situation of the implementation of some important aspects of EPBD regarding EPCs in the partner countries.

[Read more](#)

### D7.6 Dissemination and Communication Plan v2

SGS TECNOS SA

This deliverable establishes a guideline about strategies, and work-flows for partners to follow when developing the activities related to communication in order to reach our target stakeholders and show them the benefits of the D<sup>2</sup>EPC. The overall objective is to maximise the impact of the project's activities and results.

[Read more](#)

### D8.9 Data management plan v2

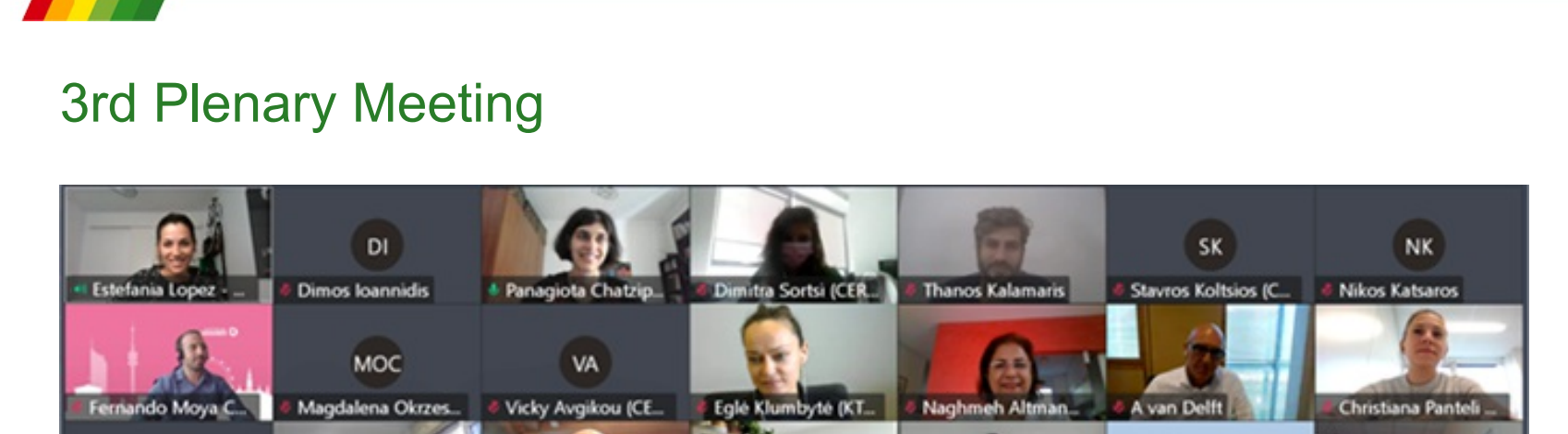
Centre For Research And Technology Hellas, Information Technologies Institute

This report sets the principles and standards that should be considered by D<sup>2</sup>EPC partners and participants during the collection, organization, storage and sharing of the generated datasets. It updates the first version of the project's Data management plan, and presents the datasets from the pilot sites and the datasets from the D<sup>2</sup>EPC system's components.

[Read more](#)

## NEWS & EVENTS

### TIMEPAC workshop



TIMEPAC project organized a hybrid international workshop "Dynamic EPC as enabler of Smart Energy Services – Energy Efficiency, Integration of RES in Buildings and Demand Response" that took place on 14th and 15th December in Ljubljana. We discussed innovative approaches for energy performance assessments in buildings, integration of SRIs and supporting mechanisms that will enable more efficient use of existing data, technologies and services to promote environmental awareness and consumer engagement in energy efficiency.

### EnlitEurope 2021



D<sup>2</sup>EPC project was featured at the Enlit Europe 2021, a three-day hybrid event that took place in Milan, Italy between 30 November and 2 December 2021. Enlit is a community that collaborates and innovates to solve the most pressing energy-related issues. It organizes a series of energy events with the intention to meet and inspire each other and to develop discussions and actions to take steps forward in the energy transition.

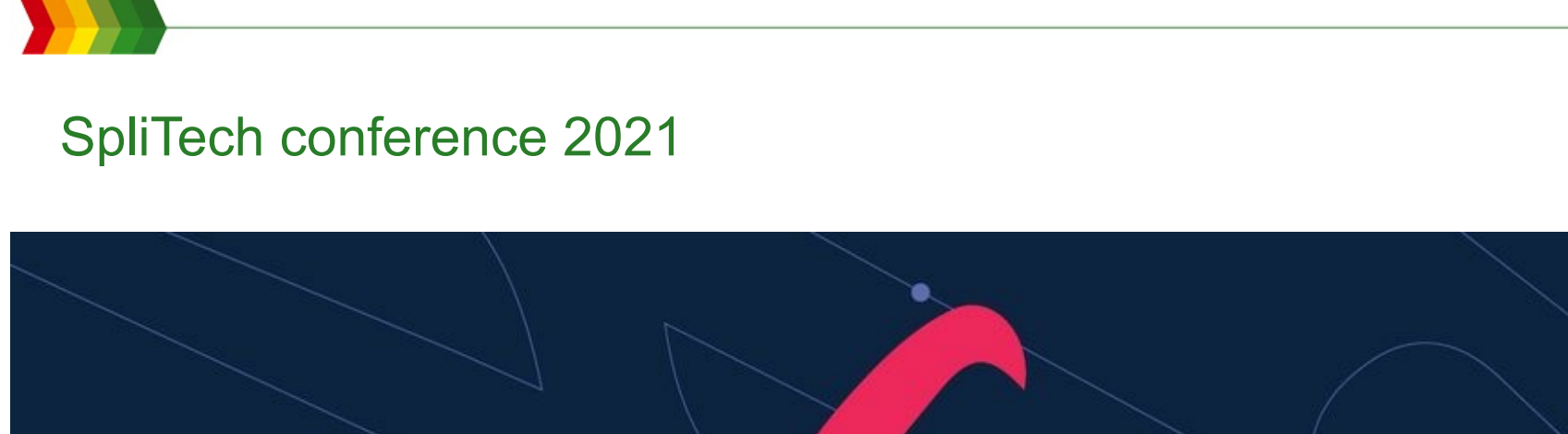
### 2nd Press Release



D<sup>2</sup>EPC project has released its 2nd Press Release! The project is well on track! All partners are following the schedule and are on time with the submission of the deliverables for which they are responsible.

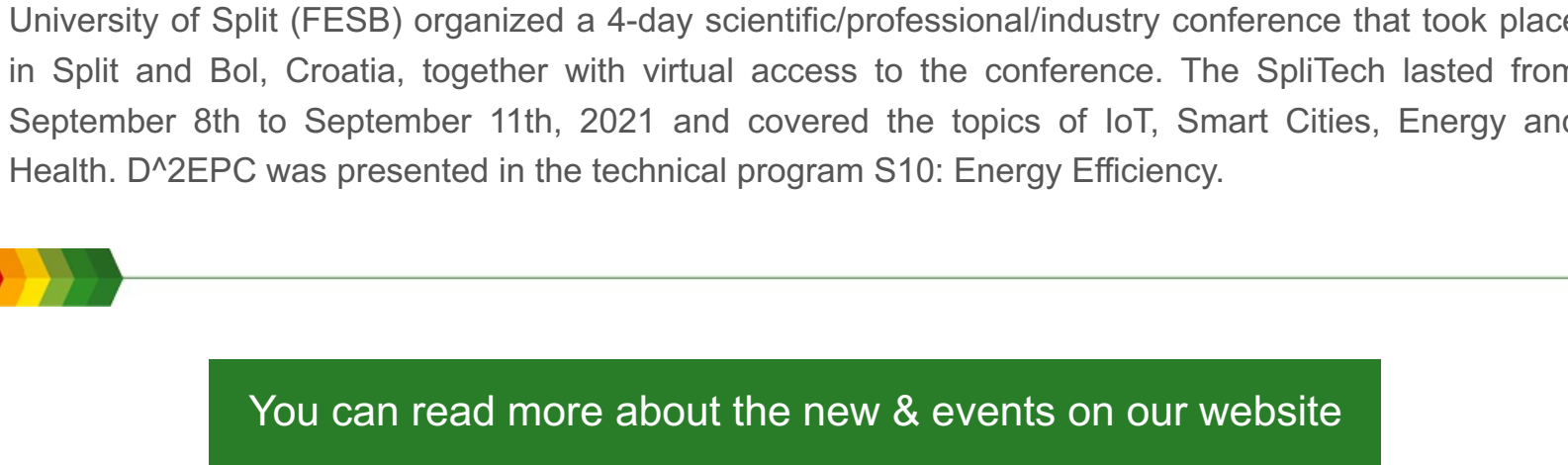
[Read it here!](#)

### Sustainable energy week



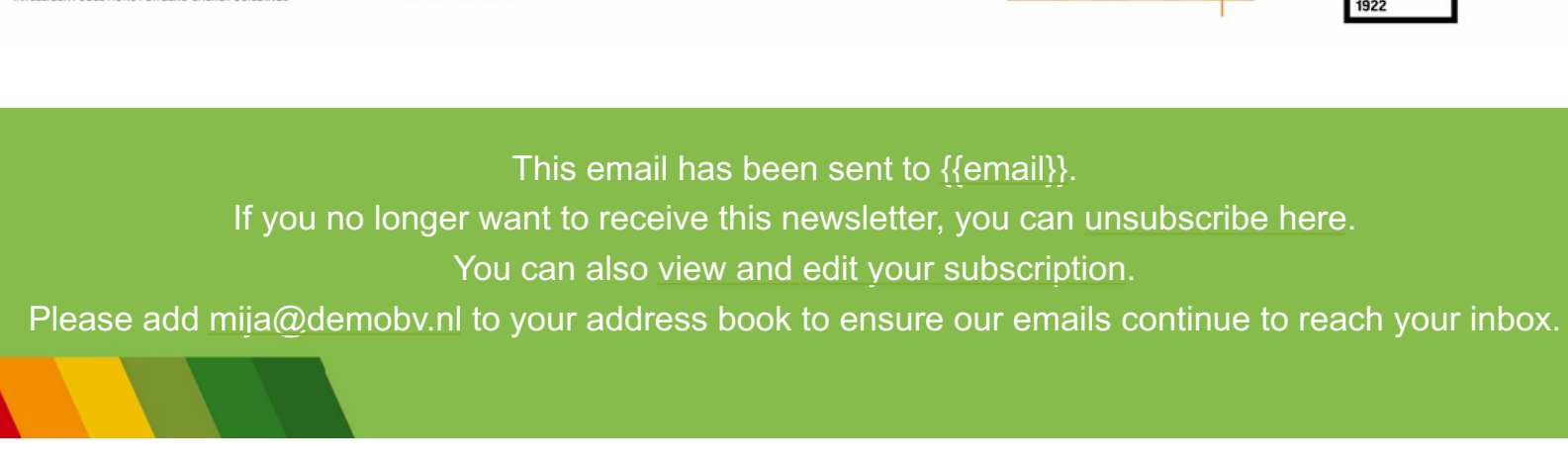
A lively and informative moderated panel discussion between the project's representatives has taken place in the webinar organised in the framework of the Sustainable Energy Week (EUSEW) on the 14th of October 2021. The Sustainable Energy Days are digital activities and events organised by local public and private organisations across Europe to promote clean energy and energy efficiency.

### 3rd Plenary Meeting



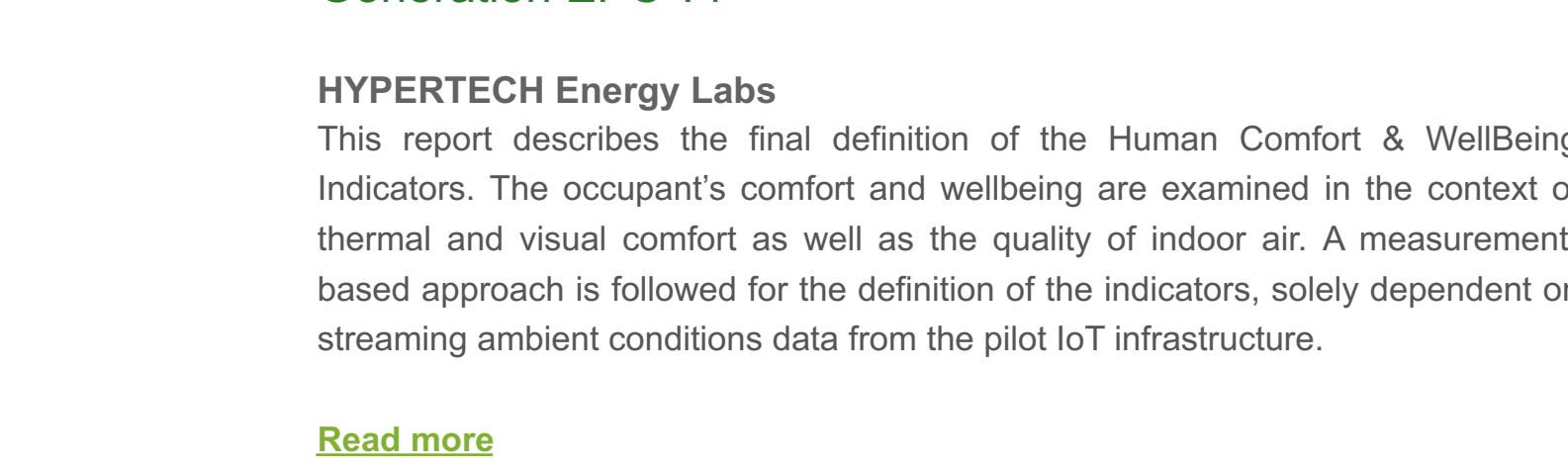
The consortium of the D<sup>2</sup>EPC project held a two-day online 3rd Plenary meeting. This meeting took place on 5th and 6th October 2021, with the main objective to update each other on the progress of our project, what has been achieved so far, and set up the next steps. The meeting was led by Project Coordinator CERTH.

### ESAΦweek2021



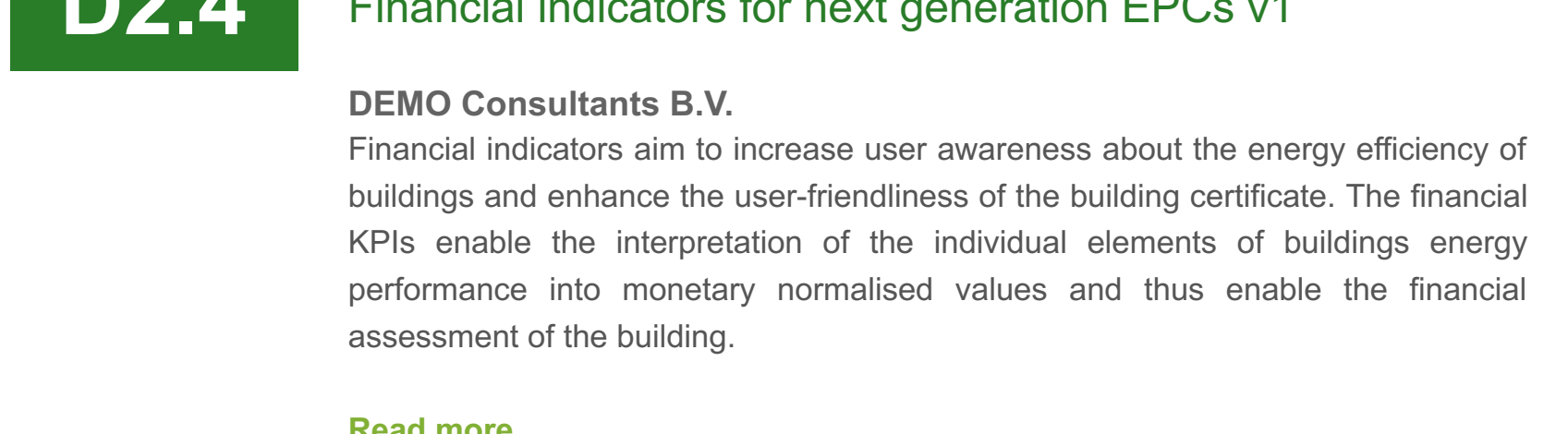
D<sup>2</sup>EPC e-poster was featured in the poster session of the ESAΦweek2021. You can find us [here](#) under ID 65.

### Sustainable Places



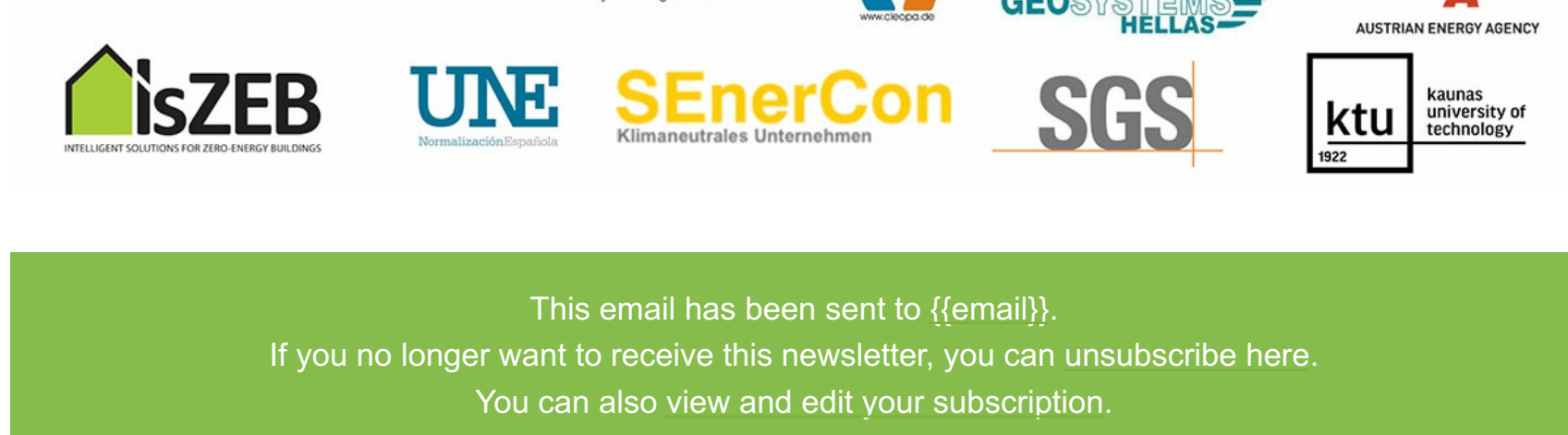
D<sup>2</sup>EPC has participated in the workshop "Building Energy Performance Certificates: The Enabler Smart Readiness Indicator" which took place on 29th September. The workshop was part of the conference Sustainable Places 2021, which is Europe's number one destination for EU research collaboration and market opportunities. The 9th annual edition of Sustainable Places was a hybrid event, lasting from 28th September to 1st October, with the in-person sessions hosted in Rome, Italy.

### SpliTech conference 2021



University of Split (FESB) organized a 4-day scientific/professional/industry conference that took place in Split and Bol, Croatia, together with virtual access to the conference. The SpliTech lasted from September 8th to September 11th, 2021 and covered the topics of IoT, Smart Cities, Energy and Health. D<sup>2</sup>EPC was presented in the technical program S10: Energy Efficiency.

You can read more about the new & events on our website



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