



## Education for Digitalisation of Energy

Newsletter no.11 – July, August, September 2022

### Invitation for Registration to EDDIE database.

The consortium team has been working hard to develop a dynamized and elegant Stakeholder Database which will include all the relevant stakeholders for the EDDIE project.

The database aims to create synergies and provide relevant information for people interested in the energy sector, both for professional and educational matters.

Through the analysis of data previously gathered in the initial stakeholder database, the new and improved version of the EDDIE DATABASE has been developed in order to store information in a more organic way, best suited to be used everywhere when needed and easier to be managed.

Potential EDDIE members will be able to apply by filling in an application with the relevant information needed from them. Once the application is filled in, it will then have to be approved by the consortium members. This approval of the applications will ensure the quality and relevance of the members of the platform.

## REGISTRATION

### Welcome to EDDIE!

We are happy to have you with us! Please fill-in the form below and create your **EDDIE MEMBER** account on our website and become part of our Stakeholders list.

[EDDIE Home Page](#)

#### Create Account

Information about you

This section refers to your own profile. Unless explicitly specified, all data remain private

The platform is ready for the stakeholders to begin the applications, register their companies, research institutes, universities, VET providers, industry representatives etc.

The database has been launched through the EDDIE website and the registration process can begin by clicking on the button below.

## EDDIE Project continues the “Policy Briefs” topic.

EDDIE Project continues the action of publishing on its website summaries on the topic “Policy Briefs” by addressing relevant strategies, regulations and initiatives at EU level.

The latest subjects are “European Skills Agenda Employment, Social Affairs and Inclusion”, “BIM-based EU-wide Standardized Qualification Framework for achieving Energy Efficiency Training” and “Education close to zero energy constructions: Energy lift”.

One of the policy briefs addresses the European Skills Agenda which is a five-year program to support individuals and businesses in learning and using more but also improved skills. The program started 2020 to drive the twin green and digital transition and to ensure recovery from the socio-economic impact of the COVID-19 pandemic. Skills are hereby key for sustainable competitiveness, resilience to react to crises and ensuring social fairness for all.

Another policy brief presents the BIMEET project by addressing the challenges faced by the European construction sector in an increasingly digitized environment. The objectives of the project were to identify skills and training needs, as well as provide training to construction professionals and workers in order to prepare the market to adopt Building Information Modeling (BIM). As a result, a training portal was developed, which provides training opportunities and acts as a repository source for information on BIM and energy efficiency. The program fell into the wider context of meeting European energy and carbon reduction targets.



[More details](#)

The Education close to zero energy constructions: “Energy lift” (“Energilyftet”) policy brief presents the Swedish Energy Agency to prepare the construction sector for future requirements for near-zero energy buildings (NNE standard), which has been started being implemented gradually from 2021. This initiative includes webinars, seminars and courses.

The competence enhancing efforts are aimed at clients, engineers, architects, construction project managers, consultants and technical managers. Energy Offices coordinate the education to disseminate knowledge about energy-efficient construction and renovation.

## EDDIE Project planned the main demonstration trials.

### WP6: Pilot Activities



- **Aachen:**
  - Lecture at RWTH in Dec.
  - In contact with city of Herne
  - Next Year: High School workshop, RWTH summer school course, Girl's Day, ...
- **Milan:**
  - MOOC course on energy digitization for real estate in production
  - Course will be available in March/April 23
- **Athens:**
  - Design phase for activities
  - Two courses starting in May 2023
  - Summer school and MOOC Course in cooperation with ERIGrid in summer 2023
- **Cologne:**
  - Design phase for activities
  - Start of „Future Energy Certificate“ Course in Jan/Feb 23
  - Start of workshop course „Power economics“ at EWI academy in Q1 2023



With the support of the Erasmus+ Programme of the European Union

Eddie consortium started activities for the pilot demonstrator in four cities: Aachen, Milan, Athens and Cologne and the main demo trials are presented in the picture.

At a smaller scale, several partners will implement courses and tools by making use of the current results of the project. The effort which will be invested by the consortium is planned to be verified in final stages by implementation of a pilot demonstrator as part of the Work Package 6.

The city of Aachen, as pilot site, entails an ideal scenario to carry out the project deployment due to its wide offer in terms of education: High level Education, Vocational, High School and industrial education. A post-analysis of the outcomes will allow the extraction of the main lessons learnt and continuous improvement of the Blueprint – BSDE through an iterative approach to ensure the sustainability of the chosen strategy.

[More details](#)

## EDDIE Project at SEFI Annual Conference 2022

In September representatives of EDDIE project participated at the SEFI Annual Conference. The event is a scientific conference focused on Engineering Education and the biggest event of this type in Europe. Therefore, SEFI has been an unique opportunity for professors, students, industry and professional organisations to exchange their views and to meet their peers and create a European network of contacts. Through the main topics of the conference could be found the “Teaching methods; Digitalisation & Hybrid models”, “Student Engagement; Teaching methods”, “Continuing Engineering Education and Lifelong Learning”, etc. all objectives of the society and priorities identified by its members.

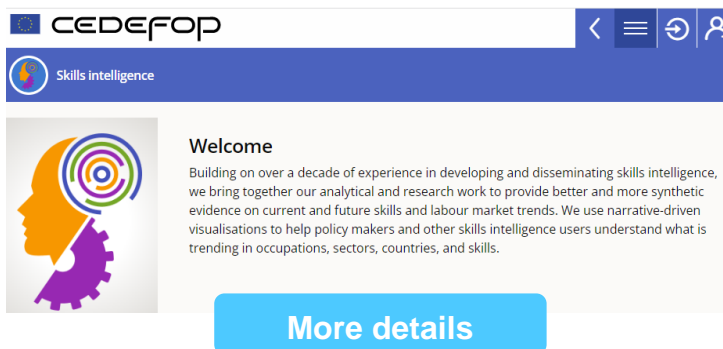
[More details](#)



SEFI ANNUAL CONFERENCE  
19-22 September 2022  
BARCELONA

## EDDIE will be included in the CEDEFOP Skills Intelligence Webportal.

On the 21st of July 2022 EDDIE representatives participated at the first online meeting organized by the European Centre for the Development of Vocational Training (CEDEFOP) with the aim of including blueprint projects in the CEDEFOP Skills Intelligence Web portal. During the meeting has been presented the new Skills intelligence tool that reflects Cedefop's goal to bring together and meaningfully combine components of its research work on skills and labor markets into one overarching narrative to better meet the information needs of its stakeholders. As a result, Eddie project will be included in the Agency's webportal and it will contribute with specific information about the work conducted, key findings and key outcomes.



In 2015, CEDEFOP started powering the Skills Panorama, an interactive website offering skills intelligence on countries, occupations and sectors in the EU. After six years, the Skills Panorama journey as a standalone website has concluded and is now hosted in the Cedefop website under the new Skills intelligence tool.

## EDDIE Project at the 14<sup>th</sup> International Conference on Education and New Learning Technologies.

Eddie representatives participated on the 4<sup>th</sup> – 6<sup>th</sup> of July at EDULEARN - one of the largest international education conferences for lecturers, researchers, technologists and professionals from the educational sector. After 15 years, it has become a reference event where experts from 80 countries got together to present their projects and share their knowledge on teaching and learning methodologies and educational innovations.

The event succeeded through the EDULEARN22 exhibition area to bring together participants and industry suppliers for their mutual benefit through the exhibition, creating a learning culture and strategic cooperation opportunities. An overview of the most recent educative resources and innovative programs has been provided by this section.

Moreover, the interaction and networking opportunities to facilitate new partnerships with industry were promoted.

Eddie project will engage in the platform for international strategic networking in order to present insights and results accumulated by the consortium.

[More details](#)



## EDDIE Project at the European Sustainable Energy Week – EUSEW 2022.

On the 22<sup>nd</sup> of September 2022, representatives of EDDIE project participated to a policy session within European Sustainable Energy Week – EUSEW 2022. The session "Skills for the twin green and digital transition" was part of the European Sustainable Energy Week 2022 Extended Programme, jointly organized by the EDDIE Project – Education for Digitalisation of Energy, EdgeFLEX Project – Providing flexibility to the grid by enabling VPPs to offer fast dynamics control services, IEEE PES Task Force on Innovative Teaching Methods for Modern Power and Energy Systems, DG EMPL.B2, and DG ENER.



**Skills for the twin green and digital transition.**

22 September 2022  
13:30 - 15:00 (CET)  
- Online -

The aim of the session was to identify and assess skills gaps, needs, high-impact policies and regulations in the Energy Sector, for energy transition through digitalization. During the conversations has been highlighted some of the most significant skills gap, the mandatory curricula changes and the most appropriate regulatory and policy measures required for the adaptation of technologies in the emerging digital era of the energy sector.

Furthermore, "Skills for the twin green and digital transition" intends to pave the way towards building a large-scale partnership under the Pact for Skills taking benefit from the Sectorial Skills Strategy that will be developed by EDDIE project.

The proposed interactive session was moderated by Cristiana Marchitelli (DG ENER) and combined the efforts of two project consortia: EdgeFLEX promoting smart energy and cybersecurity solutions, which triggered discussions on emerging technologies and associated skills needs and occupations and EDDIE which underlined the perspective on education and the design of an industry-driven sector skills strategy.

Moreover, the discussion was complemented by the participation of the IEEE PES Task Force on Innovative Teaching Methods for Modern Power and Energy Systems.



[More details](#)

## EDDIE Project at the “Digitally enabled renewable energy communities: The role of citizens in the clean energy transition”.

EDDIE Project participated at the “Digitally enabled renewable energy communities: The role of citizens in the clean energy transition” webinar on the 7<sup>th</sup> of September.

The event presented and discussed guidelines and practical implications of how adopting a consumer/prosumer-centric approach and enabling energy communities can be pivotal in enhancing the energy transformation for reaching Fit for 55 targets and supporting the REPowerEU plan using digital solutions.

Among the topics that the webinar addressed are the adoption of innovative digital solutions, promoting customer engagement, and the continuous education of youths and adults.

The EC under the lead of DG Energy set the scene within the framework of the upcoming Digitalisation of Energy Action Plan. ETIP SNET complemented it with a European multi-stakeholder point of view through the voices of industry, research and university.



[More details](#)

## EDDIE Project participated at “Is Open Source The Next Big Thing In Electricity Distribution?”

On 22 September EDDIE project representatives participated at the webinar ‘Is Open Source the next big Thing in Electricity Distribution?’ organized by E.DSO in collaboration with the RWTH Aachen University.



Since open source has been transforming many business sectors, and the percentage of open-source software behind our daily systems is growing at an unimaginable scale, it is expected that the energy sector will be affected as well.

The webinar raised critical questions trying to provide a vision of the possible implications of Open Source in the future work of Distribution Grid Operators.

[More details](#)

## EDDIE Project has been presented in the 2nd Workshop on Innovative Interactive and Digital Teaching.

Under the WITEA-ID project (Weeks of International Teaching – Inclusive and Digital), which is funded by the Erasmus+ Programme of the European Commission, Novel Group Sarl organised the 2nd Workshop on Innovative Interactive and Digital Teaching in Luxembourg. The event took place, in hybrid mode, at the Hotel Parc Belle-Vue from September 16th to September 19th, 2022, for teaching staff from higher education institutions (HEIs) from Europe. In the framework of digital and inclusive teaching, the program covered a wide range of topics, including Digital Skills and Digital Transformation in Education, Digital Learning and Innovative Tools and Inclusive and Interactive Teaching Strategies.



[More details](#)

Thus, EDDIE project, and more specifically the findings of the EDDIE Project Research, were presented in a themed session. The Best Practices for Vocational Educational & Training (VET) were discussed, along with the research criteria, its main features and the findings.

## EDDIE project consortium

