

Summary of D7.4 – Report on events (v1)

Deliverable D7.4 – This report describes the events organized, hosted and attended by the consortium within the Task 7.3 to create awareness of the project concept and results and trigger open discussions, facilitate collaborations and to spark innovation in the education for digitalization of the energy sector domain. The activities organized in the first 24 months of the projects include the organizational and logistical enabling of communication and dissemination activities such as the participation in scientific and industrial events with exhibition stands, the organization of workshops and special session in conferences, the organization of stakeholder and advisory board meetings.

The deliverable has been coordinated by partner Romanian Energy Center (CRE).

Report on events (v1) highlights the activities carried out by EDDIE consortium to increase the project impact and relevance, to disseminate the achieved results among relevant stakeholders groups and to pave the way for exploitation to support the education in the energy system as it evolves very much affected by its transition and digitalization. This report is a comprehensive and living document which gives an introduction and outline of the achieved dissemination activities and the ones proposed throughout the duration of the project, the tools, actions, and channels to be used in the dissemination and outreach of the products results.

The EDDIE partners have participated and organized different actions during the initial 2-year of the project which included organization of conferences and workshops, participation in conferences, workshops and fairs, social media dissemination, newsletters and flyer and poster preparation, nonpeer-reviewed articles, and had heterogeneous audience and objectives. Moreover, these activities involved sometimes not only cooperation between the partners of the consortium but also collaborations with other projects and European initiatives, creating new synergies and networking. Additionally, some of the project Key Performance Indicators (KPIs) purposed at the beginning of the project were achieved.

Within EDDIE stakeholder mapping, relevant target groups were identified with the aim of establishment of a Sector Skills Alliance, to develop an industry-driven Blueprint Strategy for the education and training in the energy sector which is continuously affected by digitalization. This Blueprint is an industry-driven strategy that will meet and anticipate the skills' demands for the sustainable growth and digitalization for the European Energy sector. The relevant members of EDDIE stakeholder map were approached during private consultations and public events including the international advisory board meetings, stakeholder meetings, the participation to industry fairs and innovation events as well as through the active participation to initiatives promoted by the European Commission.

The **Work Package 7 (WP7)** covers the dissemination activities during the project evolution, as well as the policy recommendations and exploitation results generated from other WPs and it focus on exploitation and sustainability of the project. Within the **Task 7.3 - Organisation of dissemination and consultation events**, has been organized activities in order to maximize the scientific, industrial, educational and societal impact of the project by creating awareness of the strategy of the blueprint, new directions and trends, technologies and the innovation activities within the project but also to engage actively with the public and the relevant stakeholders channeling and guiding feedback that will be incorporated in the strategic orientation of the project.

From a wider perspective, D7.4 reviews also the communication and dissemination measures implemented within Tasks 7.1, 7.2 and 7.4 to foster specifically the support for matching the current and future demand of skills necessary for the digitalization of the Energy sector.

With this aim, the tools used by EDDIE, besides the **web portal** which serves as the first link to disseminate the project (<https://www.eddie-erasmus.eu/>), are the organization and participation in innovation and dissemination events like workshops, conferences, industrial fairs, and other events. Another important tool that will be used is the **development and organization of educational activities** aiming to demonstrate the feasibility and materialization of the blueprint strategy for the digitalization of the energy value chain (BSDE) while training professionals with new skills to manage the new context of energy systems.

The impact objectives of the communication and dissemination activities organized and attended by EDDIE can be sorted in **multiple groups based on different target audiences**:

- **Dissemination towards relevant stakeholders groups in energy industry** (Energy producers and suppliers, Network Operators, Industrial and ICT suppliers, both equipment and services) These activities include the participation to industrial conferences, fairs and innovation events, the private and public, stakeholders (manufacturers, energy providers, policy decision makers, etc.), as well as the commitment in initiatives promoted by the European Commission like BRIDGE and ETIP-SNET.
- **Dissemination towards the education providers and research community** (Academic, training, research, and life-long learning community). The activities in this category include the participation in international peerreviewed scientific conferences, the organization of special sessions, the publication in highly ranked, prestigious, international peer-reviewed journals and magazines. The aim is to create awareness of the project work and assessments for skills gap identification, best practices at EU level.
- **Dissemination towards the VET systems and life-long learning** (Sectoral organizations in the energy and lifelong learning fields). EDDIE addresses the gaps in current educational programs and the need for professionals with new skills crossing energy and ICT fields by organizing a face-to-face and an online interdisciplinary course to promote the of BSDE.
- **Dissemination towards other EU Erasmus+ Alliances projects and initiatives**. The objective of these kind of activities and initiatives is to create a detailed view of the cross-cutting issues found during research projects, allowing to tackle the obstacles that innovation is facing, create synergies

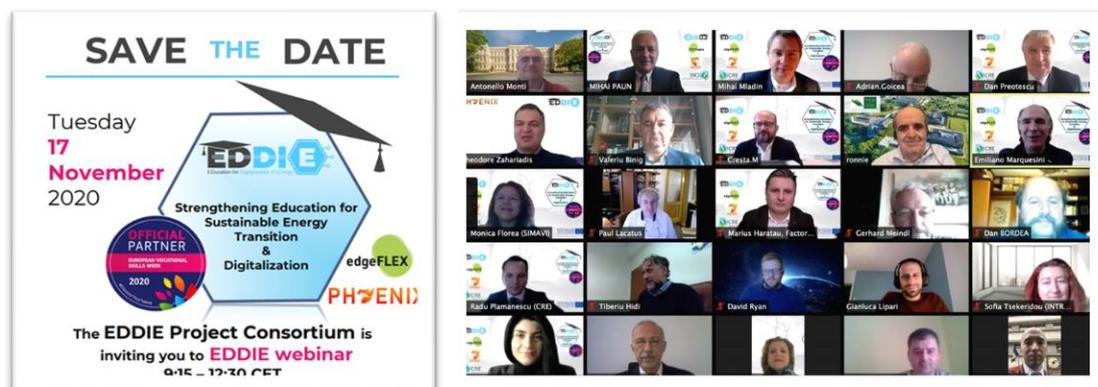
with other projects paving the way towards innovation for the digitalization of the energy sector.

- **Dissemination towards Administration bodies and policy makers.** Within this group of stakeholders, the aim is for presentation of the EDDIE concepts and results concerning the definition of a new framework for the education curricula and discussion about the implications for the educational providers. The objective is to raise awareness of the importance of the EDDIE topics and achievements among interested groups able to influence future decisions at National and EU level.
- **EDDIE Advisory Board members.** Within this group the focus is for comprehensive presentation of the ongoing work on the definition of new strategies for education of digitalization and discussion about the implications for the sector actors. Objective of the meetings is to collect feedback on the definition of blueprint strategy validated in the pilot trial and thereby ensure the European-wide acceptance and usability of the project outcomes.

The description of the events is reported in Chapter 2 of the deliverable, where the activities have been organized according to the following categories:

1. Events where EDDIE project has been presented

As part of this category, it can be mentioned [Strengthening Education for Sustainable Energy Transition & Digitalization](#), stakeholders consultation webinar, which wanted to respond to key questions raised by the 4th Revolution, addressing the main forces of change in ENERGY Transition: Low Carbon Objectives & Digitalization.



Other relevant events have been: 2021 IEEE International Forum on Smart Grids for Smart Cities (Virtual Forum), Erasmus Days, ENLIT EUROPE 2021, IEEE PES PowerTech 2021, EDDIE at The First International Online Video-Conference On Energy T&D Networks.

2. Events where members of the EDDIE consortium took benefit of their attendance and mentioned EDDIE project.

The events where EDDIE project has been mentioned are the following: University of Sevilla Department of Electrical Engineering Webinar, ENTSO-E and E.DSO first InnoGrid virtual session on key role of electricity networks in the energy transition, PLATform for Operation of distribution NETworks (PLATONE) Project Midterm Conference – "GROWING THE ENERGY TRANSITION", ICAE2021-13th International

Conference on Applied Energy (Conference)- “Sustainable Energy Solutions for a Post-COVID Recovery towards a Better Future”, Energy Education in the Future.

EDDIE has been involved in the [European Vocational Skills Week 2020](#) as an associated event for dissemination project’s results, lesson learned and conclusions from the needs identified in the professional environment regarding the knowledge and skills on digitalization, VET providers, and the education system, with the involvement of policy makers. As part of the European Vocational Skills Week 2020, local, regional, and national organisations from the EU and beyond hosted virtual events and activities, emphasising the benefits of VET and its crucial role in lifelong learning.



3. Events attended due to their importance and relevance and content to be considered within EDDIE.

The third category targeted the following events: Innovations for operating power systems with increasing shares of variable renewables (Webinar), Pact for Skills – support for upskilling and reskilling under Erasmus+. Seminar Pact for Skills. Blueprint Sector Skills Alliances 2017-2020, "Skill Building for the Energy Transition", "Remote Testing & EIRIE Platform", Launch of the New Manifesto for Enhancing Digital Competences across Europe, EURASHE 30th Annual Conference - Professional Higher Education and sustainable development: creating a change that endures, Power Summit 2021 – Electric Decade, 4th E.DSO-ENCS-ENTSO-E Webinar on Cybersecurity “Enhancing our grid resilience”, Workshop on Analyzing and Comparing VET Qualifications, SEFI Annual Conference 2021, “The Truth about Sector Coupling”, Conference - Flexibility: The enabler for a clean energy future?, 3rd Coordinet Stakeholder Forum – Roadmap for a Green Deal fir market design.

4. Scientific work and publications.

A scientific article, [Photovoltaics Enabling Sustainable Energy Communities: Technological Drivers and Emerging Markets – Energies Journal \(MDPI\)](#), has been published by the NTUA partners in 2021. It investigates the economic benefits of an energy community investing in small-scale photovoltaics (PVs) when local energy trading is operated amongst the community members. The motivation stems from the open research question on whether a community-operated local energy market can enhance the investment feasibility of behind-the-meter small-scale PVs installed by energy community members.

Further, partner POLIMI published [The Role of MOOCs in the New Educational Scenario: an Integrated Strategy for Faculty Development](#). This publication proposed a way to support teachers in integrating MOOCs in the learning experience, and Politecnico di Milano has launched a series of online training paths for faculty development, offering a series of stimuli and tools useful to redesign

learning and teaching experiences by enhancing the coherence between learning objectives, assessment methods and active learning experiences.

The last publication of EDDIE project is [Supporting Regulatory Measures in the Context of Big Data Applications for Smart Grids](#) by CRE partner. Since the energy sector is certainly the one in which historical data on the operation of energy systems have been collected to a large extent over time. Moreover, the trend and dynamics of digitalization consolidate this positioning of the energy sector toward big data and the exploitation of this huge potential. EDDIE project seeks for new trends such as digitalization in supporting smart grid processes by adopting and implementing data-driven solutions also generates new actor profiles such as solution integrators, aggregators, and others who play key roles in this context of energy transition.

5. EDDIE international advisory board meetings.

The International Advisory Board (IAB) plays a key role as an independent external quality consultant for the project strategy, actions, and assessments, and also providing requirements and inputs on goals and issues, monitoring project milestones and providing final feedback on results and future expectations in other sectors and other blueprints. Deliverable 7.4 addresses the first three IABs that usually highlights the most important and relevant topics for the current state of the project, best practices in education, blueprint strategy, stakeholder database, best practices in education and dissemination activities tailored for EDDIE stakeholders.

6. Plan for future events.

The stakeholder analysis – and therefore the database of stakeholders – is under definition and construction for the practical uses of the Blueprint. The way to store, update and access the information about stakeholders must, of course, be efficient and compatible with data protection standards. With respect to the contents and structure of that information, the database is designed to provide relevant information for the public, and private information for the entities that will be part of it. The platform will provide to its members a lot of activities and possibilities of interaction such as research, consulting, training, sponsorship, validation, certification, dissemination, hiring, etc. It will become a marketplace for: research and events, jobs, training programmes, training contents, resources, services, tools, and systems, etc. A first event envisioned for 2022 will showcase this marketplace and will invite all the stakeholders to be part of the web portal, providing services for all the groups in the digitalization of the Energy Sector. Different types of services will be analyzed separately, to determine their level of feasibility, sustainability, and overall impact.

Numerous events were organized and attended in the first two years of the project with the purpose of communication and dissemination the most relevant results and conclusions about the ongoing project work. EDDIE has created awareness of the ongoing work for skills gaps identification, best practices in the field but also to the strategy definition for the long-term objective to help create a highly skilled workforce. Furthermore, EDDIE has created awareness of the project technical work and has disseminated the results through the organization and participation in numerous targeted events (workshops, scientific and technical conferences, exhibition fairs etc.) and has planned even more aiming at pushing ahead the sharing of knowledge and ideas and at driving the dialog with the different target audiences.