

Summary of D7.3 – Report on fostering support for the project results

Deliverable D7.3 – This report underlined an assessment of interactions between stakeholders and the synergies that were created within the project. Also describes open discussions, facilitate collaborations and to spark innovation in the education for digitalization of the energy sector domain. The activities organized in the first 36 months of the projects includes 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).

D7.3 – Fostering support for the project results highlights the activities carried out by EDDIE consortium to increase the project impact and relevance, to disseminate the achieved results among relevant stakeholder 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 deliverable is a major outcome of Tasks 7.2 and 7.4 but has received contributions from all the tasks associated with WP7, whose overarching objective is to maximize the scientific, industrial, educational and societal impact of the project by creating awareness of the sector skills strategy, 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.

This report 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 first 3 years of project implementation. These actions 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 anticipate and contribute to meet the skills' demands for the sustainable growth and digitalization for the European Energy sector, becoming therefore the main observatory for this area of interest as supported by the European Commission. 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 objective of this deliverable is to report about all EDDIE communication, dissemination and events that took place in the first 36 months of the project, for whose organizational and logistical enabling has been coordinated by CRE within all tasks. It starts describing the dissemination framework adopted in the project, the exploitation results associated with the different WPs established in the project as well as mentioning its contribution to the EU related objectives.

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 focuses on exploitation and sustainability of the project. Within this WP has been organized activities 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.

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), documents summaries for all the results and research assessments, press releases and contributions within the EU context. Another important tool that will be used is the development and organization of educational activities aiming to demonstrate the feasibility and materialization of the sector skills strategy for the digitalization of the energy value chain while training professionals with new skills to manage the new context of energy systems.

The impact objectives of all the activities on promoting EDDIE results, assessments and research work can be sorted in multiple groups based on different target audiences:

- **Fostering support towards relevant stakeholder 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.
- **Fostering support 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 peer-reviewed 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.
- **Fostering support 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.
- **Fostering support 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.

- **Fostering support 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 long-term objective of EDDIE is to help create (and continuously maintain in a sustainable way) a highly skilled workforce available for:

- **The improvement of the competitiveness of the European Energy Sector, within its transition as established in the framework of the European programs Fit for 55 and RePower Europe.**
- **The harmonization of processes for an accurate and successful digitalization.**
- **A smart, inclusive and sustainable growth.**

Stemming from the development of the Sector Skill Strategy of the EDDIE project and its different elements, the trial site demonstrations are being designed to test the applicability and relevance of the results. In this context, five different pilot sites in Aachen, Athens, Milan, Cologne, and Madrid are set up with 17 different piloting activities. Overall, a broad target audience is addressed, and different program types are tested with the pilot sites to investigate a wide range of BSDE parts. An overview of the different piloting sites is in the table below. In addition, each piloting activity is briefly described in this deliverable. For each of the trial sites, for the next year of implementation, videos will be produced, press releases, summary documents, and dedicated events to promote the trial sites.

EDDIE contributions to the EU context lies within *The pact for skills, CEDEFOP Skills portal and Digitalising the Energy System – EU Action Plan*. These interactions were detailed in the deliverable highlighting the EDDIE role and contributions.

Moreover chapter 5 includes the activities that have been organized by the consortium or events where the partners participated in, such as **Events where EDDIE project has been presented** (we can include here “*THE EUROPEAN GREEN DEAL: SMART GRIDS AT THE CENTER (webinar)*”, “*EDDIE at The First International Online Video-Conference On Energy T&D Networks*”, #*Erasmus Days*, “*Strengthening Education for Sustainable Energy Transition & Digitalization (Stakeholders Consultation Webinar)*”, *IEEE International Forum on Smart Grids for Smart Cities (Virtual Forum)* “*Skills for the twin green and digital transition. – EUSEW 2022 Extended Program*”, *ENLIT Europe and much more*), **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, European Vocational Skills Week, 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, Energy Education in the Future, Romanian Energy Day – 11th Edition – Repowering the European Energy Sector, Grid Service Market Symposium, Archimedean Sandbox program, The Factory 4.0 Expo Conference – 3rd edition, RWTH Science Night.) and **Events attended due to their importance and relevance and content to be considered within EDDIE** (Digital Education Stakeholder Forum, Automotive Sector Skills Blueprint projects underpinning an EU-wide long-term cooperation, Raising the uptake of renewables by DSOs, European Vocational Skills Week 2022, Shaping the EO*GI Skills of the Future, UNESCO World Higher Education Conference 2022, EU Green Week 2022, Networking Event for Pact for Skills Members, InnoGrid 2022 - Mission Acceleration, Power Summit 2022 - Game Changers, EDULEARN22 International Education Conference, Digitally Enabled Renewable Energy Communities: The role of Citizens in the Clean Energy Transition, Is Open Source the Next Big Thing in Electricity Distribution?, 2022 Edition of the European Week of Regions and Cities, Participatory lab: Regions tackling Skill Challenges for the Green and Digital Transitions under the Pact for Skills, Repowering Europe for a Sustainable EU Strategic Autonomy, Posting of Workers: the role of National Authorities in the Enforcement of the Rules, 16th SET Plan Conference - Towards a new Strategic Energy Technology Plan, 2022 Forum on Vocational Excellence, A Multi-Scale Calibration Approach For A Digitalised Energy System, 5th E.DSO-ENCS-ENTSO-E Event on Cybersecurity “European Energy Grids’ Security in a Radically Changed Landscape, E.DSO TF1 Go4Flex Workshop.

In addition, the scientific work is presented as an article *Photovoltaics Enabling Sustainable Energy Communities: Technological Drivers and Emerging Markets* – Energies Journal (MDPI), published by the NTUA partners in 2021. Further, partner POLIMI published *The Role of MOOCs in the New Educational Scenario: an Integrated Strategy for Faculty Development*. The last publication of EDDIE project is *Supporting Regulatory Measures in the Context of Big Data Applications for Smart Grids* by CRE partner.

EDDIE international advisory board meetings were summaries in this deliverable as 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 7.3 addresses all those fifth 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.

Plan for future events. 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. The future employees will help improve of the competitiveness of the European Energy Sector, the harmonization of processes for an accurate and successful digitalization of the sector and for a smart, inclusive, and sustainable growth. All the activities were aimed at collecting feedbacks and inputs from stakeholders and advisory board members during the organization of dedicated events and from the interaction with representatives of European institutions.

Various EDDIE partners participate actively to high level EU initiatives like the DG Energy meetings, and to several working groups of the ETIP-SNET platform (European Technology and Innovation Platform Smart Networks for Energy Transition). This commitment not only helps us to get visibility for the project but enables a fruitful exchange of experiences and ideas between EDDIE and other Erasmus+ funded projects, institutions, and policy makers at the European level.

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.

EDDIE is developing the sector skills strategy for the Digitalization of the Energy value chain (BSDE) based on sustainable cooperation among key industry stakeholders' groups, training providers, social partners, and public authorities. The blueprint will match current and future skills demand and supply adapted transnational contents, tools, and methodologies from education and training providers.



info@eddie-erasmus.eu