

D-EWI PRESS RELEASE

D-EWI: An innovative digital training course for the European Welding Inspection Workforce

The D-EWI project was an Erasmus+ project that gathered a group of 8 partners from across Europe, with the aim of providing innovative digital training materials in common.

The D-EWI Project main objective was to offer a training solution that could be attended by the people, in parallel with their daily work, in the field of welds inspections. Now, with two years ahead from the beginning of the project, this initiative is reaching stakeholders across Europe and the results of the project are being shared and ready to be implemented, supporting important stakeholders, as trainees, trainers and companies in the field of Welding Inspection.

Being one of the main goals of D-EWI project, the preparation of digital training materials for the European welding inspection workforce and ensuring that trainers were being trained and prepared to deal with innovative and digital tools, the partnership implemented a roadmap of activities, started with the Guide for Teachers and VET Trainers on Implementation and Usage of E-learning Digital Tools. Before starting the preparation of the new digital contents, partners were able to perform a capacity building where the features of the platform Moodle were explored and demonstrated. All partners prepared a set of interactions to feed the Testing Moodle, with hands-on examples and exercises, this was a very important initiative once it allowed partners to get to know with the opportunities and the challenges of the Moodle platform.

Being presented to the platform and having prepared the guide for trainers, the partnership developed depth and new digital training materials for the International/European Welding Inspectors. An important milestone was reached at this point, with the second Learning, Teaching and Training Activity, with partners testing the materials developed. Finally, an analysis on the state of the art of the guidelines and other operational procedures of the EWF/IIW system were conducted, with the aim of identifying the eventually gaps in the implementation of the Blended Learning.

The first semester of D-EWI was dedicated to the preparation of a user **Guide for Teachers and VET Trainers on Implementation and Usage of E-learning Digital Tools**. This guide, led by University of Miskolc provides a comprehensive overview of educational innovation, focusing on key areas such as educational technology, pedagogy, accessibility, and openness. Chapters delve into topics like improving the effectiveness of learning through understanding generational differences, essential skills, and teaching methodologies. Additionally, innovative tools for synchronous and asynchronous online learning support are explored, including video-conferencing platforms and collaborative whiteboard applications. The guide also includes a quick guide for Moodle, introducing readers to its functionalities and roles. With references and useful links provided throughout, this book serves as a valuable resource for trainers seeking to improve their teaching methods and adapt to modern learning environments.

The end of the first semester coincided with the first Learning, Teaching and Training Activity. University of Miskolc host the partnership and during a week, partners were able, not only to validate the work done with this first semester, but also to explore and deal with the features and the challenges of Moodle platform. A test course was prepared by all partners, as a hands-on exercises and group dynamics were experienced by testing this platform.

By that time, with a comprehensive user guide that supports the implementation and adaption of trainers to the digital tools being launched, and with the first-person experience in performing with Moodle, partners dived in the preparation of new training materials to address the preparation of the Blended Learning course for International/European Welding Inspectors

It was prepared not only the Training Manual in a digital format, but also the presentation tools and innovative videos were prepared to be to be performed in the Moodle.

The E-learning Educational Materials on:

[Quality Assurance/Quality Control in Inspection](#)

[Testing of Welds and Reporting](#)

[Practical Work on Testing](#)

As part of the learning process, assessment was as well a relevant activity for the course. Following the system very well implemented all-over Europe, a bank of new assessment questions was prepared, to follows with the training materials.

As the project was getting shape, the last semester was dedicated to test the training materials, but also to conclude on the review of the Blended Learning guidelines and Operational Procedures that supports the implementation of the International/European Welding Inspectors qualification. A comprehensive analysis was performed, led by IIW.

Along with the D-EWI development, a set of four national multiplier events were organised in Romania, Hungary, Spain and Italy. The aim of this national multiplier events was to present the achievements of the project at national level and gather feedback from potential end-users and stakeholders. A total of 130 participants in these national initiatives were able to be presented to the D-EWI outcomes and give feedback to the project.

At the very end of the project implementation, the European Conference, organized in Lisbon took place, embedded in a workshop that integrated other initiatives on the topic of green and digital transition.

The D-EWI project were showed, and the outcomes of the project were presented to an audience of people coming from around Europe. In addition, this multiplier event was registered and performed under the umbrella of the European Year of Skills 2023, an initiative from the European Union to raise awareness for the skills adjustment. At the European Conference, the 43 participants that attend the D-EWI project rated this initiative with 8 out of 10 regarding the overall satisfaction and assessment. The participants that attend the conference were representing Training centers, EWF's member and network, higher education organizations and other industrial stakeholders. During the event they were able to get to know the D-EWI and reflect upon the relevance of digital training materials and the importance of blended learning, in order to support the overcome of skills gap and labour market needs.

D-EWI efforts is now to continue spreading the work done, inspiring trainers and trainees to embed digital tools in training.

D-EWI is an Erasmus+ funded project and represents the efforts to create and to implement innovative and digital training materials on Partners' countries' VET Systems and beyond, while enhancing trainees' motivation and engagement to learn about the D-EWI Moodle course.

Project partners

Our Partners

The consortium includes organisations with a broad experience in ERASMUS+ funded projects. The project coordinator is **ISIM Timisoara** (<http://www.isim.ro/home.htm>) a Romanian center of scientific and technical competence in the field of welding and material testing. The **European Federation for Welding, Joining and Cutting** (www.ewf.be); **ISQ – Instituto de Soldadura e Qualidade** (<https://www.isq.pt/>), a provider of scientific and technological support in Industry and Services; **IIW – International Institute of Welding** (<http://iiwelding.org/iiw-in-short>), the largest worldwide network and centre of reference for welding and allied joining technologies; **IIS - Istituto Italiano della Saldatura** (<https://www.iis.it/en>), an Italian group that operates for the purposes stated in the Articles of Association of spreading knowledge in the field of welding; **CESOL - Asociación Española De Soldadura Y Tecnologías De Unión** (<https://www.cesol.es/>), a non-profit company in the service of welding and other technologies union; the **University of Miskolc** (<https://www.uni-miskolc.hu/en>), a University from Hungary; and **Brandware Media SRL** (<https://brandware.ro/>) a Romanian web development company.

About the **D-EWI Project**

WWW.D-EWIPROJECT.EU



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