DIGIGREEN

IMPROVED WORKFORCE TO SET TRANSITION FROM MANUFACTURING TO DIGITAL GREEN FABRICATION

Project Number: 2021-1-RO01-KA220-VET-000028028

3rd NEWSLETTER (August 2023)

Transnational Project Meeting and Learning, Teaching and Training Activity

The Transnational Project Meeting (TPM) #3 and the Learning, Teaching and Training Activity (LTTA) #2 partners were focus on closing the curriculum to improve skills and knowledge into Blue Collar Workers and White-Collar Workers, in a greener and digital industry. Also, important steps are being taken to promote the Digital tools and data for training and assessment.

Preparing the Digital and Green transition for the manufacturing and improving the workforce to set this transformation is one of the goals in DIGIGREEN project.
In the LTTA#2 the highlight topic was on Emergent Technologies and Industry 4.0 as well as Green and Digital technologies for the next manufacturing. University of Lisbon, University of Craiova, and EWF prepared valuable presentations to support the work for the next months in the scope of DigiGreen.

In TPM, apart from the follow up and planning for the next semester, European Welding, Joining and Cutting (EWF) presented the status of activity in PR2 and the files uploaded in AdminProject platform. It was made a detailed description of these files, including the "DIGIGREEN PR2 Report" which was approved by all those present, as well.
University of Ljubljana (UL) made a presentation of e-book, which will be written in 2 volumes and is one of the project results in PR3 and also proposed several assessment methods for the intended goal in the e-book.

In the framework of the DigiGreen project, researcher from the ASR, together with the project partners, visited Contitech, and had the opportunity to network and see on place valuable examples of good practices in the frame of Digital and Green in manufacturing.

DIGIGREEN Project

Project Result 3 - Digital tools and data for Training and Assessment

In the scope of 3rd transnational project meeting in Timisoara, Romania during the 22 and 23 May 2023 a status of development of PR3 was presented. The topic was additionally discussed, and guidelines were set for future work regarding the PR3. We introduced the new e-book series to unlock the potential of digital and green transition. This two-volume e-book collection is designed to support trainers, trainees and early leaving school persons in the manufacturing industry, providing a comprehensive guide to digital literacy.

The first volume of the e-book will have the title: »**Digital Literacy for Trainers, Trainees, and Early Leaving School Persons: How to Train the Latest Manufacturing Technologies on Digital and Green Fabrication**«.

Volume 1 is comprised of ten chapters which start with general aspects on what data is, what is a file, file extensions, conversions, CNC and robotics programming languages. Next are the general aspects on sustainable fabrication answering the questions such as: what pollution is, types of pollutants, measurement of environmental parameters, etc. The following chapters each touch on specifics on digital and green transition for the most important fabrication technologies, ranging from machining and forming, injection moulding, joining and surface conditioning to additive manufacturing.
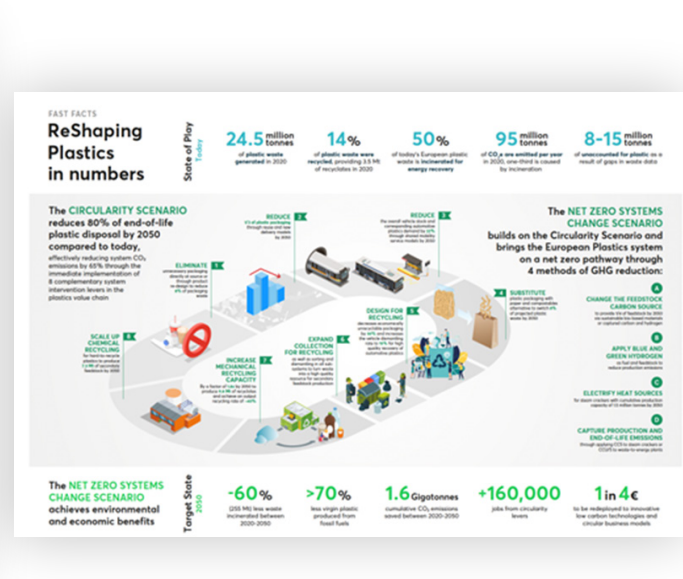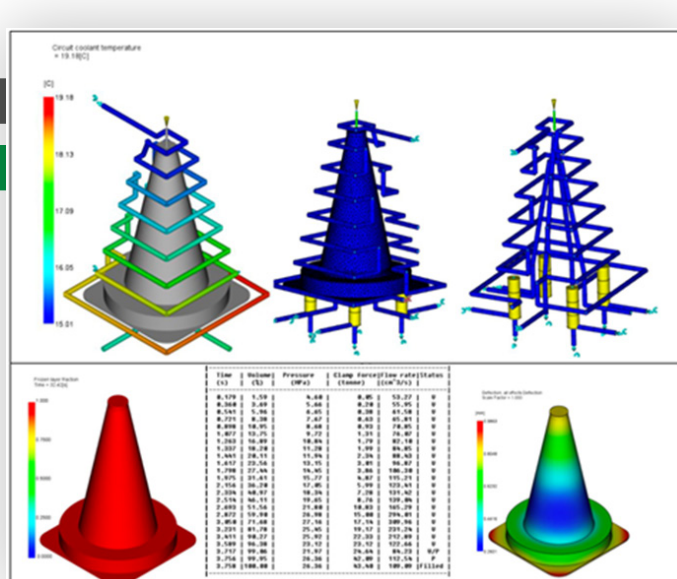
Last two chapters of Volume 1 define and explain the structure of a micro-course and a webinar and give in-depth information regarding organization of micro-courses and webinars. This chapter touches upon 15 micro-course and webinar topics.

The second volume of the e-book will have a title: »**Methodologies of Assessment Customized for Microlearning and Webinar Training Methods**«.

Volume 2 is aimed at trainers and includes methodologies of assessment for microlearning and webinar training methods. It includes assessment types for micro-courses and webinars, ranging from oral, such as group discussions and debates to essay style exams, game-based learning, quizzes, simulations, and problem-based learning. All these assessment types are additionally supported by examples from the most important fabrication technologies.

DIGIGREEN Next Project Activities

As we enter the final semester of the project, we are delighted to share the exciting developments taking place. The enthusiasm among our partners is palpable as we plan for the next steps.

After the summer break, partners will show the Project Result 3—a milestone achievement. This release consists of two e-books specifically designed to support industries in their digital and green transition:

• "**Digital Literacy for Trainers, Trainees, and Early Leaving School Persons: How to Train the Latest Manufacturing Technologies on Digital and Green Fabrication**"
• "**Methodologies of Assessment Customized for Microlearning and Webinar Training Methods**"

We are thrilled to announce that our higher education partners in Slovenia, Romania, and Portugal will organize engaging hands-on seminars, for the last trimester.

At the same time, as we approach the project's end, we are eagerly preparing for the final Transnational Project Meeting and the Learning and Teaching Activity dedicated to training and assessment methodologies for microlearning and webinars. Hosted by EWF, this event promises to be a culmination of our collective efforts and a platform to share valuable insights.

Furthermore, we are excited to announce that the European Conference, scheduled for November 20th in Lisbon, will serve as both a celebratory conclusion to our project and a platform for disseminating key findings and outcomes achieved through DigiGreen.

DIGIGREEN PROJECT PARTNERS

www.digigreen.erasmus.site