TAB4BUILDING NEWS

TRAINING FOR ARCHITECTS AND BUILDERS IN THE USE OF COMPOSITES FOR THE BUILDING SECTOR

IN THIS EDITION

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SHORTLY ABOUT THE PROJECT

Fiber-reinforced plastics (FRP) are advanced materials that combine different kinds of polymers with various fibers such as glass, carbon, aramid, etc., resulting in stronger and more flexible properties. Construction is the main consumer of FRP and its use is increasing. The advantages of FRP over traditional building materials are lighter weight, excellent resistance to corrosion androt resistance, higher durability, lower life cycle costs, lower CO2emissions, and design freedom. The need to achieve the mostdurable and lightweight structures possible has increased thecommitment to the construction industry. Few professionals and companies have the necessary knowledge about FPR. In Europe, there is a shortage of specialized construction professionals with the appropriate knowledge of FPR. There is a need for the whole value chain to know the usability and workability of FRP.

Project website

Project duration : 1.10.2021 - 30.9.2022
Project number: 2020-1-PL01-KA202-082224

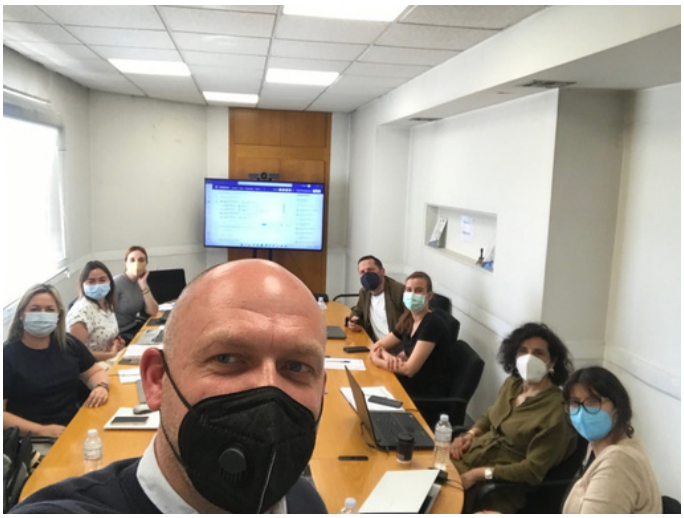
LATEST NEWS FROM US

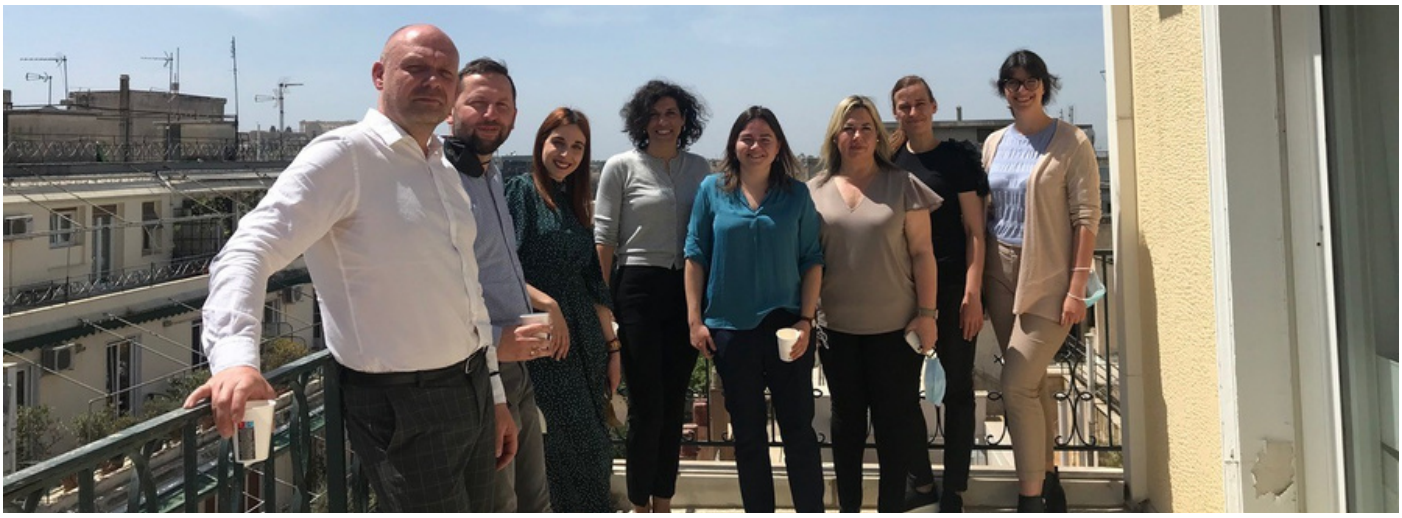
4TH PARTNER'S MEETING IN ATHENS WAS FIRST FACE TO FACE ALL PARTNER'S MEETING IN THE PROJECT, 28-29 APRIL 2022

After the Covid-19 restrictions partnership was able to meet in person for the first time. On 28-29 April 2022, we held a partner's meeting in Athens where we discussed project progress and future steps, focusing on upcoming Moodle finalization and piloting of the developed training content and tools. We much enjoyed the relaxed atmosphere of meeting in person, while representatives of Austria and Spain were present via internet connection.

In the project we are now finalizing the Professional Profile Maps, Modules 3 and 4 of the online training Moodle, preparing national piloting of the Moodle for Modules 1 and 2 that are already developed, and in the fall national multiplier events.

After two-day meeting partners were informed, motivated, and eager to continue the work, even though the Covid-19 crisis did some damage we are now in full swing to catch all the delay that was made at the beginning due to the restrictions. We are looking forward to showing you the rest of the results very soon!





Photos: Tab4Building

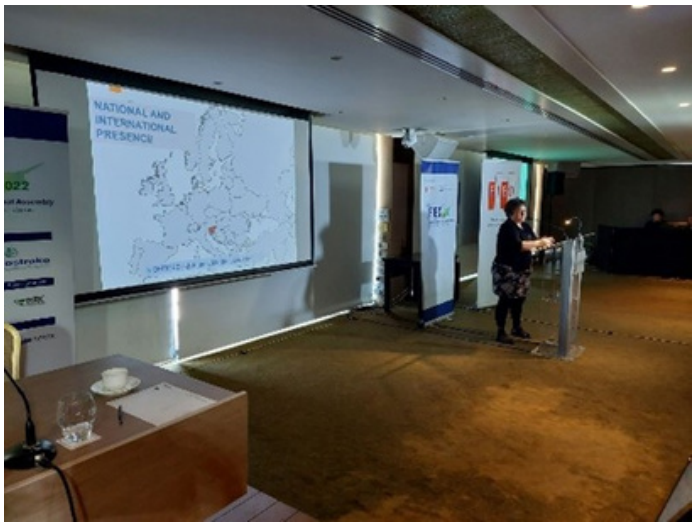
TAB4BUILDING AT THE 113TH FIEC CONFERENCE IN CYPRUS, 13TH MAY 2022

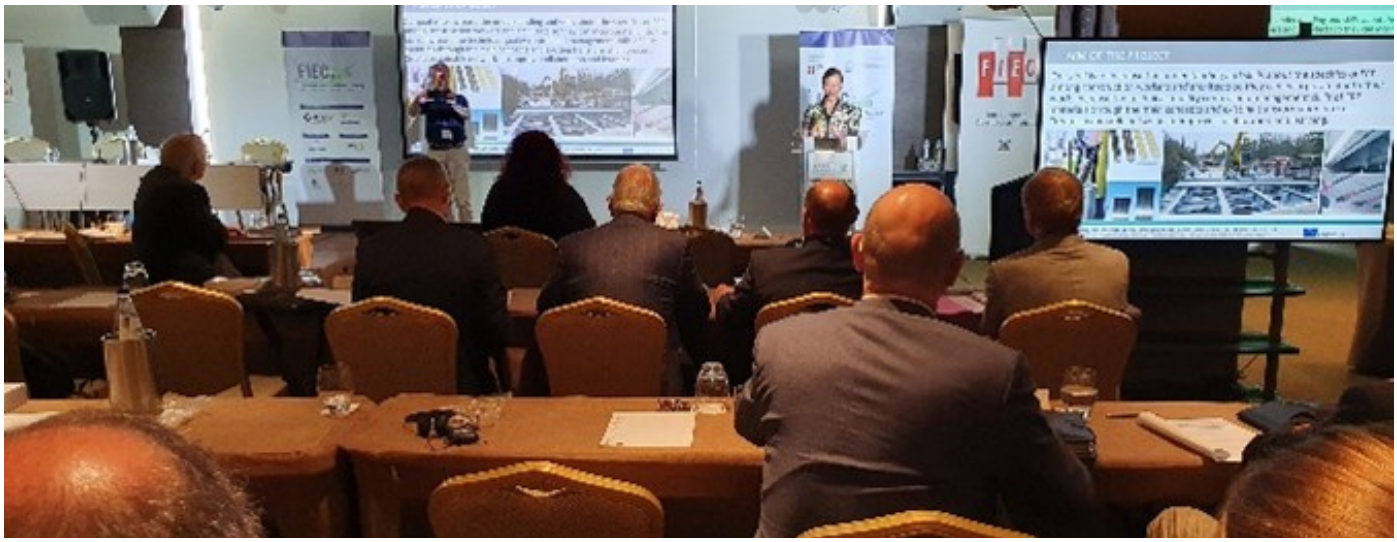
After two years since the last FIEC (European Construction Industry Federation) General Assembly was held, the 113th Conference and General Assembly Meeting was organized in person again in the beautiful city of Limassol, Cyprus.

In the context of its 2022 General Assembly meeting on 13 May, FIEC organized a conference on the issue of Sustainable Construction to tackle climate change. At the event, Ms. Valentina Kuzma, representative of project partner Chamber of Commerce and Industry of Slovenia presented the current and future possible use of fiber-reinforced polymers in the industry, and Ms. Alenka Mauko Pranjić, Ph.D., from the Slovenian National Building And civil engineering institute presented circular aspects in the Slovenian construction industry as researched and developed in many European projects.

We were very honored to be able to present the Tab4Building project and the use of FRPs in the construction industry and the circularity of the construction sector to such a prominent audience.

More about the event.

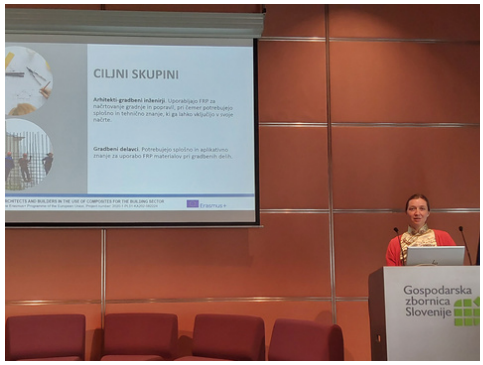




Photos: CCBMIS

NATIONAL MULTIPLIER EVENT IN SLOVENIA, 13TH MAY 2022

At the Expert consultation on The Future of Investment, Consulting Engineering in the investment process, organized at the Chamber of Commerce and Industry of Slovenia, more than 110 experts in the construction industry were informed about the Tab4Building project, its Moodle tool delivered, and the use of FRP in the construction sector. We are happy that construction engineers, that were the majority of the audience, accepted the idea of FRPs being used in the construction sector as a possible, yet challenging. More about the event.



Photos: CCBMIS

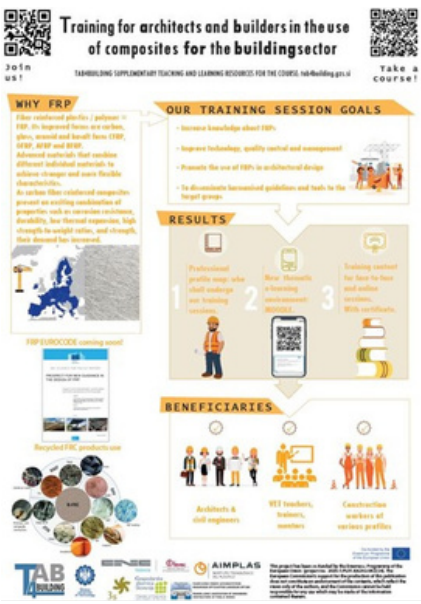
HOW TO BUILD AND RENOVATE TO MEET THE OBJECTIVES OF THE EUROPEAN GREEN DEAL, 12TH OCTOBER 2021

The Chamber of Commerce and Industry of Slovenia organized an online event to highlight the opportunities and challenges of the design, development, and use of composites in construction and architecture (exterior and interior). The event was held on 12th October 2021 with a distinct line of speakers coming from **Europe** and **the United States of America**. Environmental acceptability, availability, recyclability, recyclates, cost-effectiveness, development of new materials, and the opportunities that we have in Slovenia and Europe were discussed at the event. The latest results of Slovenian and European research institutions in the field of the use of FRP and FRP recyclates in construction and the practical challenges in the use and production of FRP building materials in the Slovenian construction industry were presented. Tab4Building project was presented as part of the development of competencies and human resources in the Slovenian education program.
Link to the webpage and the event

INFOGRAPHIC ON PROJECT CONTENT PREPARED IN NATIONAL LANGUAGES

By clicking on the picture you can access the pdf EN version of the infographic. For other languages click on the text below.

Slovenian version | Greek version | Polish version | Spanish version | German version



PILOTING OF MOODLE TAB4BUILDING TOOL IN SLOVENIA, 24TH-26TH MAY 2022

In collaboration with the Slovenian Faculty of Civil and Geodetic Engineering from Ljubljana, the project's partner Chamber of Commerce and Industry of Slovenia organized the piloting of the Moodle training on Fiber-reinforced polymer usage in the construction sector on the 24th and 26th May 2022. We presented Module 1 and Module 2 to 15 construction engineers still in the schooling process. We are eager to see the feedback these students will provide us with after the trial testing phase. We thank Mr. David Antolinc, assist. Ph.D. from the Faculty of Civil and Geodetic Engineering from Ljubljana for this collaboration.

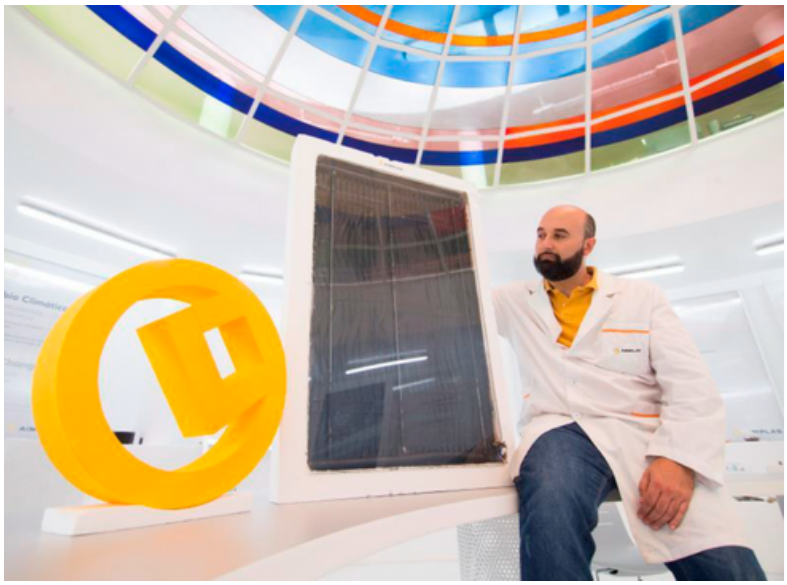
OTHER NEWS

WE ARE LOOKING FOR SMART MATERIALS TO PREVENT HEAT BUILD-UP IN CITIES

Aimplas, Instituto Tecnológico del Plástico, and ITE (Instituto Tecnológico de la Energía) lead the Habitatge_2020 project, which is funded by Ivace (Institut Valencià de Competitivitat Empresarial). The aim of this project is to develop new construction solutions to improve the energy efficiency of buildings and cities in order to reduce the heat generated by them.

To achieve this, new advanced materials and management and digitalisation tools are being developed. Specifically, Aimplas is working on new highly conductive polymers for their integration in solar collectors and cold pavements, as well as on foams that allow CO2 capture for their installation in green facades and urban furniture. ITE is working on advanced systems for the generation and storage of energy produced by renewable sources as well as on the digitalisation part through an analysis of energy requirements and a digital energy twin of buildings to optimize the control and management of the energy balance.

More here.



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