

NEWSLETTER

Issue:1 2021



SUSTAIN-CE

Integration of Sustainable Design and Circular Economy Concepts in Civil Engineering Curricula

SUSTAIN-CE IN NUMBERS

Implementation
November 2020-June 2023
Total Budget
254.412,00 €

3 focus groups
3 training academies
3 multiplies events
6 new modules/courses
>60 people trained
1 Virtual Learning
Environment Platform

WHAT IS SUSTAIN-CE?

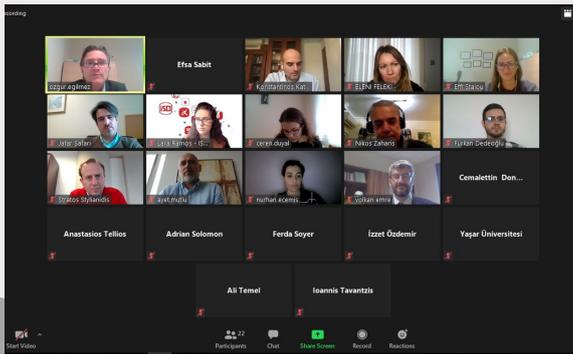
SUSTAIN-CE: Integration of Sustainable Design and Circular Economy Concepts in Civil Engineering Curricula is an Erasmus+ KA2 Strategic Partnership project (2020-1-TR01-KA203-093522).

SUSTAIN-CE Project will attempt to enrich the contemporary civil engineering undergraduate programs' curricula by incorporating sustainability and circular economy concepts in various stages of the design courses.

TIMELINE



SUSTAIN-CE Kick-off Meeting



On December 14, 2020, the Kick-off Meeting of SUSTAIN-CE project took place online. All six partners; Yaşar University, Izmir Institute of Technology, Aristotle University of Thessaloniki, South East-Europe Research Centre, ISQ and Folkart, representing academia, research and industry, from three different countries; Turkey, Greece and Portugal, came virtually together to start a 32 months lasting collaboration!

CONTEXT

SUSTAIN-CE project will develop an undergraduate civil engineering curriculum that covers sustainable infrastructure design to ensure graduates have the ability to apply concepts and principles of sustainability to the solution of complex civil engineering projects. In order to achieve this objective, SUSTAIN-CE will lead to and test innovative curricula in Turkey, Greece and Portugal by blending context-specific driven skill gap mitigation with globally benchmarked practices in true co-creation with industry, industry associations, policy makers, end-users and academia.

The Impact of SUSTAIN-CE

- **For university students from civil engineering and architectural backgrounds**

Acknowledge the importance of sustainable design of civil engineering structures and assimilate sustainable development as a principle guiding many choices each engineer makes every day.

- **For HEIs' civil engineering departments and Research Institutes**

Integrate the recommended course syllabi and training deployment methods into the existing curricula, gain a significant competitive advantage over the counterparts on EU scale.

- **For civil engineers and architects working in design and construction**

Acquire a significant competitive advantage over the fellow engineers on a pan-European scale.

NEXT STEPS

Focus group meetings with local stakeholders in Turkey, Greece and Portugal.

First Training of the project "Train-the-Trainers Lab" will be held in Thessaloniki, Greece.

Follow us to stay updated on the project news & events!

Web: sustain-ce.yasar.edu.tr/

Twitter: @sustaince_eu

Facebook: @sustainceeu

Linkedin: EU Project SUSTAIN-CE

WHO ARE THE PROJECT PARTNERS?

YAŞAR UNIVERSITY (TURKEY - COORDINATOR)

<https://www.yasar.edu.tr/>



Yasar University is a foundation university, located in the city of Izmir, on the Mediterranean coastline. Established by one of Turkey's leading industry groups, Yasar Holding, in 2001, the university is committed to a unique student-centered experience through its personal approach and welcoming environment, and supporting its students in developing the right skills and competences to be highly employable. The university offers English-medium, high quality education in bachelor's, master's and doctoral degrees, in an ideal environment for research, personal development and learning, by its 9 faculties, 2 graduate schools, vocational school, EU Research Centre, Open and Distance Learning Centre, Knowledge & Technology Transfer Office and Continuing Education Centre. Collaborating with more than more than 300 partners world-wide, the university places importance on developing its international role, in line with its local engagement within Izmir and the Aegean Region.

IZMIR INSTITUTE OF TECHNOLOGY (IYTE) (TURKEY)

<https://en.iyte.edu.tr/>



IYTE was established in 1992 and organized across three primary faculties in science, architecture, and engineering. It offers 18 undergraduates, 25 master's, and 17 doctorate programs with over 5100 students and 932 faculty and staff. The current undergraduate to graduate student ratio of the institute is about 2.5. Education language is English, attracting many international students and scholars. The campus is located in the third-largest city, Izmir, in Turkey and lies on the Aegean coast. IYTE has taken on a mission to carry out advanced research, education, and production as well as publication and consulting in the field of science and technology. As the single Institute of Technology in Turkey, it has already built a strong reputation. IYTE is among the third-best research universities in Turkey, and it is the most enterprising university in the Aegean Region. It is an associate member of the European University Foundation.

ARISTOTLE UNIVERSITY OF THESSALONIKI (GREECE)

<https://www.auth.gr/uni/>



The Aristotle University of Thessaloniki is the largest university in Greece. About 88.283 students study at the Aristotle University, 77.198 in undergraduate programmes and 6.588 in postgraduate programmes. The main campus is located in the centre of the city of Thessaloniki, and covers an area of about 33.4 hectares. It comprises 10 faculties which consist of 40 schools and 1 single-School Faculty. Some educational and administrative facilities are located off campus for practical and operational reasons. A number of these facilities are located outside the city of Thessaloniki or even in other cities.

SOUTH-EAST EUROPEAN RESEARCH CENTRE (GREECE)

<https://www.seerc.org/new/>



SEERC is a research centre of CITY College, University of York Europe Campus, established in 2004 as a non-profit legal entity in Thessaloniki. It is conducting multidisciplinary research in the fields of Enterprise, Innovation & Development, Information&Communication Technologies, and Society&Human Development. SEERC's mission is to support the stable and peaceful development of South-East Europe by conducting pure and applied research in and for the region. SEERC also incorporates the European branch of the UK-based Advanced Resource Efficiency Centre (AREC) of the University of Sheffield which aims to provide a bridge of co-creation for academia, industry and government on the field of resource efficiency and environmental sustainability.

ISQ (PORTUGAL)

<https://www.isq.pt/EN/>



ISQ is a private, non-profit and independent technological institution founded in 1965, currently running operations in more than 40 countries across the world offering its experience in technical inspections, technical assistance for engineering projects, consultancy services and training activities supported by transversal research and development activities and by 16 accredited laboratories. ISQ conducts Research & Development of Innovation activities, promoting projects with national and international partners, from both public and private sector, aiming at continuous product and process innovation. ISQ is accredited for training services and training of trainers and is certified under Quality, Environmental and Safety management model.

FOLKART (TURKEY)

<https://folkart.global/en/>

FOLKART

Folkart was established by the Saya Group in 2006. Folkart is committed to utter customer satisfaction. It combines quality, taste and comfort, bringing a new perspective on luxury thanks to its exclusive architectural design. Folkart is forging ahead as an award-winning national and international company. It has a good reputation in the industry and ensures a high return on investments by building luxurious and comfortable structures equipped with superior eco-friendly and state-of-the-art technology. The company focuses on first-rate residential and office high rises, shopping malls, and school projects.