

Erasmus+ Project : T-Crepe
Textile Engineering for Cocreation paradigms in education

Ghent University's Centre for Textile Science & Engineering (CTSE) together with the department of Industrial Systems Engineering and Product Design (EA18) and three other European academic partners as well as 4 industry partners are partaking in a 3-year Erasmus+ funded Project named 'T-Crepe' (i.e., the acronym for 'Textile engineering for Cocreation Paradigms in Education') which kicked-off in November 2019. The core of T-Crepe is to stimulate co-creation-based learning (i.e., a design-based learning methodology) in Higher Education Institutes via the development of an innovative web-based platform.

Co-creation has well-recognised benefits; it enables identifying unique, latent needs and helps tackling problems - especially ill-defined ones. Co-creation brings broad as well as in-depth knowledge and skills. The approach incorporates the end-user and other valuable stakeholders, which ensures the solution is better supported by all parties and thus more effective. Co-creation cases often have a lot of market potential.

With a **web-based platform**, T-Crepe wants to support lecturers in implementing co-creation-based learning activities into their courses, saving coaching time and improving the effectiveness of the solution. Furthermore, commercialization of the solution is stimulated as the platform will have a strong focus on boosting students' psychological ownership, entrepreneurial behaviour and interdisciplinary partnership-building.



Fig. 1: The platform under construction

The online platform uses the approach of the British Design Council and will guide (student)teams through the co-creative process.

The platform incorporates a **gamified approach** with design tools, MOOC's and IT tools for textile design. In a first phase of the project, the input of relevant tools and games is in collaboration with academic and industrial partners. A second phase will consist of feedback and input from lecturers and students that will pilot test the platform.

If you are a lecturer of project-based courses or an industrial partner with an idea for a co-creation case, feel free to contact us via e-mail, our website www.t-crepe.eu or Facebook.

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