



Promoting academia-industry alliances
for R&D through collaborative and
open innovation platform - All4R&D

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SOLVING SUSTAINABILITY CHALLENGES WITH FRAME CREATION MODEL

Description of the innovative teaching practice

This innovative teaching practice collaborative learning, students work in teams on sustainability problems. The participants will have opportunity to explore new approach in solving open and complex everyday problems, using the unique frame creation model. The process will start with identification several relevant sustainability challenges with sessions where guest form industry and public institutions will be present. Though blended learning format the participants will understand the Frame creation model. Teams of 3-4 students will be made, working on realistic case study, developed from the identified sustainability challenges. The proposed solutions from each team will be presented at the end of this innovative teaching practice in a wider auditorium.

This innovative teaching practice is beneficial for students, because it offers methodology and transferrable skills that can be used in many different work and life situations.

The objective of the innovative practice:

- Solving real every day complex problems using Frame creation methodology
- Discovering new ways to view problems
- Archaeology — Deeply investigate the problem and earlier attempts to solve it
- Map the intellectual, cultural, and social 'space' that surrounds the problem
- Improve soft and hard skills

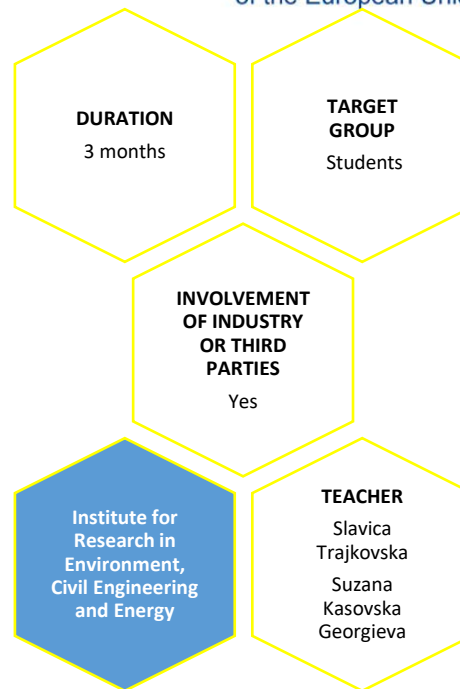
Skills to be acquired/ improved:

- **Hard skills – Conceptual/thinking skills:** direct impact on Critical thinking, indirect impact on Decision making and Research and managing data
- **Soft skills – People related skills:** direct impact on Communication and Interpersonal skills
- **Soft skills – Personal skills:** direct impact on Flexibility/adaptability
- **Business skills:** direct impact on Creativity/innovation and Dealing with real world problems, indirect impact on Multicultural awareness and Global business



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Methods and techniques

- Format - collaborative learning
- Techniques completed with individual work: self-assessment quiz
- Techniques completed in teams: case study, discussion forum, student presentations.
- Available resources via e-learning platform: articles, video materials, presentations, forum

Methods for assessment and evaluation of the practice

Methods for assessment

- Pre- and post- self-assessment
- Individual assignment
- Team presentations

Methods for evaluation

- Evaluation lists and feedback from students
- Testimonials and photos from students during implementation phase
- Feedback from involved professionals from industry and public institutions