The European Workshop: a course aimed at educating students to cross boundaries

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Abstract
The current problems engineers are facing are so complex that they require boundary-crossing skills, such as the abilities to change perspective, to cope with complexity and to synthesize knowledge of different disciplines or areas of expertise in a critical and creative way. This paper addresses how educational programmes at universities can better equip students to adequately cross boundaries and find sustainable solutions for complex environmental problems by giving an example of a course that has been offered for several years to master students at Wageningen University. In this course, called the European Workshop (EUW) thirty students with different disciplinary and cultural background work together on a consultancy project in a well structured way. Teachers’ and students’ reflections are used to analyze four key components which make up the didactic model of the EUW: the organizational ‘matrix structure’, a two week field-trip, a customized SharePoint website, and the facilitation role of the teachers. The paper concludes that the EUW as a didactic model to educate students to cross boundaries was very successful. It also showed how bridges and barriers can be overcome in an interdisciplinary project.

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