Course: E4S Energy Transition Field Lab: Intervention Design — credits: 10

Course code	ESVM24EFLD
Name	E4S Energy Transition Field Lab: Intervention Design
Study year	2026-2027
ECTS credits	10
Language	English
Coordinator	H.M. Moesker
Modes of delivery	Education
Assessments	E4S Energy Transition Field Lab: Intervention Design - Assignment

Learning outcomes

Objective of the module:

At the end of this module the student will be able to:

1. Compile an advice for energy communities to develop local energy collaboration and solutions
2. Form resilient energy communities based on multi-stakeholder perspectives
3. Co-develop spatial strategies for energy landscapes and support their implementation within the context of multi-stakeholder projects or initiatives,
4. Demonstrate knowledge and ability in identifying, instigating and / or organising the design of interventions for different components in the spatial domain of energy communities
5. Evaluate the significance of spatial contexts, assignments and interventions within the setting of energy transition and community development in the face of uncertainty.
6. Reflect upon the cultural value of energy landscapes within personal paradigms, actions, interactions and potential role in energy transition
7. Use and integrate various disciplines in order to handle complicated energy issues by offering legislative solutions or by avoidance of legal barriers by using alternative and multidisciplinary co -operation.
8. Critically evaluate, integrate and reflect on the complex governmental environment and provide clear judgements and validation relating to energy transition in energy communities taking into account the interests of stakeholders and the goals as set in climate treaties.
9. Develop an innovative future vision of the complex issue of energy transition in collaboration with stakeholders and communicate about this vision in an effective and convincing manner to professionals, non-professionals and academic audiences.

Content

Content of the module:

In the second semester students will work in a Living Lab. In the Living Lab students work on Energy transition projects, provided by professorships and/or external stakeholders.
In the module “Intervention design” students work on interventions to help the energy transition issues at hand. The interventions address relevant stakeholders and their interests, governance, spatial situations and local communities. Legal, political,social, economic, ecological and technological aspects are taken into account. The intervention is tested with relevant stakeholders and accompanied by a manual.

Included in programme(s)

Energy for Society

School(s)

Engineering, Life Sciences & ICT

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