



# SUSTAINABLE COMMUNITIES IN ENERGY TRANSITION, 60 ECTS

**INVEST SPECIALISATION STUDIES AT KARELIA UAS**  
1.9.2022 - 31.5.2023

As INVEST graduate in Sustainable Communities in Energy Transition, you will facilitate community-level renewable energy transition. You will deliver inclusive initiatives that address challenges of unsustainable practices and make community-specific proposals for accelerating a just energy transition.

The Renewable Energy sector has an essential role in mitigating carbon emissions and alleviating the effects of climate change, as well as supporting the regeneration of local rural economies. The sector needs skilled engineers and other professionals who can facilitate and promote energy transition.

## Competences

As INVEST graduate, you will be able to

- facilitate community-level renewable energy transition within national and the EU policy frameworks of sustainability
- deliver inclusive initiatives that address challenges of unsustainable practices and make community-specific proposals for accelerating a just energy transition
- think innovatively, identifying and creating opportunities for economic, ecological and social benefits
- manage complex change processes in culturally sensitive and participatory manner, appropriately communicating to different audiences
- formulate community plans and advocate for business solutions and policies that contribute to equitable and regenerative local economies



## Evidence-based learning

The learning will encompass applied research practices, living-labs of both Renewable Energy laboratories as well as North Karelia Biosphere, Finland, under the UNESCO MAB -Programme. The Specialization is organized jointly by the professionals from attending INVEST partner universities.



United Nations  
Educational, Scientific and  
Cultural Organization



Man and  
the Biosphere  
Programme



POHJOIS-KARJALAN  
BIOSFÄÄRIALUE  
North Karelia Biosphere Reserve

## Structure of studies

Autumn semester, 30 ECTS	Spring semester, 30 ECTS
<ul style="list-style-type: none"> <li>• Energy Policy and Advocacy, 5 ECTS</li> <li>• Life Cycle Analyses of Energy Systems, 5 ECTS</li> <li>• Business Models for Community Energy, 5 ECTS</li> <li>• Applied Research for Energy Transition, 5 ECTS</li> <li>• Facilitating Community Energy Transition, 8 ECTS</li> <li>• Introduction to Finnish Language and Culture, 2 ECTS</li> </ul>	<ul style="list-style-type: none"> <li>• Final thesis / Research, 15 ECTS</li> <li>• Project in Living Lab Karelia, 15 ECTS</li> </ul>

Studies are aimed for 3rd or 4th year B.Sc. and international exchange students. Multidisciplinary approach allows applicants with various background studies, such as engineering, environmental sciences, business and management.



**WWW.INVEST-ALLIANCE.EU**

How to apply to Karelia: <https://karelia.fi/en/how-to-apply/>  
Please submit your application by 30.04.2022

Further information at Karelia UAS:  
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