

# FORESTRY ADAPTATION TO A CHANGING ENVIRONMENT (FACE)

- Responsible university: Karelia University of Applied Sciences
- Partner universities:
  - Slovak University of Agriculture in Nitra, Slovakia
  - Van Hall Larenstein University of Applied Sciences, The Netherlands
  - University of Agribusiness and Rural Development, Bulgaria
  - University of Thessaly, Greece



# Focus and Unique Selling Point BSc05

## **The main focus of the specialisation**

- *The specialisation provides the knowledge and skills how to cope with the challenges related to forestry in the future.*
- *It is essential to learn how to conduct the management of the forest due to changes in the environment, such as climate change and increasing demands of society to the use of forests.*

## **Why students will be attracted**

- *The content of the specialisation focuses on megatrend issues in forestry and provides an international understanding of it.*



# Proposed study units BSc05

## Autumn semester

- |                                   |        |
|-----------------------------------|--------|
| 1. Forestry in Europe             | 6 ECTS |
| 2. Future forest management       | 6 ECTS |
| 3. Forestry in a changing society | 5 ECTS |
| 4. Carbon forestry                | 5 ECTS |
| 5. Diverse uses of forests        | 6 ECTS |
| 6. Finnish language and culture   | 2 ECTS |

## Spring semester

- |                       |         |
|-----------------------|---------|
| 1. Graduation project | 30 ECTS |
|-----------------------|---------|



# Professional focus BSc05

- **Learning activities**

- *Different methods are used in different courses.*
- *The main idea is to include case studies, field work and excursions to the studies to maintain a strong connection with practical forestry operators.*

- **Interaction with Living Lab/ professional practice**

- *Visits and case studies are implemented together with regional forestry professionals and organisations.*
  - *Forest industry, forest management association, Finnish Forest Centre, forest research organisation etc.*
- *Visiting lecturers from other countries will provide viewpoints to international forestry practices.*

# Status

- Status of the curriculum
  - First implementation was in Autumn 2023
    - Six European students
    - A number on selected Indian students
  - Second round will be in Autumn 2024
    - Lectures, exercises and field visits scheduled on weekly level
    - Planning the participation of the teachers of the partner universities in progress
- (How) is the program embedded in host university program(s)
  - Specialisation studies are included in the curriculum of forestry at Karelia UAS as elective studies

# Living Lab experiences

- Future forest management: Environmental challenges induced by climate change
  - Decreased frost in soil; increased risk of pest outbreaks; tree species composition
- Carbon forestry: EU and national policy
  - Demands for forest use related to carbon management
- Forestry in a changing society: Increasing demands of various stakeholder groups to use of forests
  - Private forests; public forests owned by cities and municipalities; state forests
- Diverse uses of forests: Increasing value of non-wood forest products



