Summer School

Adapting forests to climate change: Operationalizing assisted migration

BACKGROUND

Building on the success of its inaugural edition in 2023, the Austrian Research Centre for Forests (BFW), the Czech University of Life Sciences (CZU), and EVOLTREE will collaboratively host the third Summer School on Adapting Forests to Climate Change: Operationalizing Assisted Migration, to be held at the :
Forestry Training Centre of Austrian Research Centre for Forests, FAST-Traunkirchen from
28th July to 1 August 2025

LOCATION

FAST Traunkirchen Forestry Training Centre (BFW) , Traunkirchen, Forstliche Ausbildungstätte, Traunkirchen am WaldCampus “Österreich“

The beautiful lake town of Traunkirchen lies 422 m above sea level on the west bank of Lake Traunsee. The lake extends 7.8 km from north to south and 4.8 km from west to east. The lake offers excellent swimming areas within walking distance of the Forestry Training Centre.

ECTS

University students who complete the course will be eligible to receive ECTS credits through the Czech University of Life Sciences. If you are interested in this option, please send an inquiry to Prof. Milan Lstiburek (lstiburek@fld.czu.cz)

WHO CAN PARTICIPATE

Master's students, doctoral candidates, postdoctoral researchers, practitioners, or professionals passionate about adapting forests to climate change while utilizing and conserving genetic variation within tree species.

WHAT ARE THE TOPICS

This summer school aims to provide in-depth insight into the Assisted Migration of forests in climate change with a focus on models to guide decision support. Specific topics are:

- Develop machine-learning based models to identify and spatially map adapted and maladapted populations of forest tree species in climate change.
- Quantitative genetic mechanisms of local adaptation and, through excursions to forest provenance trials.
- Integration of assisted migration with forest tree breeding, and the primary delivery systems of adapted forest reproductive material, including seed orchards and forest nurseries.
- Digital Innovation Technologies in Forestry: high-throughput phenotyping for analyzing biotic and abiotic stressors and much more under controlled conditions

Lectures and excursions will be held in English. Elementary knowledge of statistics and R programming is expected. Please bring your laptop.

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HOW TO APPLY

Please fill in the **REGISTRATION FORM** and pay the registration fee till **30th May 2025**.

Registration fee: 1300€: The registration fee will cover room rent and food (breakfast, lunch, and dinner) during the summer school. The registration fee will also cover the cost of the excursion. The candidates have to cover their travel expenses to and from the training centre themselves.

Participants from EVOLTREE member institutions can receive limited partial reimbursement of the registration fee. Please read the details here.

Please note that the registration fee needs to be paid in full before the course starts and any reimbursement claim has to be settled with EVOLTREE individually by the eligible participant

PAYMENT INSTRUCTIONS

Pease use the following details for the bank transfer.
Payment reference: "Summerschool 2025 Traunkirchen"
Account Number: 96050844
Payee: Bundesforschungs- & Ausbildungszentrum für Wald, Naturgefahren & Landschaft
Bank: BAWAG PSK
National Bank Code: BAWAATWW
IBAN: AT09 6000 0000 9605 0844
BIC : BAWAATWW
UID-Nummer: ATU 61289616

Forestry training centre Traunkirchen

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COURSE FACULTY

Dr. Debojyoti Chakraborty (Course Coordinator), Senior Scientist, Department of Forest Growth, Silviculture & Genetics, Austrian Research Centre for Forests, BFW, Vienna

Dr. Silvio Schüler, Head, Department Forest Growth, Silviculture & Genetics Austrian Research Centre for Forests, BFW, Vienna

Dr. Marcela Van Loo, Head of Unit of provenance research and breeding, Austrian Research Centre for Forests, BFW, Vienna

Dr. Albert Ciceu, Post Doc, Department Forest Growth, Silviculture & Genetics, Austrian Research Centre for Forests, BFW, Vienna

Prof. Milan Lstibůrek, Department of Forest Genetics and Physiology, Czech University of Life Sciences, CZU, Prague

CONTACT

Dr. Debojyoti Chakraborty
Course Coordinator
debojyoti.chakraborty@bfw.gv.at

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