WORK PACKAGES

Team C Climate Scenarios

The regional effects of climate change will vary considerably.
Team C calculates regional scenarios for the ForeStClim experimental sites and provides an important base for the other ForeStClim teams.

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Team D Development of forward-looking tools

Team D develops climate-dynamic planning instruments.
Among others, they will serve to detect changes in site quality, tree growth, tree species competition or exposure to biotic risks and windthrow.

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Team M Management Strategies

Based on the project results, Team M develops forest management and protection strategies. They will show how existing concepts can be extended and improved in order to enable ecologically as well as economically stable forests also in the future.

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FORESTCLIM PROFILE

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This project has received European Regional Development Funding through INTERREG IV B.
INTERREG IVB

Programme
INTERREG IVB North West Europe (NWE)

Duration of the Project
01.01.2008 - 31.12.2012

Financial Support for the Project
€ 11.6 million (ERDF funds: € 5.7 million)

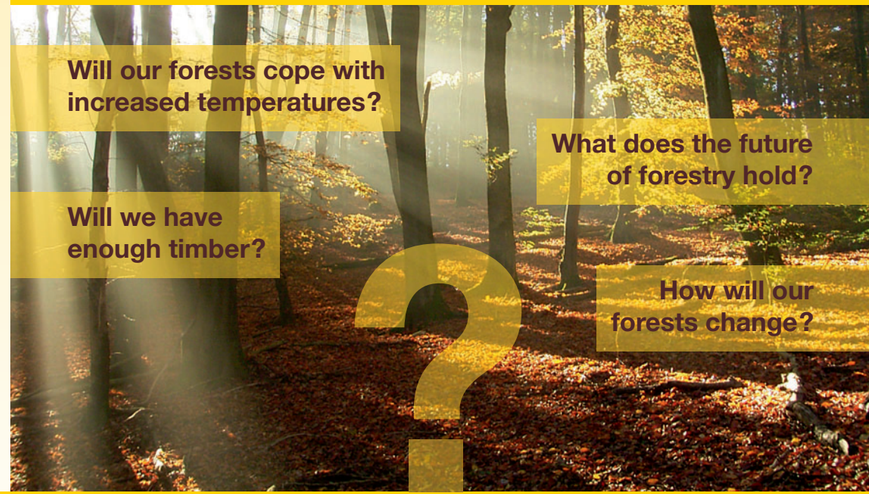
Design and Production Agentur Barth GmbH
Im Unterwald 18 · 67661 Kaiserslautern · Germany
www.agentur-barth.de

Title photo Josef Steiniger

Printed on PEFC-certified paper.

ForeStClim

Transnational Forestry Management Strategies in Response to Regional Climate Change Impacts



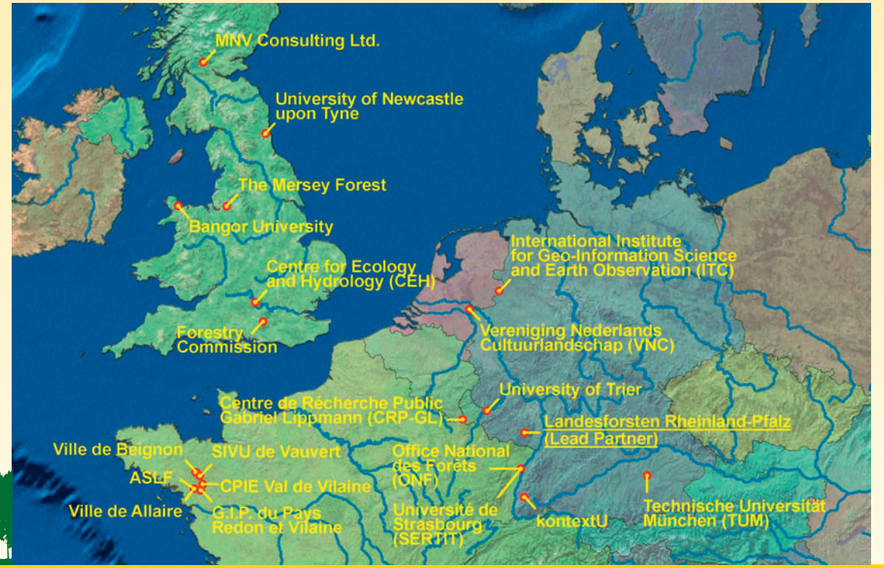
MOTIVATION

High population densities, strong economic activities and climate change, place natural environments in North West Europe (NWE) under increasing pressure. The sustainable management of these natural resources is of vital importance for the advancement of the entire NWE zone.

Forests cover about 17.4 million hectares of NWE and, as long-lived ecosystems, will be especially vulnerable to the effects of climate change. Adaptation strategies are necessary to preserve the present diversity of forests and to use them sustainably in a changed climate.

ForeStClim is an environmental project concerned with forests and climate change, and is supported by the European Union. Partners from 21 organisations across the UK, Germany, France, The Netherlands, and Luxembourg are combining efforts to develop transnational forest management strategies for the future.

PARTNERSHIP



OBJECTIVES

ForeStClim aims to strengthen the ecological and economic stability of North West Europe's forests through producing recommendations for trans-nationally harmonised forest management and protection strategies.

ForeStClim examines the consequences of climate change on

- tree growth
- tree species composition (competition)
- site changes (water, carbon)
- forest functions (e.g. flood protection)
- silvicultural targets (high grade wood, energy wood)

The results will feed into a newly developed decision support system for forest owners, administrations and policy makers. This system is designed to highlight the respective ecological and economic consequences of different silvicultural strategies, and will thereby help to minimise risks associated with decisions.

The utility, protection and recreational functions of forests will have to be maintained under climate change conditions!

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kontextU

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Technische Universität München

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Civil Engineering and Geosciences

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