NatMixFor

Climate Smart
Natural Mixed Forests

EFI

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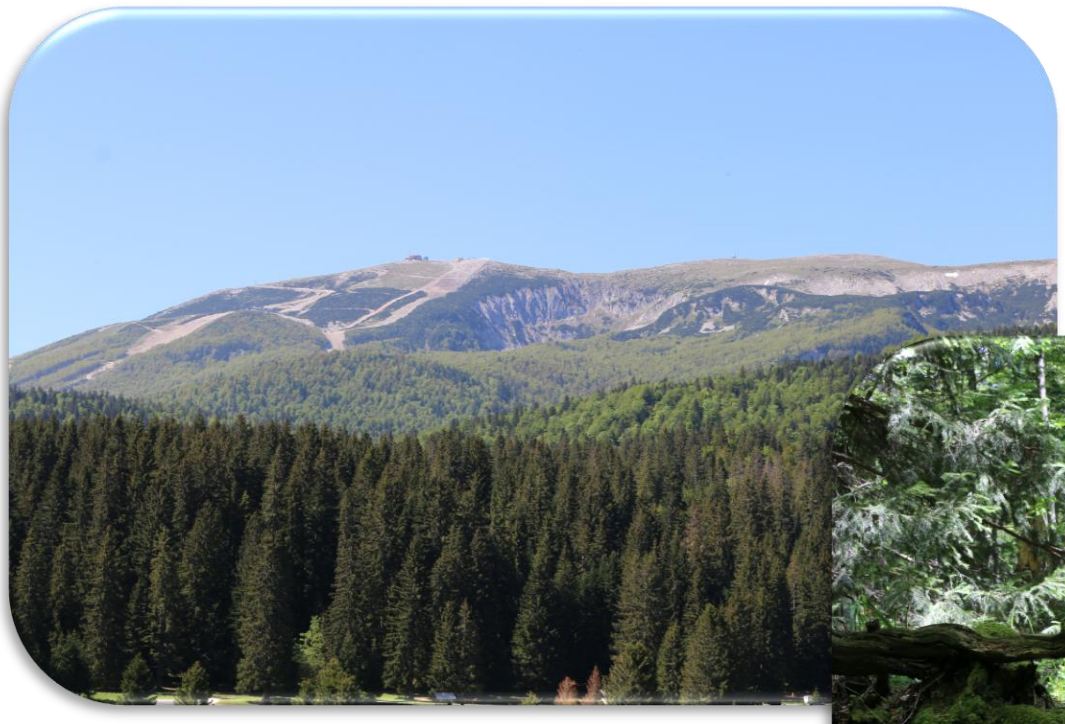
Climate smart natural mixed forests

Start 4/2025
Duration 18 months

Implementing Institution: University of Sarajevo – Faculty of Forestry, Bosnia and Herzegovina



6 plots in managed uneven-aged, mixed beech-silver fir-Norway spruce forests

6 plots in primeval mixed beech-silver fir-Noway spruce forests

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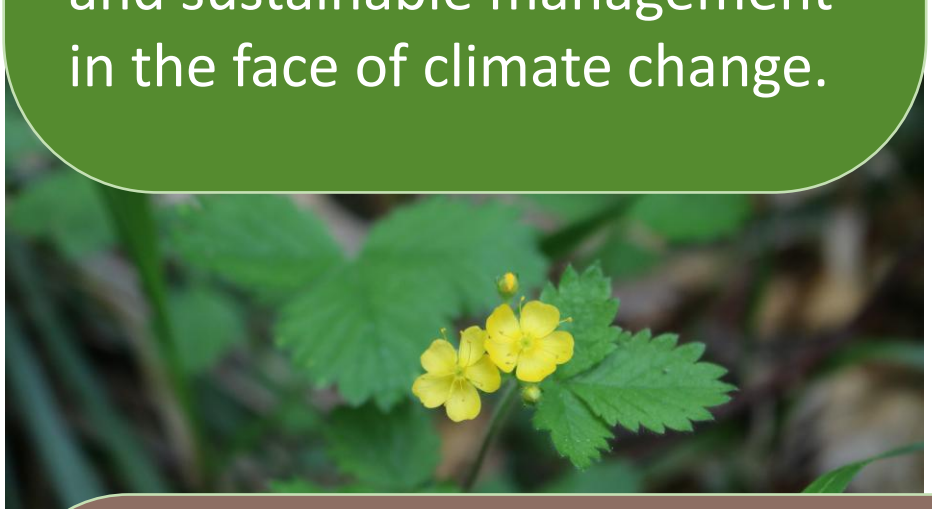
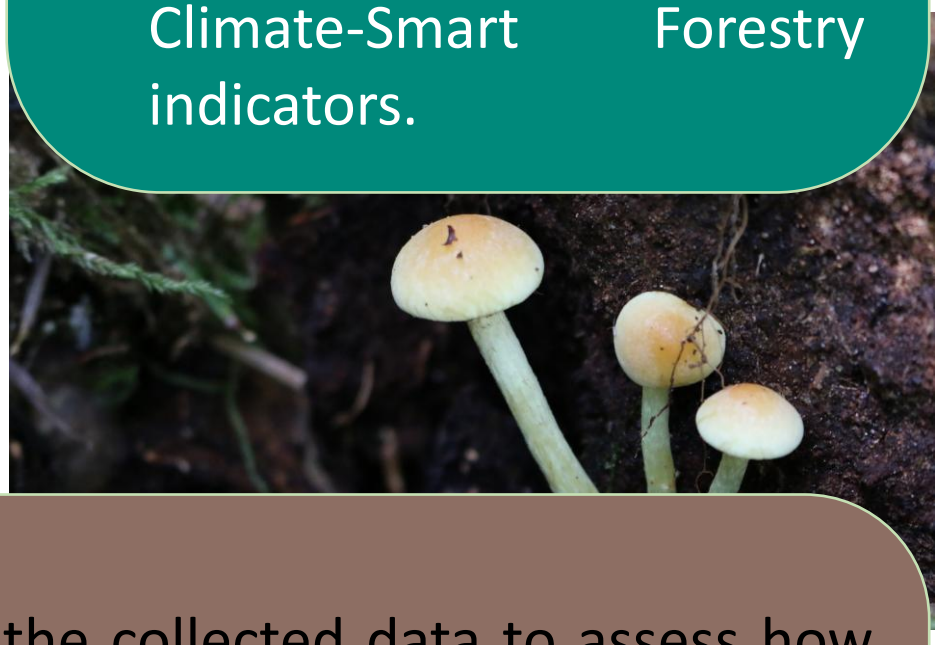
Background:
Bosnia and Herzegovina is home to some of Europe‘s most biodiverse and untouched forests, crucial for preserving rare species, storing carbon, and strengthening climate resilience. These largely unmanaged ecosystems provide unique opportunities for research, conservation, and sustainable management in the face of climate change.



Project activities:

- Establish experimental plots in uneven-aged, mixed beech-silver fir-Norway spruce forests across Bosnia and Herzegovina:
  - 6 plots in managed forests
  - 6 in primeval forests
- Collect data from these plots using methods from the ICP Forests Manual and Climate-Smart Forestry indicators.



Main goal:
The primary objective is to analyze the collected data to assess how different management systems mitigate climate change and enhance resilience to natural disturbances and drought. The study will compare the impacts of climate change on unmanaged vs. managed forests, focusing on resilience, biodiversity, and ecosystem health. Additionally, it will evaluate Climate-Smart Forestry indicators, helping to refine adaptation strategies for different forest types and climates, contributing to an adaptation roadmap for Europe.