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| <b>Acronym</b>     | <b>NATMIXFOR</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Full Title</b>  | <b>Climate smart natural mixed forest</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Partner(s)</b>  | <b>University of Sarajevo, Faculty of Forestry, Bosnia</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Grant Theme</b> | Establishing Climate-Smart Forestry and forest restoration pilots in Europe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Start Date</b>  | April 2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Duration</b>    | 18 months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b> | <p>Bosnia and Herzegovina is characterized by forests which are biodiversity hotspots, consisting of a rich variety of tree species, shrubs, and ground vegetation. A factor that distinguishes Bosnia and Herzegovina within Europe, alongside its high biodiversity, is the presence of large areas of untouched forest ecosystems, which serve as crucial reservoirs for endangered and rare species, carbon storage, and climate resilience, offering unique opportunities for conservation and sustainable development efforts. Due to the inaccessibility and limited forest road networks, these areas have remained largely unmanaged and preserved in their natural state, offering invaluable opportunities for research and knowledge generation within the Central European context, especially in light of future climate change developments.</p> <p>The main activity of the NATMIXFOR project is to establish new field trials consisting of 12 experimental plots, each 1 ha in size, within uneven aged mixed beech, fir and spruce forests across different ecoregions in Bosnia and Herzegovina. The study will include six plots in forests managed using a selection system and six in untouched primeval forests of the same type, serving as reference sites. The main goal is to analyse the data collected from these plots, using methods from the ICP Forests Manual, through Climate-Smart Forestry indicators. This evaluation determines the management system's potential to mitigate climate change and enhance resilience against natural disturbances and drought. The experiment is expected to offer valuable insights into the impacts of climate change on both unmanaged and managed mixed forests, as well as strategies to mitigate these effects. It will likely reveal differences in resilience, biodiversity, and ecosystem health, with unmanaged forests potentially showing greater natural resilience due to their complexity.</p> <p>The results could highlight how forest management practices influence vulnerability or adaptability to climate change, offering guidance for refining those practices. Additionally, the study will assess the effectiveness of Climate-Smart Forestry indicators, contributing to more targeted adaptation strategies for different forest types and climatic regions. This will contribute to the creation of an integrated adaptation roadmap, offering recommendations for Climate-Smart Forestry practices across Europe.</p> |



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