



Acronym	MIXFOR
Full Title	Establishment of mixed forest experiment of beech, silver fir and Douglas fir
Partner(s)	Department of Geosciences and Natural Resource Management, University of Copenhagen, Denmark
Grant Theme	Establishing Climate-Smart Forestry and forest restoration pilots in Europe
Start Date	May 2024
Duration	18 months
Description	Climate change is putting increasing pressure on monocultures of instable species. The conversion to climate-adapted species in mixtures is pivotal for climate-smart forestry. Unfortunately, there are only very few mixed forest experiments. This project builds upon a 23-year-old experiment that began in 2000 in Jutland, Denmark, that successfully transformed a uniform Norway spruce plantation into a more diverse and stable forest using the shelterwood system and underplanting. MIXFOR re-designs this experiment (the original focus has now been achieved) and establishes a mixed forest experiment with beech, silver fir, and Douglas fir. This is possible because beech and silver fir is originally underplanted in different mixing percentages. The measurements applied for here will act as the starting measurement in the new experiment. It is expected that it will be possible for the experiment to continue for at least 50 years. The project includes setting up the new experiment, data collection, analysis, and updating the original establishment report.

