



Acronym	CE-ReDiFor
Full Title	Central Europe Reference Database for Forest Disturbance Monitoring
Partner(s)	Instytut Badawczy Lesnictwa (Forest Research Institute), Poland
Grant Theme	Characterization of European forest disturbances
Start Date	May 2024
Duration	24 months
Description	Recent global climate changes have had a significant impact on forests, causing serious management, ecological and economic consequences. The Central Europe Reference Database for Forest Disturbance Monitoring (CE-ReDiFor) project aims to establish a comprehensive, open-access reference dataset on forest disturbances in Poland. The project will achieve this by establishing a network of 660 circular sample plots, ensuring spatial representativeness across diverse forest types and disturbance conditions. The project integrates field-based measurements with high-resolution remote sensing (RS) data, including orthophotos and airborne laser scanning, to develop an applicative geospatial database. Field data will include key forest characteristics such as tree species, diameter at breast height (DBH), stump diameter, canopy cover, and evidence of disturbances (e.g., windthrow, pest outbreaks, fires, mistletoe and fungal infections). In addition to the establishment of new sample plots, in part the project will leverage data from the LIFE+ ForBioSensing project and conduct re-measurements to enrich the dataset with historical information. The collected data will support the FORWARDS project by enabling disturbance characterization, validation of RS products, and long-term monitoring of forest health. To ensure the achievement of results, we use experienced management and expertise in all necessary areas for the implementation of the project. We link our activities with other projects launched for other regions and with FORWARDS project leaders. Proper management and communication as well as constant monitoring of results should guarantee success of this project.

