S1.O1. The European Information System on Forest Genetic Resources (EUFGIS): A transnational tool for genetic conservation and policy support

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The European Information System on Forest Genetic Resources (EUFGIS), established in 2010 in the framework of the EUFORGEN Programme, is the only transnational information system dedicated to forest genetic resources (FGR) in Europe. It provides harmonised data on more than 3,500 Genetic Conservation Units (GCUs) representing over 100 tree species across 35 European countries. All GCUs included in EUFGIS comply with common pan-European minimum requirements for dynamic conservation, ensuring the comparability and reliability of information.

Since its inception, EUFGIS has become a cornerstone for monitoring and reporting on FGR conservation. Its data directly support Indicator 4.6 of the Forest Europe process on sustainable forest management and have been used in major assessments such as the State of Europe's Forests and the global State of the World's FGR. Beyond policy reporting, EUFGIS serves as a reference platform for conservation planning and the management of GCU networks.

From 2021, the EU-funded project FORGENIUS has been upgrading EUFGIS by developing a new interface, adopting modern technologies, and integrating complementary datasets. These include linkages with pan-European climate and environmental databases, the use of remote sensing, and the incorporation of genotype and phenotype data for 23 species. The upgraded system will allow more precise and comprehensive characterisation of GCUs, reinforcing Europe's capacity to conserve forest genetic diversity under changing environmental conditions.

In November 2025 EUFGIS will be made publicly available for conservationists, researchers, policy makers and all interested parties. We will present EUFGIS and its key functionalities.

Integrative Diversity of Forest Ecosystems

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