

What is PLANFORLAB?

PLANFORLAB is an supra-regional Operational Group with the goal to improve the health and productivity of conifer forests through innovations in genetic material (Forest Reproductive Material, FRM) and adaptive silvicultural practices. Using the concept of "forest laboratory," the project aims to strengthen the resilience of forests against pests, diseases, and climate change, benefiting timber producers.

The project focuses on developing improved plants of *Pinus pinaster*, *Pinus radiata*, and *Pinus sylvestris* using innovative genetic material.

Additionally, PLANFORLAB will create a digital network to Exchange developments and results on genetic improvement and strategies against forest pathologies. The project aligns with the objectives of the European Innovation Partnership (EIP-Agri), promoting sustainability, climate change adaptation, and competitiveness of the forestry sector.

What are the Supraautonomic Operative Groups?

The Operational Groups, key players in the implementation of the AEI-Agri (European Innovation Partnership for Productive and Sustainable Agriculture), are one of the main tools in the execution of the Strategic Plan of the Common Agricultural Policy (CAP) 2023–2027 to drive innovation in the agri-food and forestry sectors within the European framework. These groups consist of various stakeholders with common interests, such as farmers, livestock breeders, companies, research centers, and training and outreach organizations, who come together to launch an innovation project aimed at providing a joint and multi-sectoral response to a problem or need.



Want to know more about PLANFORLAB?

You can send an email to feuga@feuga.es or call +34 981 53 41 80.

For more information about the project, visit its website at planforlab.es



The operational group PLANFORLAB is responsible for this content.



PLANFORLAB

Network of forest laboratories with improved plants to enhance resilience and production in conifer forests.

Total project budget: 599.134,24 € Total grant: 599.134,24 €

PLANFORLAB is framed within the Common Agricultural Policy (CAP) Strategic Plan 2023–2027, with 80% funding from the European Agricultural Fund for Rural Development (EAFRD) and 20% funding from the Ministry of Agriculture, Fisheries, and Food (MAPA). The General Directorate of Rural Development, Innovation, and Agri-food Training (DGDRIFA) is the authority responsible for implementing these grants.



What are the objectives of PLANFORLAB?

The main objective of **PLANFORLAB** is to develop new improved forest plants and optimize the sustainable management of conifer forests. This will be achieved by creating models that are resilient to diseases and climate change. Specific objectives include:

1. To create a **network of forest laboratories** that will allow scientists and forest managers to observe and monitor the behaviour of *Pinus pinaster*, *Pinus radiata*, and *Pinus sylvestris* against pathologies and climate change.
2. To implement **innovative technologies** for the production of improved forest plants through collaboration between nursery companies and research centres.
3. To improve **the prevention and control of forest pathologies** through the use of genetically improved plants, harmonization of monitoring methodologies and promoting the use of high-quality genetic plants in reforestation.
4. To create a **digital collaboration network** to share data and results among the involved actors and potential beneficiaries of the project.

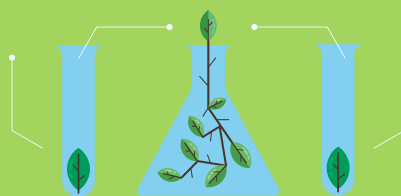
This project seeks to strengthen the resilience of conifer forests and promote their long-term economic sustainability.

What results are expected from PLANFORLAB?

The expected results from the **PLANFORLAB** project are as follows:

1. **Establishment of three forest laboratories**, one in each of the participating regions: Castilla y León, Galicia and the Basque Country, with the design of innovative silvicultural models for the species *Pinus pinaster*, *Pinus sylvestris*, and *Pinus radiata*, aimed at reducing the risk of pathologies and improving resilience to climate change.
2. **Production of improved reproductive material** (via sexual and vegetative reproduction) for the species *Pinus pinaster*, *Pinus sylvestris*, and *Pinus radiata* to be installed in the forest laboratories using silvicultural models and material generated for trials under controlled greenhouse conditions.
3. **Installation of trial and demonstration plots** in the forest laboratories, with a minimum of 2 hectares each, to allow for data comparison and evaluation of the resistance of reproductive materials to pathogens.
4. **Creation of a digital monitoring network** that will facilitate access to data on the forest laboratories and trial plots, promoting the dissemination of results to foresters, service companies, nurseries, and other interested parties.

Activities of PLANFORLAB



Activity 1

Creation of the network of innovative forest laboratories and its implementation through various key activities.



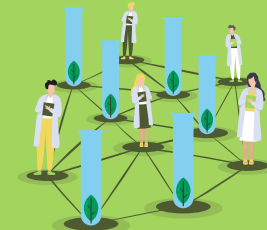
Activity 2

Production and testing of improved forest genetic material.



Activity 3

Creation of trial and demonstration plots in the forest laboratories.



Activity 4

Establishment of a digital collaboration network.



Activity 5

Dissemination plan.

Who are the recipients?

The **PLANFORLAB** project directs its results to all stakeholders in the forestry sector, but also to the general public.



Companies, business associations, and professionals in the forestry sector: forest landowners, forestry service companies, and tree nursery operators.



Professional groups: professional associations, the Spanish Association for Forest Certification (PEFC Spain), the Forest Stewardship Council (FSC), and Together for Forests (JxB).



Public administrations related to the environment and rural development in general, and to the forestry sector in particular.



Universities, research groups, platforms, and technology centers that may benefit from the knowledge and innovations generated by the project.



Companies, business associations, and industry clusters from other sectors that may benefit from the project's results, as well as the end consumers of these industries' products.



Final consumers and the general public.

Aiming to maximize the impact of the results and the transfer of generated knowledge, **PLANFORLAB** will carry out an extensive dissemination effort at the regional, national, and European levels through articles, press releases, webinars, outreach events, talks, and other initiatives.

Who are the members?

Beneficiaries: The supra-regional Operational Group **PLANFORLAB**, which covers the Autonomous Communities of Galicia, Castilla y León, the Basque Country and Madrid, is coordinated by the Forest Association of Galicia (AFG). It also involves the participation of the Forest Associations Federation of Castilla y León (FAFCYLE), the Confederation of Foresters of the Basque Country (CFPV), Agrarian Transformation Company S.A. S.A., S.M.E., M.P. (TRAGSA), the Galician University-Enterprise Foundation (FEUGA), and the Confederation of Forest owners Organizations of Spain (COSE).

Lourizán Forest Research Center, the NEIKER Technology Center, the General Foundation of the University of Valladolid (FUNGE UVA), and the Forest Sciences Institute of INIA-CSIC are **subcontracted members**.

