XYLOFOREST

Xyloforest is a research, innovation and service platform for cultivated forest systems, products and materials. Its objective is to contribute to the adaptation of forest resources to climate change. Its scientific objective is to improve knowledge and implement innovative solutions to increase the use of wood in construction, improve wood quality and develop green chemistry. The scope covers the entire forest-wood chain: Xylomic: genomics and tree phenotyping Xylobiotech: forest biotechnologies Xylosylve: innovative silvicultural systems Xyloplate: advanced wood engineering Xylomat: Composite wood-based products and biosourced materials Xylochem: Wood chemistry and bio-refinery Xyloforest developed in 2011 following the call for projects “Equipement d'Excellence” of the future investment program (ANR-10-EQPX-16). The project is scheduled to end in 2020, and the grant received for its entire duration is €10.2 million. The aid is distributed among the various partners for the purchase of equipment. Each technical platform has a laboratory with specific equipment to host new collaborative projects. Laboratories can provide the scientific community with premises, or data and host measurement and experimental equipment. They can also contribute their experience for product and service developments (e.g. STRADIVERNIS project for the development of an industrial varnish based on rosin and vegetable oil from the Xylomat platform). The XYLOFOREST platform is a support for teaching on forests and wood with more than 130 students trained, including 57 doctoral students since 2013.

DéTAILS

ORIGINE DU BOIS
Forêt

TYPE DE BOIS
Grume

TYPE DE BOIS CONCERNé
Stemwood

IMPACT SUR L'ENVIRONNEMENT ET LA BIODIVERSITé
Positive impact with equipment to assess the environmental balance of silvicultural systems (platforme Xylosylve)

EFFET SUR LE REVENU
NA

POTENTIEL D'EXPLOITATION
--

HUB
--

IMPACT éCONOMIQUE
NA

POTENTIEL DE MOBILISATION
High potential for mobilization (not quantified)

POTENTIEL DE DURABILITé - VALEUR
--

FACILITé D'IMPLéMENTATION
Medium: purchase and use of new equipment, monitoring of devices and experiments

FACILITé D'IMPLéMENTATION - ÉVALUATION
--

PRéREQUIS CLéS
NA

TYPE D'éVéNEMENT Où CETTE ICPE A éTé PRéSENTéE
--

EFFET SUR L'EMPLOI
Creation of jobs related to the new activities of the laboratories and many internships and theses related to the project

COûTS D'IMPLéMENTATION (EURO - €)
--

CONNAISSANCES SPéCIFIQUES REQUISES

High technical and scientific knowledge

PLUS DE DéTAILS

DéFI CONCERNé

--

DOMAINE

Recherche et développement

TYPE DE SOLUTION

--

MOTS-CLéS

--

SOLUTION DIGITALE

Non

INNOVATION

Non

PAYS D'ORIGINE

France

ECHELLE D'APPLICATION

Nationale

DéBUT ET FIN D'ANNéE

2011 - 2020

INFORMATIONS DE CONTACT

PROPRIéTAIRE OU AUTEUR

RAPPORTEUR

remy.petit@inra.fr

REFERENCES AND RESOURCES

SITE WEB PRINCIPAL

http://www.xyloforest.org/

SITE WEB DU PROJET

--

RéFéRENCE DU PROJET

--

RESSOURCES

--

PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A éTé CRééE

Rosewood

DATE DE PUBLICATION

17 sep 2019

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY