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.

DETALII

SURSA DE LEMN

Pădure

TIPUL DE LEMN

Lemn masiv

TIPUL DE LEMN îN CAUZă

Stemwood

IMPACTUL ASUPRA MEDIULUI șI BIODIVERSITățII

Positive impact with equipment to assess the environmental balance of silvicultural systems (platforme Xylosylve)

EFECT ASUPRA VENITURILOR

NA

POTENțIAL DE EXPLOATARE

--

HUB

--

IMPACT ECONOMIC

NA

POTENțIALUL DE MOBILIZARE

High potential for mobilization (not quantified)

POTENțIAL DE SUSTENABILITATE - VALOARE

--

FACILITATEA DE IMPLEMENTARE

Medium: purchase and use of new equipment, monitoring of devices and experiments

FACILITATEA DE IMPLEMENTARE - EVALUARE

--

CONDIțII CHEIE PREALABILE

NA

TIPUL DE EVENIMENT LA CARE A FOST PREZENTAT ACEST IPB

--

EFECT ASUPRA LOCURILOR DE MUNCă

Creation of jobs related to the new activities of the laboratories and many internships and theses related to the project

COSTURI PENTRU IMPLEMENTARE (EURO - €)

--

CUNOȘTINȚE SPECIFICE NECESARE

High technical and scientific knowledge

MAI MULTE DETALII

PROVOCARE ABORDATă

--

DOMAIN

Cercetare și dezvoltare

TIP DE SOLUȚIE

--

CUVINTE CHEIE

--

SOLUȚIE DIGITALă

Nu

INOVAȚIE

Nu

ȚARA DE ORIGINE

Franţa

SCARA DE APLICARE

Național

ANUL DE îNCEPUT ȘI DE SFâRȘIT

2011 - 2020

DATE DE CONTACT

PROPRIETAR SAU AUTOR

remy.petit@inra.fr

REPORTER

REFERENCES AND RESOURCES

PAGINă WEB

http://www.xyloforest.org/

WEBSITE PROJECT

--

REFERINță PROIECT

--

RESURSE

--

PROIECTUL îN CADRUL CăRUIA A FOST CREATă ACEASTă FIșă INFORMATIVă

Rosewood

DATA POSTăRII

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