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.

DETAILS

HERKUNFT DES HOLZES
Wald

ART DES HOLZES
Stammholz

ART DES BETROFFENEN HOLZES
Stemwood

AUSWIRKUNGEN AUF UMWELT UND BIODIVERSITäT
Positive impact with equipment to assess the environmental balance of silvicultural systems (platforme Xylosylve)

EINKOMMENSEFFEKT
NA

VERWERTUNGSPOTENZIAL
--

NABE
--

WIRTSCHAFTLICHE AUSWIRKUNGEN
NA

MOBILISIERUNGSPOTENZIAL
High potential for mobilization (not quantified)

POTENZIAL FüR NACHHALTIGKEIT - WERT
--

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

LEICHTE IMPLEMENTIERUNG - BEWERTUNG
--

WICHTIGE VORAUSSETZUNGEN
NA

ART DER VERANSTALTUNG, AUF DER DIESE BPI VORGESTELLT WURDE
--

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

KOSTEN DER IMPLEMENTIERUNG (EURO - €)
--

SPEZIFISCHES WISSEN ERFORDERLICH

High technical and scientific knowledge

MEHR DETAILS

ANGESPROCHENE HERAUSFORDERUNG

--

DOMäNE

Forschung und Entwicklung

ART DER LöSUNG

--

SCHLüSSELWöRTER

--

DIGITALE LöSUNG

Nein

INNOVATION

Nein

HERKUNFTSLAND

Frankreich

UMFANG DER ANWENDUNG

National

ANFANGS- UND ENDJAHR

2011 - 2020

KONTAKTDATEN

EIGENTüMER ODER AUTOR

remy.petit@inra.fr

REPORTER

REFERENCES AND RESOURCES

HAUPT-WEBSITE

http://www.xyloforest.org/

PROJEKT-WEBSITE

--

PROJEKT-REFERENZ

--

RESSOURCEN

--

PROJEKT, IN DESSEN RAHMEN DIESES FACTSHEET ERSTELLT WURDE

Rosewood

BEITRAGSDATUM

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