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.

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

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HUB

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IMPACT éCONOMIQUE

NA

POTENTIEL DE MOBILISATION

High potential for mobilization (not quantified)

POTENTIEL DE DURABILITé - VALEUR

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FACILITé D'IMPLéMENTATION

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

FACILITé D'IMPLéMENTATION - ÉVALUATION

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PRéREQUIS CLéS

NA

TYPE D'éVéNEMENT Où CETTE ICPE A éTé PRéSENTéE

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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 - €)

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CONNAISSANCES SPéCIFIQUES REQUISES

High technical and scientific knowledge

PLUS DE
DéTAILS

DéFI CONCERNé

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MOTS-CLéS

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PAYS D'ORIGINE

France

DOMAINE

Recherche et développement

SOLUTION DIGITALE

Non

ECHELLE D'APPLICATION

Nationale

TYPE DE SOLUTION

--

INNOVATION

Non

DéBUT ET FIN D'ANNéE

2011 - 2020

INFORMATIONS
DE CONTACT

PROPRIéTAIRE OU AUTEUR

remy.petit@inra.fr

RAPPORTEUR

REFERENCES
AND RESOURCES

SITE WEB PRINCIPAL

http://www.xyloforest.org/

SITE WEB DU PROJET

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RéFéRENCE DU PROJET

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RESSOURCES

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