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.

DETTAGLI

ORIGINE DEL LEGNO
foresta

TIPO DI LEGNO
Fusto

TIPO DI LEGNO IN QUESTIONE
Stemwood

IMPATTO SULL'AMBIENTE E LA BIODIVERSITà
Positive impact with equipment to assess the environmental balance of silvicultural systems (platforme Xylosylve)

EFFETTO SUL REDDITO
NA

POTENZIALE DI SFRUTTAMENTO
--

HUB
--

IMPATTO ECONOMICO
NA

POTENZIALE DI MOBILITAZIONE
High potential for mobilization (not quantified)

POTENZIALE SOSTENIBILITà - VALORE
--

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

FACILITà DI IMPLEMENTAZIONE - VALUTAZIONE
--

PREREQUISITI CHIAVE
NA

TIPO DI EVENTO IN CUI QUESTO BPI è STATO PRESENTATO
--

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

I COSTI DI ATTUAZIONE (EURO - €)
--

CONOSCENZE SPECIFICHE NECESSARIE

High technical and scientific knowledge

Più DETTAGLI

SFIDA RISOLTA

--

DOMINIO

Ricerca e sviluppo

TIPO DI SOLUZIONE

--

PAROLE CHIAVE

--

SOLUZIONE DIGITALE

No

INNOVAZIONE

No

PAESE D'ORIGINE

Francia

SCALA DI APPLICAZIONE

Nazionale

INIZIO E FINE ANNO

2011 - 2020

CONTATTI

PROPRIETARIO O AUTORE

remy.petit@inra.fr

REPORTER

REFERENCES AND RESOURCES

SITO PRINCIPALE

http://www.xyloforest.org/

SITO WEB DEL PROGETTO

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PROGETTO DI RIFERIMENTO

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RISORSE

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PROGETTO NELL'AMBITO DEL QUALE QUESTA SCHEDA è STATA CREATA

Rosewood

DATA DI INSERIMENTO

17 Set 2019

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY