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.

DETALHES

ORIGEM DA MADEIRA
Floresta

TIPO DE MADEIRA
Tronco

TIPO DE MADEIRA EM CAUSA
Stemwood

IMPACTE NO AMBIENTE E BIODIVERSIDADE
Positive impact with equipment to assess the environmental balance of silvicultural systems (platforme Xylosylve)

IMPACTE NAS RECEITAS
NA

POTENCIAL DE EXPLORAçãO
--

HUB
--

IMPACTE ECONOMICO
NA

POTENCIAL DE MOBILIZAçãO
High potential for mobilization (not quantified)

SUSTENTABILIDADE POTENCIAL - VALOR
--

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

FACILIDADE DE IMPLEMENTAçãO
--

PRE-REQUISITOS CHAVE
NA

TIPO DE EVENTO EM QUE ESTE BPI TEM SIDO APRESENTADO
--

IMPACTE NO EMPREGO
Creation of jobs related to the new activities of the laboratories and many internships and theses related to the project

CUSTOS DE IMPLEMENTAçãO (EURO - EUR)
--

CONHECIMENTOS ESPECIFICOS NECESSáRIOS

High technical and scientific knowledge

MAIS DETALHES

DESAFIO ABORDADO

--

DOMíNIO

Investigação e desenvilvimento

TIPO DE SOLUçãO

--

PALAVRAS-CHAVE

--

SOLUçãO DIGITAL

Não

INOVAçãO

Não

PAíS DE ORIGEM

França

ESCALA DE APLICAçãO

Nacional

ANO DE INíCIO E FIM

2011 - 2020

DADOS DE CONTACTO

PROPRIETáRIO OU AUTOR

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REPóRTER

REFERENCES AND RESOURCES

WEBSITE PRINCIPAL

http://www.xyloforest.org/

WEBSITE DO PROJETO

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REFERêNCIA AO PROJETO

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RECURSOS

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PROJETO NO âMBITO DO QUAL A FOLHA DE DIVULGAçãO FOI CRIADA

Rosewood

DATA DE ENTRADA

17 Set 2019

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY