# 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**

remy.petit@inra.fr

**REPóRTER**

## REFERENCES AND RESOURCES

**WEBSITE PRINCIPAL**

http://www.xyloforest.org/

**WEBSITE DO PROJETO**

--

**REFERêNCIA AO PROJETO**

--

**RECURSOS**

--

PROJETO NO âMBITO DO QUAL A FOLHA DE DIVULGAçãO FOI CRIADA

Rosewood

DATA DE ENTRADA

17 Set 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