


## Description of best practice

Best practice	
Title	XYLOFOREST
Picture	
Domain	Research
Source of wood	Stemwood and woody biomass
Location	France
Implementers	laboratories, research institutes, companies in the forest-wood sector
Actual status	Running
Approach	<p>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:</p> <ul style="list-style-type: none"> <li>Xylomic: genomics and tree phenotyping</li> <li>Xylobiotech: forest biotechnologies</li> <li>Xylosylve: innovative silvicultural systems</li> <li>Xyloplate: advanced wood engineering</li> <li>Xylomat: Composite wood-based products and biosourced materials</li> <li>Xylochem: Wood chemistry and bio-refinery</li> </ul>
Main results	<p>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).</p> <p>The XYLOFOREST platform is a support for teaching on forests and wood with more than 130 students trained, including 57 doctoral students since 2013.</p>
Lessons learned	<p>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</p>

	€10.2 million. The aid is distributed among the various partners for the purchase of equipment.
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Link to website	<a href="http://www.xyloforest.org/">http://www.xyloforest.org/</a>
Code	BP_FR_04

### Best practice assessment

Region	FRANCE
Time scale	2011-2020
Mobilization Potential	High potential for mobilization (not quantified)
Kind of wood concerned	Stemwood
Sustainability Potential	Very positive: purchase of innovative equipment to improve knowledge
Impact on environment & biodiversity	Positive impact with equipment to assess the environmental balance of silvicultural systems (plateforme Xylosylve)
Ease of implementation	Medium: purchase and use of new equipment, monitoring of devices and experiments
Economic impact	NA
Job effect	Creation of jobs related to the new activities of the laboratories and many internships and theses related to the project
Income effect	NA
Specific knowledge needed	High technical and scientific knowledge
Costs of implementation	10 000 000 EUROS
Technical readiness level	No statement possible
Key information for adoption	NA