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# Modified Wood: Stability & durability



## Accoya Wood United Kingdom

In partnership with:

With financial support  
from the EU



## Introduction:

<p><b>Accoya Wood</b></p> <p>Accsys Technologies, Royal Albert House, Sheet Street, Windsor, SL41BE</p> <p>Tel: 0031 263201400</p>	 <p>modified wood by Accsys Technologies</p> 
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## Type of innovation:

X Technological

## Affection by Sector of the innovative solution:

X Technological

X Productivity

X Competitiveness

<p><b>Company's description:</b></p>	<p>Accoya is the first company in the world to successfully commercialize acetylated solid wood</p>
<p><b>Company's previous status:</b></p>	<p>Wood research spin off</p>
<p><b>Innovative solutions:</b></p>	<p>High global demand for wood and limitations on its supply means that in the future alternative sources of timber will be required for furniture. There will also be a requirement to better utilise the resource, extend the lives of furniture products and re-use and recycle at end of life.</p>
<p><b>Way of implementation:</b></p>	<p>Acetylation effectively changes the free hydroxyls within the wood into acetyl groups to render the wood more dimensionally stable and, because it is no longer digestible, extremely durable.</p>

### Outcomes:

Nouveau material  
Exponential market  
Funds available for future R7D

### Recommendations:

Discuss with distribution companies and identify clients' needs. Additionally, work with established R &D centres, launch successfully a new product and maximise market share.

### Conclusions:

The sustainability credentials and properties make the commercial Eucalypt brands Accoyas® and a wide range of modified woods suitable for use for interior furniture. Those modified wood products that are durable and stable offer great potential for use as exterior furniture in the future.

### Keywords:

- X Cascade use of wood
- X Processes
- X Construction