



InnovaWood

RESEARCH PROJECT **FFWOOD**

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Research group - DRUM - HOGENT

Reliable use of local wood, LKTS and wood by-products in joinery through practice-oriented research.



## RESULTS & CHALLENGES

WHY?	HOW?	WHAT?
<p><b>Overuse</b> of the same tropical wood species (CITES)</p> <p><b>High cost</b> of testing</p> <p><b>Need</b> for (local) <b>alternatives</b></p>	<p>Selection &amp; characteriwation of <b>3 wood streams</b> (local, LKTS, wood by-products)</p> <p><b>Technical testing:</b> glueing, profiling, joints, finishing &amp; weathering</p> <p><b>State of the art CNC</b></p>	<p><b>Concrete, applicable</b> and <b>directly usable</b> for the sector.</p> <p><b>Validated</b> wood streams for exterior joinery</p> <p><b>Standardized</b> type-solutions (profiles, joints, finishing)</p>



Main Results	Target groups Potential Benefeciaries	Further research needs	Main challenges to discuss
<p><b>Reduced dependence</b> on tropical wood from CITES list</p> <p>Lower barrier to <b>innovation</b> for companies</p> <p>Stronger <b>local wood</b> chains</p> <p>Contribution to <b>CO2 reduction</b> in the construction sector</p>	<p><b>Producers</b> of wooden windows and doors</p> <p>Wood <b>processors</b>, sawmills and importers</p> <p><b>Suppliers</b> of coatings, adhesives and tooling</p> <p><b>Architects</b> and construction sector</p> <p>The end <b>client</b></p>	<p><b>Upscaling</b> to industrial productoin</p> <p><b>Supply</b> security of alternative wood streams</p> <p>Long-term <b>performance</b> and <b>maintenance</b></p>	<p>How can we <b>convince companies</b> to adopt new wood streams?</p> <p>How do we ensure consisten <b>quality</b> and <b>availability</b>?</p> <p>How do we <b>integrate solutions</b> within existing production processes?</p>

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