



Research for the Benefit of SMEs		
<p>Title: Development of a novel solvent-free coating process for wooden facades</p> <p>Acronym: DURAWOOD</p> <p>Grant Agreement Number: 232296</p> <div style="text-align: center;">  </div>		
Deliverable 8.2	Draft Plan for the Use and Dissemination of the Foreground	
Associated WP	WP8 – Use and Dissemination	
Associated Task	Task 8.1-Plan for the Use and Dissemination of the Foreground	
Due Date	M12 (31.11.2010)	
Date Delivered	31.01.2011	
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Partners Involved	All	
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Dissemination Level	PU/CO	

Publishable Executive Summary

The primary aim of the DURAWOOD project (Grant Agreement Number 232296), which is funded under the “Research for SMEs” programme of FP7, is the development of plasma DCSBD pre-treatment on wood to generate two different effects on the wood surface: either hydrophilisation to increase adhesion of water borne coating and their resulting durability, or hydrophobisation to provide water proofing. This could indirectly lead to a decrease of the amount of antifungal agent needed.

This document corresponds to the **Mid-term Plan for the Use and Dissemination of the Foreground** (PUDF) of the DURAWOOD project and is a platform for the preparation of a subsequent and final version of the PUDF.

This document consists of two sections. Firstly, a **public section related to the project results that will be disseminated and the corresponding dissemination activities**. This section summarises how the participants plan to reach their target public, it will also set out a specific and verifiable set of dissemination actions and the planned communication strategy. The second section will **describes the exploitable results of the DURAWOOD project and activities related to their protection and future uptake**, which will remain confidential at least until the protection of the results has been implemented, so not to jeopardise the economic exploitation.

The research performed in the first midterm point of the DURAWOOD project shows promising results with the potential of making a significant impact on the wood and coating industries and beyond. Testing has confirmed the suitability of plasma to finely tune wood surface properties. In addition, the suitable conditions have been determined in term of gap, gas, flowpower depending on the effect targeted for four wood species. Furthermore various other combinations of parameters are still under evaluation, and the results of the fungi resistance and weathering tests will come at a later stage in the project.

A number of dissemination activities have already been performed to date using different communication channels and targeting different types of audiences. These activities are reviewed in the first section of the PUDF, as well as key dissemination messages and strategy. The future dissemination activities include a preliminary discussion on future demonstrations of the process and resulting treated wood panels and training seminars on its use and application during the remainder of the project and after project completion. The feedback generated by dissemination activities highlight the present demand within the wood industry for onsite pre-treatment technologies that could increase the durability of water borne coatings and decrease the amount of fungicides needed.

The preliminary data for the current plans regarding the use of the exploitable results of the project are presented in the second section. Discussions and planned actions regarding the proper protection of the intellectual property and the development of a suitable and robust business plan for the exploitation of the results are continuing on an ongoing basis.