



# FlexWood

Flexible Wood Supply Chain

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## Dissemination, networking and knowledge transfer implementation plan period 2



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## 1. Executive Summary

The EU-Project FlexWood (Flexible Wood Supply Chain, 2009 – 2012) aims to build a novel logistic system that provides value recovery along the wood supply chain. The dissemination of the project results is of fundamental importance to achieving the project impacts. Thus, Work Package (WP) 2000 “Dissemination, Implementation and Exploitation” is dedicated to the communication and dissemination of the project.

This report presents the main activities to be carried out in the final 12 months of the project. It complements the dissemination activities already planned in the “Dissemination, networking and knowledge transfer implementation plan period 1”, which outlined the first steps of the dissemination of the project. The dissemination activities of the first 24 months of the project can be found in the deliverable “Dissemination and Networking Review Period 1”.

## 2. Introduction

### ***FlexWood – Flexible Wood Supply Chain***

This document is a deliverable within the context of the EU-funded Collaborative Project FlexWood – Flexible Wood Supply Chain, a project which officially began November 1<sup>st</sup>, 2009 and continues for three years. The Consortium consists of 14 partners representing nine countries and is comprised of leading SMEs, universities and research centres and associations, who each contribute complementary experience and expertise.

The overall objective is to build a novel logistic system, ‘FlexWood’, which provides value recovery along the wood supply chain. This system will integrate

- advanced quality and quantity information on wood resources measured in the forest with novel technology
- optimisation models for tactical and operational planning (bucking, harvesting, allocation of wood)
- optimisation models and enhanced processes for novel and more flexible concepts for mill production and
- improved information transfer between all stages of the wood supply chain to create new knowledge for decision making.

Within the FlexWood concept, existing solutions for value recovery opportunities in these areas will be tested and/or adapted or developed. This is followed by an interlinking of the single solutions, which allows the modelling of the entire information flow with benefits and efficiency gains in time, quality and cost. The achievement of these goals is assured through the coordination of eight interrelated Work Packages (WP).

The dissemination of the project results is of fundamental importance to achieving the project impacts. WP 2000 is present throughout the entire project duration, collaborates closely with the WP Project Management (WP 1000) and ensures that project results are disseminated internally and externally to the various stakeholders and general public. Also included in WP 2000 is the Implementation and Exploitation Plan, which is to be developed by SMEs and industry (Task 2200).

WP 2000 is divided into two tasks: Task 2100 Dissemination (Europe, national, regional) and Task 2200 Implementation and Exploitation Plan.

The objectives of Task 2100 - to assure the dissemination and communication of the project both internally and externally - can be elaborated upon as to:

- Planning, coordination and review of dissemination and networking activities
- Setup and updating of web page and web portal
- Producing dissemination material: flyers, posters, press releases and articles
- Planning, organisation and execution of project representation at major events, workshops and public relation activities

## 2.1 Objectives of the Deliverable

The Dissemination, networking and knowledge transfer implementation plan period 2 is a Deliverable from Task 2100 and outlines the activities to be carried out in the months 25 – 36 of the project. This will build on the plan already drafted for the first 24 months of the project, adding the dissemination activities relevant to the final year.

## 2.2 Work Package Task Status

### Task 2100

As described in the paragraphs above, this Task involves the planning and review of dissemination. The activities of Task 2100 are generally on target. This report has been delayed in order to discuss activities as a team at the Project Meeting 4 and since the project research and results have been extended to take full advantage of the 36 month duration of the project. This does not affect the dissemination activities of the WP or the project. The report reflects adaptations that take resources and the development of the project into account.

### Task 2200

The description of the Task 2200 is as follows: First the user's needs are clearly identified, followed by the supply chain components developed within FlexWood that can enhance the international competitiveness of companies and other stakeholders. Finally, the challenges and opportunities for companies and industries using FlexWood components in their business will be identified through communication with stakeholders. Based on this, an implementation and exploitation plan facilitating the exploitation for SME and industry will be established. The implementation and exploitation plan will be updated and finalised towards the end of the project based on the use case results (WP8000).

**Table 1 Deliverables in WP 2000**

<b>Del. no.</b>	<b>Deliverable name</b>	<b>Delivery date</b>	<b>Status (pending/submitted/accepted)</b>
2.1	Dissemination: Package (Web Page, Web Portal, press releases and other Dissemination Material)	1 (+ regular expansions)	Submitted and on-going
2.2	Dissemination, networking and knowledge transfer implementation plan Period 1	Month 3	Accepted
2.3	Implementation and exploitation plan Version 1	Month 12	Pending
2.4	Dissemination and networking Review Period 1	Month 24	Submitted
2.5	Dissemination, networking and	Month 24	Current report

	knowledge transfer plan Period 2		
2.6	Dissemination and networking Final Report	Month 36	Pending
2.7	Implementation and exploitation plan Version 2	Month 36	Pending

**Table 2 Milestones related to WP 2000**

Milestone number	Milestone name	Work packages involved	Expected date	Means of verification	Status
6	Final implementation and exploitation plan	2000	Month 36	Deliverable 2.7 validated by SME and industrial partners	pending

### 3. The Approach

This Deliverable serves as a continuation of the plans and activities carried out in the first 24 months of the project. Since many of the activities described in the previous two reports will continue throughout this final period, these will not be repeated here. The following outlines the major dissemination activities planned in the final 12 months of the project. This will be the wrap-up of the project and thus will highlight the major final meetings.

### 4. FlexWood Platform

The FlexWood Platform will continue to be developed in the coming months. After the completion of the platform, which will be by the final meeting at the latest, a video of the functionalities will be produced. This will show how the platform works on with an example query of the inventory, a harvest of the query, followed by the output of the sawmill. Explanations of where the data is stored and how it is transferred will be documented, synchronised with video of the platform.

### 5. IUFRO Division 5 Conference

Several of the FlexWood partners will represent the project at the coming IUFRO Conference Division 5 Forest Products from July 8th to 13th, 2012 in Estoril, Portugal. This conference is geared towards the production side of the wood supply chain and so will be attended by the partners Laval, ALU-FR FobAwi & IWW, FVA, VTT, BOKU and FCBA. The FlexWood project will occupy an entire session, which will be hosted and introduced by the partner Laval.

Abstracts for the following presentations in the FlexWood session have been submitted:

- How to describe wood supply chains and evaluate their agility and personalisation capabilities? → Laval
- Quality assessment on standing beech trees, logs and sawn timber a trial on knottiness → FVA, ALU-FR IWW
- Procedures to match laser based forest resource information with industrial wood requirements → ALU-FR FobAwi



- Integrating small non-industrial private forest ownership (sNIPF) in novel logistic concepts → ALU-FR FobAwi, BOKU
- Converting product requirements into wood raw material specifications → VTT
- Demand-driven wood supply: a Flexwood study case in Aquitaine (France) → FCBA

## **6. FlexWood Website**

The FlexWood website ([www.flexwood-eu.org](http://www.flexwood-eu.org)) will be continuously updated both in the internal area for project members and the external area available to all. There have been several setback with the website, the server having crashed at the beginning of the year. This is being dealt with momentarily and will hopefully not cause an extended delay.

## **7. Project Meeting 5 in Brussels**

The 5<sup>th</sup> Project Meeting will take place in Brussels from June 4<sup>th</sup> to 6<sup>th</sup>, 2012. This will provide an opportunity for the team to present the project and results to EU members. Contributions from all Work Packages will be included, as well as an overview of the project and its objectives. The focus will be on the FlexWood platform. An invitation to relevant members of the EC will be sent out in cooperation with the project's EU Officer.

## **8. Final Symposium in Helsinki**

The final meeting of the project will be held in Helsinki, Finland at the end of September 2012. Research, industry and policy stakeholders of the European wood supply chain will be invited to attend, as well as the members of the FlexWood Advisory Board and the EU. Here the final results of the project will be presented, with focus on showing the interconnections between work packages in the project and bringing the message home to industry.

## **9. Task 2200**

This Task was originally to be led by TreeMetrics, but was delayed and is now under the management of VTT. Since the plan becomes highly relevant at the end of the project, when the results of the project are available and the plan can be finalised, as well as the fact that other WPs do not depend on the deliverable for their work to date, the delay in the plan has not had serious consequences for the project. VTT has designed a questionnaire and collected input from partners. Each partner is sending the questionnaire to relevant stakeholders. This report will be updated with results from the discussion in the final conference in Helsinki.

## **10. Joint Journal Article**

It has been decided that there will be a joint journal article compiled by the FlexWood team. Scope, journal and interested partners will be decided at the following meeting in Brussels and Helsinki. Barbara Koch of ALU-FR FeLis will lead the journal article compilation.

## 11. Video

If resources allow, a media professional will be hired to do a short video of the project. This could be used to inform interested stakeholders of the idea, scope and results of the project. A discussion and decision regarding this possibility will be made at the coming meetings. The production of the video could only commence after the project has been finalised.

## 12. Presentations, conferences, articles

As in the first 24 months of the project, the FlexWood partners will continue to be active in giving presentations, attending conferences and writing articles. A few of the planned events include for example the large German FoWiTa conference in Munich, several smaller focussed workshops in France, Sweden and Finland, the international ForestSAT conference in Oregon, SilviLaser 2012 and other national and international events. There are also several scientific journal articles planned by partners UEF, UMB, and Laval.