

FlexWood

Flexible Wood Supply Chain

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Dissemination and Networking Review Period 1



Responsible Partner University of Freiburg FeLis (ALU-FR)

Authors Alicia Unrau (ALU-FR FeLis)

Contributions from all partners

Project Coordinator University of Freiburg FeLis (ALU-FR)



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Coordination:



FeLis – Department of Remote Sensing and Landscape Information Systems
University of Freiburg
Tennenbacherstr. 4, D-79106 Freiburg, Germany
www.felis.uni-freiburg.de

Contact:
Prof. Dr. Barbara Koch: barbara.koch@felis.uni-freiburg.de
Alicia Unrau: alicia.unrau@felis.uni-freiburg.de



Partners:

Albert Ludwigs Universität Freiburg	ALU-FR	Germany
Stiftelsen Skogsbrukets Forskningsinstitute	Skogforsk	Sweden
FCBA Institut Technologique	FCBA	France
University of Eastern Finland	UEF	Finland
Technical Research Centre of Finland	VTT	Finland
University College Cork	UCC	Ireland
TreeMetrics Ltd	TreeMetrics	Ireland
Forest Research Institute of Baden-Württemberg	FVA	Germany
Norwegian University of Life Sciences	UMB	Norway
University of Natural Resources and Applied Life Sciences	BOKU	Austria
Polish Research Institute	IBL	Poland
Logica Ltd	Logica	Sweden
Foran Ltd	FORAN RS	Sweden
University of Laval	UL	Canada



Website: www.flexwood-eu.org

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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 activities carried out in the first 24 months of the project. It follows the format of the “Dissemination, networking and knowledge transfer implementation plan period 1”, in which a preliminary plan for month 1 to 24 was described.

The report is structured as follows: after an introduction to the project and WP tasks, the approach of the report is described. The main body of the report portrays dissemination coordination, material, and communication of the project. A list of dissemination activities is provided in the appendix.

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 1st, 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).

Dissemination

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

The “Dissemination, networking and knowledge transfer implementation plan” is used to identify and synchronise activities necessary to guarantee the achievement of these objectives.

2.1 Objectives of the Deliverable

Dissemination and Networking Review Period 1

This Dissemination and Networking Review is a Deliverable from Task 2100 and outlines the activities carried out in months 1 – 24 of the project. Taking these activities into account, a dissemination plan will be drafted to encompass the remainder of the project (months 25 - 36).

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 and the following report (Dissemination, networking and knowledge transfer implementation plan Period 2) have 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).

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. The questionnaire is being sent by each partner to relevant stakeholders.

Work Package 2000 Resources

As taken from the Periodic Report, the Person Months spent on Work Package 2000 in the first half of the project (please note this is Month 1 – 18, not Month 24) can be viewed below, along with the Deliverables and Milestones of this WP. The Person Months listed are rather conservative in relation to the activities reported in this review, as some activities are both part of dissemination and another WP, in addition to other synergy effects (for example, when a conference is being attended for more than one project).

Table 1 Person Months per partner for Work Package 2000

The table includes : Total Months, Month 1 – 18 and Remaining Months

Partner no	Partner name	WP 2000		
		Total Annex I	Month 1 - 18	Remaining P2
1	ALU-FR	5	2,46	2,54
	(FeLis;	3	1,56	1,44
	IWW;	1	0,3	0,7
	FobAwi)	2	0,6	1,4
2	Skogforsk	4	2,2	1,8
3	FCBA	2	1	1
4	UEF	2	0,1	1,9
5	VTT	3	0,3	2,7
6	UCC	2	0,85	1,15
7	TreeMetrics	1	0	1
8	FVA	1	0	1
9	UMB	1	0,5	0,5
10	BOKU	1	0,5	0,5
11	IBL	2	0	2
12	Logica	1	0	1
13	Foran	1	0,1	0,9
14	Laval	1	>1	0
Total		27	8,01	17,99

Table 2 Deliverables in WP 2000

Del. no.	Deliverable name	Delivery date	Status (pending/submitted/accepted)
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	Current Report
2.5	Dissemination, networking and knowledge transfer plan Period 2	Month 24	Pending
2.6	Dissemination and networking Final Report	Month 36	Pending
2.7	Implementation and exploitation plan Version 2	Month 36	Pending

Table 3 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

Following the format of the “Dissemination, networking and knowledge transfer implementation plan period 1”, this report has been divided into the categories: coordination; material and presentations; and communication. There is, however, overlap between these categories. To an extent, this report also reflects updates as to how the dissemination has evolved since the dissemination plan was designed.

As can be seen in the Table 1 above, the WP is only allotted a total of 27 Person Months for all partners for the entire duration of the project. This amounts to between one and four Person Months per partner. As this includes planning, organising and reporting, etc., it is very limited for a three year period. Both partners and the coordination focus resources on effective forms of dissemination given the resources available. Such challenges have been reflected in the dissemination activities and will continue to be taken into account for the next planning phase.

An overview of the dissemination activities of months 1 – 24 can be found in the appendix in table form.

4. Coordination

The coordination of dissemination and communication to be carried out within the context of the project can be seen as communication within the Consortium and coordination of contact with stakeholders. Optimal communication internal to the Consortium is obviously essential to the project success, but also highly beneficial to overall dissemination. Dissemination activities concerning stakeholders can be quite heterogeneous, consisting of a wide range of stakeholders from different geographic areas that are both directly and indirectly involved in forest management and the industry.

4.1 Consortium (internal)

Communication within the Consortium is carried out by email, over the internal website, by telephone and through meetings. A mailing list (flexall@felis.uni-freiburg.de) was set up at the beginning of the project and includes all members of the team. It is used to distribute information, organise meetings, and other similar tasks. A file repository set up on the project website makes important documents available to all partners. Another important means are teleconferences, which are held regularly between the Project Coordinator and WP managers and within WPs, including WP and Task managers. Between the Project Meetings, there have been larger Video Conferences, with ALU-FR FeLis hosting all partners. Generally, at least one member from each partner organisation attended these conferences and the minutes were recorded and circulated internally. The main video conferences were held 29.06.2010, 07.09.2010, 26.01.2011, and 19.09.2011. Smaller meetings within workgroups (within WPs or task groups) were arranged by the specific group.

4.2 Stakeholders

Considering the extensive scope of the project, it is not surprising that the stakeholders are very diverse. Most important is the selection of suitable distribution methods and content that reach the specific stakeholders; by necessity, this must be carried out on an individual basis. The general themes, group, regions and actors are illustrated here.

The primary cluster of FlexWood stakeholders is logically concentrated around the wood supply chain. Work Groups within the project investigate all facets of the chain, from laser scanning technologies, to harvesting, logistics and the saw mill industry. Together, the team explores the interdependencies, overlap and connections between these units, facilitating the flow of the chain as a whole. In this sense, there are two types of results from FlexWood that are interesting for stakeholders of the wood supply chain: each partner has expertise on a certain link in the chain, so the research and products of these smaller units are of interest to stakeholders of each respective field; furthermore, the project encompasses all segments of the supply chain, thus, the resulting FlexWood system as a whole is relevant for both stakeholders that are focussed on a unit of the chain, as well as stakeholders that concern themselves with the chain in its entirety.

Due to the interconnectedness of all environmental and social factors, the groups of interested and relevant parties could be extended further to include, for example, agricultural, conservation and policy work groups. These, however, play a secondary role to all other mentioned actors, especially due to the limited scope of the Dissemination WP.

Institutes, businesses and organisations involved in scientific and industrial aspects of the wood supply chain are those targeted in the dissemination of the project. This mirrors the

composition of the group, which includes major organisations from both the research and industry side. In terms of manufacturing processes, the project is focussed on the saw milling industry. In addition to these sectors, it is always of benefit to inform the general public of progress in research and innovation. Institutions or organisations involved in policy are, on the other hand, relevant to a much lesser extent.

Geographically, stakeholders can vary from a regional or national to European and world-wide level. Some results have a strong regional focus, such as the project's Use Cases, which are specific to France, Germany, Sweden and Poland (although they are representative of larger regions). Other results are interesting on a world-wide level, such as forestry laser scanning research findings, which are pertinent to a closely knit group of specialised scholars, amongst others.

4.3 Planning of dissemination and networking activities

A national dissemination plan was developed by each partner, as each is responsible for the dissemination to be carried out in their respective country. Each partner sketched an outline of their activities, identified the national target groups, major events and workshops they plan on attending in the first year, public relation activities and publications within the first period. The second "Dissemination, networking and knowledge transfer plan", encompassing the remainder of the project, is currently in draft form.

4.4 Implementation and Exploitation Plan

This Task was taken over by VTT in month 23 of the project and is in its first phase. The approach for the Task has been discussed at Project Meeting 4 in Cork, Ireland. VTT has designed a questionnaire and collected input from partners. The questionnaire is (in some cases) being translated and has been sent by each partner to relevant stakeholders.

5. Material and presentation

Dissemination and presentation material is available in the form of a project webpage, flyer, poster, power point, press release and texts.

5.1 Website

A webpage for internal and external use has been set up by UCC, filled and updated by ALU-FR FeLis and can be viewed at www.flexwood-eu.org. The website includes general information about the project and is continuously updated to include current project information, reports, technical papers and results. The website is in English, but includes the flyer with several languages (see "flyer") to download. Since the acceptance of many reports is pending and the majority of reports are due in the final phase of the project, the information posted has been limited; however, a solid basis has been developed for the second period.

Partners have access to other features available on the website, such as a file repository, where they post documents that should not be accessible to the public. This includes, for examples, the minutes from working groups and technical concepts. All project meeting presentations, information and minutes can be downloaded from the file repository, as well as administrative documents and deliverables. In relevant cases, it is used by WPs and Tasks as a platform to exchange preliminary results.

Each partner can post documents in the areas of the site for Consortium internal use and are also responsible for content posted on the site. The Task 2100 leader, ALU-FR FeLis, is mainly responsible for keeping the rest of the site updated, with UCC providing assistance. The content collection and website updates will continue to be carried out until the end of the project.

In addition to the project website, further online project presentation includes:

Websites of the respective partners: ex. ALU-FR FeLis & FCBA:

http://www.felis.uni-freiburg.de/projekte-en/Projekt1?set_language=en

http://www.fcba.fr/etudes_phares/resultat.php?id_fich=3607

A sub-website for polish audiences:

<http://www.ibles.pl/projekty/7pr/flexwood>

The site of the 'Natural Sciences and Engineering Research Council of Canada Strategic Network on Value Chain Optimization' in the section 'Activities & Networking / Around the World':

<http://www.reseauvco.ca/en/research/around-the-world/>.

The web portal is still under development and is only available to internal project members. It will also be set up to demonstrate the various pieces of software in the knowledge generation process across the supply chain. After the FlexWood system is complete, it will be tested by stakeholders and later viewable on the website.

5.2 Dissemination material: flyers, posters, press releases and articles

The layout of project material is particularly important for the memorability of the project. A professional, attractive and uniform design was developed for the project presentation and will be applied until the end of the project. An appropriate logo was chosen from a number of sketches created by a media designer. The final product was used as basis for the corporate design concept developed by ALU-FR FeLis. This has resulted in a uniform, memorable appearance of the project information and results, as can be seen in the flyer, presentation, poster and letter templates.



The FlexWood flyer has been widely distributed by all partners on an individual basis and at many regional and international conferences and events. Some of these events can be found in the dissemination list in the appendix.



Figure 1 FlexWood flyer (outside)



Figure 2 FlexWood flyer (inside)

The flyer is folded in four equally sized partitions; Figure 1 folds “in” from left to right, so that the front and back of the flyer are the final and third quarter, respectively. Figure 2 is visible after fully opening the flyer. The major facts, aims and benefits of the project are displayed. Four major languages (English, French, German and Polish) were chosen; the flyer was not translated into all languages of the project to avoid clutter and because English is widely understood. Designed by Alicia Unrau (formerly Woynowski), ALU-FR Felis.

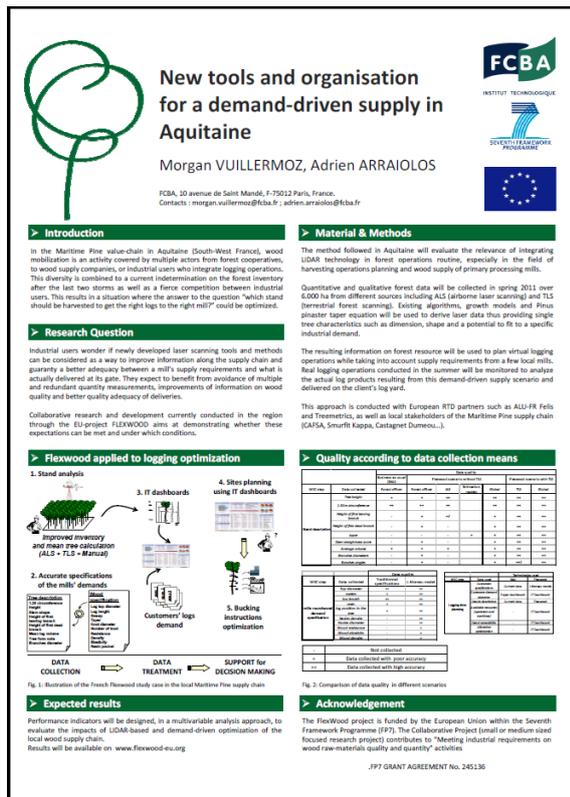


Figure 3 The layout of the FlexWood poster

The poster was designed by Andreas Fritz, ALU-FR FeLis; this example is from the partner FCBA.



Figure 4 FlexWood power point template used for project presentations

Designed by Alicia Unrau (formerly Woynowski), ALU-FR FeLis.

To establish a standard for the Deliverable of the project, a deliverable template is to be used as a base in reporting (as can be seen in this document) and can be adjusted as required. In addition, for formal letters, from both the coordinator and partners, a letter template is

available. Press release text has also been made available to all partners for the respective organisation's internal and external distribution.

As the project progresses, results will be presented in the form of scientific papers, which will inform the scientific community in peer-reviewed journals, and posters to be submitted at suitable events.

6. Communication

Communication with stakeholders has taken place through several means since the beginning of the project; an Advisory Board has been established, there has been individual contact with major stakeholders, presence as major conferences and events and the organisation and attendance of meetings and workshops.

6.1 Advisory Board

The Advisory Board members are sent periodic updates of project activities and are encouraged to comment on the progress of the project. In addition, many of the members are in direct contact with specific partners, usually the partner who nominated them and work within similar fields.

Table 4 List of the Advisory Board Members

Name	Organisation
Mr. Didier Pischedda	ONF – Office National des Forêt (France)
Mr. Martin Müller	Superintendent for logistics Bayrische Staatsforsten AöR (Germany)
Dr. Carsten Merforth	Holzindustrie Pfeifer GmbH (Germany)
Dr. Michal Zasada	Dean of Faculty of Forestry at Warsaw University of Life Science (Poland)
Andreas Kleinschmit von Lengefeld*	FTP (international)
Prof. Eldon Gunn	Dalhousie University (Canada)
Prof. Andres Weintraub	University of Chile (Chile)
Prof. Glen Murphy	Forest Engineering, Oregon State University (USA)
Mr. Pekka Ulvas	Koskisen Oy (Finland)
Ms. Katarina Levin	SCA (Sweden)

* Andreas Kleinschmit von Lengefeld has since left this position at the FTP. His successor will be asked if he is willing to be a member of the Advisory Board.

All members were invited to attend Project Meeting 2 in Bordeaux, France, in November 2010. Four members were able to attend: Mr. Didier Pischedda, Dr. Michal Zasada, Prof. Eldon Gunn and Prof. Glen Murphy. This was very beneficial, as the members could give direct feedback to the presentations and take part in the discussions.



Figure 5 Project Meeting 2, Bordeaux, France, attended by four Advisory Board Members

The Board members were also invited to Project Meeting 4, but due to time and resource constraints none were able to attend. Didier Pischedda provided the team with feedback to the Periodic Report prior to the meeting; this was discussed and has been commented on by all WPs. As an alternative to meeting attendance, which often proves difficult, it has been decided to request feedback from the members to the upcoming Deliverables. This is also in line with the external reviewer's suggestion that reports from the members be requested. At the end of the project, all members will be invited to the Final Project Meeting and the subsequent workshop.

6.2 Direct Dissemination

In addition to the Advisory Board Members (described above), all partners in the project have networks through which they communicate with individual stakeholders on a regular basis. Although the website provides a means to follow progress, direct contact was more prominent in the first portion of the project, as most written reports are due in the final phase of the project. Some of the more formal meetings can be found in the appendix under the rubric "seminar / presentation / workshop".

Moreover, the half-yearly meetings were used to interact with stakeholders by combining the Project Meetings with an excursion. This was beneficial in developing project ideas, interacting with industry and exploring similarities and differences between different regions. Each of the following excursions took place in a Use Case area of the project and involved presentations and valuable discussion between the FlexWood Consortium and local stakeholders.

Project Meeting 1 Excursion Österbybruk, Sweden, May 3rd, 2010

The excursion had two major focusses: Swedish forestry (forest planning, information handling, logging and transport of roundwood), as well as Logica's planning tool VSOP (relevant to industry demand, forest stands and operations). These were presented in cooperation between Korsnäs (<http://www.korsnas.com/en/>), the partner Logica and the hosting partner SkogForsk.

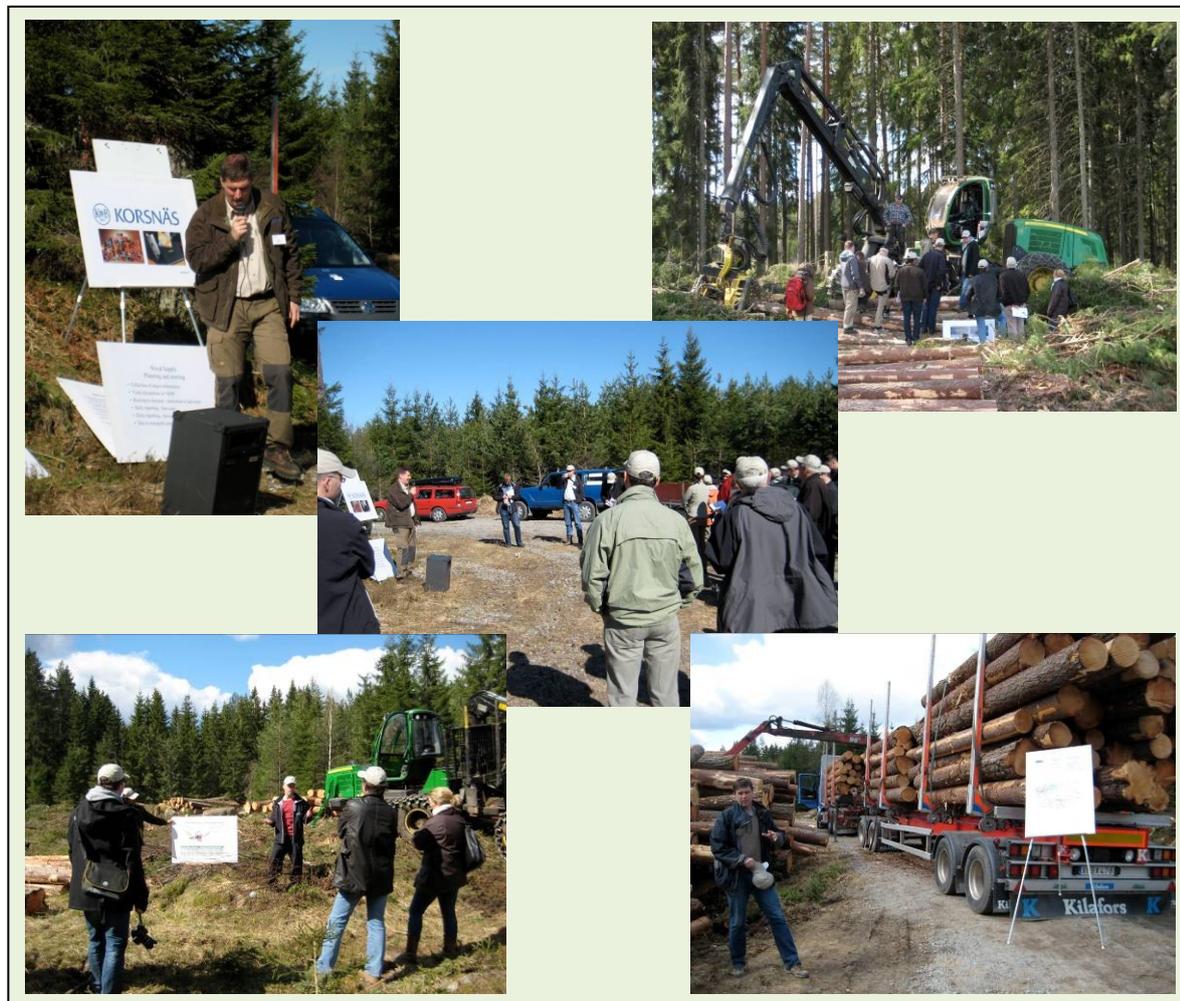


Figure 6 Project Meeting 1 Excursion Österbybruk, Sweden, May 3rd, 2010

Project Meeting 2 Excursion Aquitaine, France, November 17th, 2010

The excursion included a presentation, discussion and tour of the sawmill Lesbats Scierie D'Aquitaine (www.lesbats.com). Here, the topics following topics were presented and discussed: log reception and evaluation of the “quality” of supply; wood supply requirements and expectations; and process and resulting products (Maritime Pine). In addition, a harvesting site recently impacted by the 2009 storm and sanitary problems (bark beetle in 2010) was presented by industrials. The activities, roles, needs and expectations of forest resource owners, harvesting and exploitation and transport were discussed. The hosting partner was the FCBA.



Figure 7 Project Meeting 2 Excursion Aquitaine, France, November 17th, 2010

Project Meeting 3 Excursion Niepolomice, Poland, May 17th, 2011.

This excursion was led by the local forest district authorities in cooperation with the hosting partner IBL. The Niepolomice Forest District was portrayed; the State Forest Information System and timber marketing presented and on-site demonstrations were made by the authorities.



Figure 8 Project Meeting 3 Excursion Niepolomice, Poland, May 17th, 2011

6.3 Involvement with scientific and user federation bodies

Considering the project context, it was deemed not a viable or efficient use of resources to cooperate closely in the development phase of the project with standardisation bodies. However, members of scientific and user federation bodies will be invited to the final workshop.

6.4 Presence at major stakeholder and scientific events, presentations, conferences and workshops

The project partners were very active in attending conferences within the first 24 months of the project. Since the FlexWood system is still under development, it has been the idea behind the project and the separate research unit research and results that has been communicated and discussed. The list is much too long to be handled in detail here; the complete list can be found in the appendix.

Conferences/Seminars/Workshops

The conference and seminar presentations can be summarised as such:

Regions:

Local conferences in diverse countries in Europe, where partners have established connections to stakeholders: France, Germany, Sweden, Finland, Norway, Poland, Austria,

International conferences with global audiences; in addition to the countries above, these include: China, Korea, Canada, Spain, New Zealand, Australia, Latvia, South Africa, Chile, Denmark, Switzerland, Bangladesh, amongst others.

Examples of representation at major conferences include: FORMEC 2010 (July 2010, Italy), XXIII IUFRO World Congress 2010 (August 2010, Korea), SilviLaser 2010 (September 2010, Germany), 4th Forest Engineering Conference 2011 (April 2011, South Africa) and Silvilaser 2011 (October 2011, Australia).

Type of audience:

In accordance with the subject and goals of the project, the main types of audience within the wood supply chain have been the Scientific Community and Industry.

Size of audience:

The audience size varies between 1 and approximately 3000. Both conferences that reach a large audience and conferences/presentations with much smaller audiences are important; whereas the former raise awareness for the project on a higher level, the latter target specific stakeholders and are often implementation-oriented.

7. Continuous updates and quality control

Video Conferences and Project Meetings provided regular dates at which Dissemination was discussed and reviewed. This ensured that the resources could be focussed on the relevant dissemination means and any issues could be cleared up quickly.

8. Appendix: Dissemination list (month 1 - 24)

Conferences

Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
Conference	Logica	Mobilt GIS i Skogen ESRI Sweden	26/11/2011-27/11/2011	Stockholm	Industry	50	Sweden
Conference	ALU-FR - FeLis	A method for linking TLS- and ALS-derived trees, Silvilaser 2011	17/10/2011	Hobart, Australia	Scientific/ Industry	120	World-wide
Conference	ALUFR-FobAwi	Silvilaser 2011	17/10/2011-20/10/2011	Hobart, Australia	Scientific	120	World-wide
Presentation/Conference	UEF	Silvilaser 2011	17/10/2011-20/10/2011	Hobart, Australia	Scientific/ Industry	120	World-wide
Presentation/Conference	UEF	Silvilaser 2011	17/10/2011-20/10/2011	Hobart, Australia	Scientific/ Industry	120	World-wide
Presentation/Conference	UEF	The SNS-meeting in Forest Inventory and Forest Planning	17/08/2011 - 19/08/2011	Lycksele/ Sweden	Scientific	100	Nordic and Baltic countries
Conference	ALUFR-FobAwi	Council on Forest Engineering COFE	12/06/2011-15/06/2011	Québec, Canada	Scientific	160	North America / World-wide
Conference (with a proceeding) and Summer School	ULaval	34th Council on Forest Engineering Annual Meeting & Value chain optimization summer school; A SCOR-based framework to portray wood supply systems – Preliminary results from the United-States, France and Chile	12/06/2011-17/06/2011	Quebec City, Canada	Scientific/ Industry	30	Australia, Canada, Finland, France, Germany, New Zealand, Norway, South Africa, Sweden, Switzerland, USA
Conference	UMB	Forest planning	12/04/2011 - 13/04/2011	Drøbak, Norway	Scientific/ Industry/ Policy makers	66	Norway
Conference	ALU-FR FobAwi	4th Forest Engineering Conference 2011	05/04/2011-7/04/2011	White River, South Africa	Scientific	100	South Africa, EU, Europe non-EU, North America, South America, Australia, NZ
Conference	ULaval	SCOR-based framework to portray a wood	05/04/2011-07/04/2011	White River, South Africa	Scientific/ Industry	20	Australia, Canada, Denmark, Finland, France, Germany, Latvia, New

4th Forest Engineering Conference - Adapting to Structural Change		supply system - Presentation and application in wood supply chain of different countries					Zealand, Norway, South Africa, Sweden, Switzerland, etc
Conference	Logica	Presentation at SkogForsk U-konf10	11/02/2011 - 12/02/2011	Umeå	Industry	200	Sweden, Finland, Norway
Presentation at Conference	IBL	New methods of inventory data collection at the example of FlexWood project	26/01/2011 - 28/01/2011	Ustroń-Jaszowiec, Poland	Scientific/ Forest Service	40	Poland
Conference	Loigca	Presentation of Flexwood project on Logica User meeting for forest customers	25/11/2010	Gävle	Industry	50	Sweden
Conference	Logica	Presentation of Flexwood project on RIU forest conference	11/11/2010	Skinnskatteberg	Industry	40	Sweden
Conference	Logica	Presentation of Flexwood on ESRI forestry conference	27/10/2010	Stockholm	Industry	30	Sweden
Conferences Nordic-Baltic Conference on Forest Operations	Skogforsk	Scrutinizing the wood supply chain – reporting from work in progress	20/10/2010-22/10/2010	Biri, Norway	Scientific	20-40	Finland, Norway, Sweden, Latvia, Poland
Conference	ALU-FR - IWW	Silvilaser 2010	14/09/2010 - 17/09/2010	Freiburg, Germany	Scientific	200	World-wide
Conference	ALU-FR FobAwi	XXIII IUFRO World Congress 2010	23/08/2010 - 28/08/2010	Seoul, Korea	Scientific	2734	World-wide
Conference Symposium FORMEC 2010 - Forest Engineering: Meeting the Needs of the Society and the Environment	Skogforsk	Scrutinizing the wood supply chain – reporting from work in progress	11/07/2010-14/07/2010	Padova, Italy	Scientific	20	24 countries from Europe, Asia, USA, Canada and New Zealand
Conference	ALU-FR FobAwi	FORMEC 2010	11/07/2010 - 14/07/2010	Padova, Italy	Scientific	119	European Union, Europe non-EU, Asia, North America, New Zealand
Conference	Logica	Presentation at SkogForsk U-konf10	03/03/2010 - 04/03/2010	Västerås	Industry	200	Sweden, Finland, Norway
Conference	Logica	Presentation at SkogForsk U-konf10	24/02/2010 - 25/02/2010	Jönköping	Industry	200	Sweden, Finland, Norway
Conference	Logica	Presentation at SkogForsk U-konf10	17/02/2010 - 18/02/2010	Sundsvall	Industry	200	Sweden, Finland, Norway

Seminar/Presentation/Workshop/Exhibition

Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
Workshops	UEF	Act Now Conference	15/09/2011-16/09/2011	Joensuu	Civil society	4000	World-wide
Exhibition	ALU-FR-FeLis	Forest Day Karlsruhe	17/07/2011	Karlsruhe, Germany	Civil Society / Scientific	200	Germany
Summer School	ALUFR-FobAwi	Value Chain Optimization Network VCO	15/06/2011 - 17/06/2011	Québec, Canada	Scientific		North America / World-wide
Meetings with various companies	VTT	FlexWood Project in brief	01/01/2010 - 01/05/2011	Finland	Industry	2-5/meeting	Finland
Presentation at Arbeitskreis Forstlicher Luftbildinterpreten	FVA	Introduction and Progress in FlexWood	06/04/2011	Zürich	Scientific	10	Germany, Austria, Switzerland
Presentation	FORAN RS	Future dev. Flexwood concept	14/02/2011	Office, conf	Industry	1	Sweden
Presentation	FORAN RS	Future dev. Flexwood concept	07/02/2011	Office, conf	Industry	5	Sweden
Presentation	UEF	The ALS Research at UEF	15/12/2010	Joensuu, Finland	Scientific	30	Finland, Spain, China, Bangladesh
Workshop	BOKU	Value chains of small diameter hardwood	03/12/2010	Vienna	Scientific/ Industry	20	Austria
Presentation	FCBA	Presentation of the project to the two hosts of the Flexwood excursion during PM2: * LESBATS (sawmill) * CAFSA (forest cooperative)	17/11/2010	France (Bordeaux)	Industry	5	France
Presentation	FCBA	Presentation during the annual meeting of FCBA's sawmill commission	10/11/2010	France (Paris)	Industry (sawmilling)	25	France
Presentation	UEF	The use of crown metrics in tree level ALS detection	09/11/2010	Evo, Finland	Industry	50	Finland
Presentation	FCBA	Presentation at the professional fair "Vivons bois 2010"	05/11/2010	France (Bordeaux)	Industry (construction community)	50	France
Presentation/workshop	FORAN RS	Future dev. Flexwood concept	28/09/2010	Skeda udde Inn	Industry	Approx. 20	Sweden

Presentation at Arbeitskreis Forstlicher Luftbildinterpreten	FVA	Introduction to FlexWood	25/09/2010	Freiburg, Germany	Scientific	10	Germany, Austria, Switzerland
Presentation	FCBA	Presentation of the project to Smurfit Kappa	15/09/2010	France (Bordeaux)	Industry	2	France
Presentation	UEF	Utilization of non-parametric methods to map forest attributes using airborne laser scanning data.	25/08/2010	Soul, South-Korea	Scientific	100	World-wide
Exhibition	ALU-FR FobAwi	Interforst 2010	14/07/2010 - 18/07/2010	Munich, Germany	Scientific/ Industry	n/a	Germany, Europe
Workshop	UMB	Use of airborne laser scanning data and digital aerial photographs in vegetation mapping	22/06/2010	Oslo, Norway	Scientific/ Industry	15	Norway
Presentations	Logica	Presentation to all present Logica Forestry customer at project meetings	01/05/2010 - ongoing	Gävle, Sweden	Industry	60	Sweden
Seminar	VTT	Finnish Wood research Ltd presentations	09/04/2010	Lahti, FI	Industry/ Scientific	50	Finland
Project steering group meeting, DigiPos -project	VTT	FlexWood Project in brief	05/04/2011	Espoo, FI	Industry	12	Finland
Seminar	VTT	The final seminar of the project SISU Puu	09/03/2010	Tampere, FI	All	200	Finland

Website

Type of activity	Main leader	Title	Date	Place	Type audience	Size of audience	Countries addressed
Website/application Web site of the 'Natural Sciences and Engineering Research Council of Canada Strategic Network on	ULaval	The Flexible Wood Supply Chain Project (FlexWood) - Press release - Project flyer	01/01/2011	http://www.reseauuvco.ca/en/research/around-the-world/	Scientific/ Industry	n.a.	World-wide (English and French version)

Value Chain Optimization' in the section 'Activities & Networking / Around the World'.							
Sub-website in Polish language	IBL	FlexWood – Elastyczny Łańcuch Dostaw Drewna	2010	Internet: http://www.ibles.pl/projekty/flexwood/index.html	Open to all	Open to all	Poland
Website	FCBA	Information on FCBA's website "FLEXWOOD pour une chaine d'approvisionnement bois plus flexible"	01.11.2010	France	Forest-based sector stakeholders	N/A	France
Website/application	ALU-FR-Felis	EU-Büro des BMBF › Porträts EU-erfolgreicher Wissenschaftlerinnen:	01/08/2010	Bonn	Scientific	n.a.	Germany

Flyers

Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
Flyers	FCBA	Distribution of the Flexwood Flyer	01/12/2010	France	Forest-based sector stakeholders	N/A	France
Flyers	BOKU	Austrian Forest Forum	17/11/2010	Vienna	Scientific/ Industry/ Policy Makers	Ca. 100	Austria
Flyers	ALU-FR-Felis	Distribution of the Flyer at Silvilaser Conference 2010	14/09/2010 - 17/09/2010	Freiburg	Scientific	150	Germany

Poster

Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
Poster	ALU-FR-Felis	Poster session at Graduate School Day 2011	07/06/2011-08/06/2011	Freiburg	Scientific	40	Germany
Poster at Conference	ALU-FR IWW	An approach to combine two novel sensing-techniques for	14/09/2010 - 17/09/2010	Freiburg	Scientific	200	World-wide

SilviLaser		quality assessment of single trees and logs of branch diameters obtained by terrestrial laser scan data					
Poster	ALU-FR-Felis	Poster session at Graduate School Day 2010	2010-07-10	Freiburg	Scientific	50	Germany

Article/Publication

Type of activity	Main leader	Title	Date	Place	Type of audience	Size of audience	Countries addressed
Publication	UEF	Silvilaser 2011	17/10/2011-20/10/2011	Hobart, Australia	Scientific/ Industry	120	World-wide
Publication	UEF	Silvilaser 2011	17/10/2011-20/10/2011	Hobart, Australia	Scientific/ Industry	120	World-wide
Publication	FCBA	Rapport annuel 2010 FCBA's annual report (2010) presents Flexwood in its wood supply chapter	01/04/2011	France	Forest-based sector stakeholders	N/A	World-wide
Scientific article	ALU-FR-Felis	Journal: Schweizerische Zeitschrift für Forstwesen, 06-2011	08/02/2011	Frenkendorf	Scientific/ Industry	n.a.	Switzerland, Germany, Austria
Media briefing	VTT	Woodworking industry and ICT	11/01/2011	Lahti, FI	Media	25	Finland
Article	ALU-FR-Felis	Newsletter Kontaktstelle Frauen in die EU-Forschung im EU-Büro des BMBF	10/08/2010	Bonn	Scientific	Unknown number of newsletter subscribers	Germany
Articles published in the popular press	Treemetrics	Barking up the right...	08/01/2010	Dublin	Civil Society	300000	Ireland