



EFORWOOD

Sustainability Impact Assessment
of the Forestry - Wood Chain



Project no. 518128

EFORWOOD

Tools for Sustainability Impact Assessment

Instrument: IP

Thematic Priority: 6.3 Global Change and Ecosystems

Deliverable D6.3.4

EFORWOOD initial promotional material designed, produced and distributed through all partner networks

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Start date of project: 011105

Duration: 4 years

Organisation name of lead contractor for this deliverable: InnovaWood Ltd.

Final version

Project co-funded by the European Commission within the Sixth Framework Programme (2002-2006)		
Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

Content

- 1. Press release January 2006 – Kick-off meeting**
- 2. EFORWOOD Brochure**
- 3. EFORWOOD Poster (reduce to A4 size) original A0**

1. EFORWOOD Press release: Kick-off of the project

PR ref. No.: 01/06
19th January 2006

EFORWOOD Sustainability in the European Forest-Based Sector New pan-European project launched

Forestry, forest-based and related industries, including transport, and downstream stakeholders comprise a major economic cluster in Europe, with an annual turnover of some €550 billion, which equates to about 8% of the total value added in manufacturing industry in the EU. Some 3 - 4 million people are directly employed in forest-based industries in Europe. Forests fulfill multiple functions and provide the raw material for a wide range of goods such as timber, fiber and bio-energy, as well as services such as protection of water, soil, biodiversity and recreation. Sustainability has been a leading principle in the sector for centuries, and the multi-dimensional aspects of sustainability have been an important consideration for policy makers in the sector for many years.

In November 2005 a new Integrated Project under the EU 6th Framework Programme was launched in Uppsala, Sweden. The name of the project is **EFORWOOD**. It is a four-year integrated project involving 38 organisations in 18 countries, with an estimated total budget of €20 million – of which the European Commission contribution is approximately €13 million. The project is funded under the EU 'Global change and ecosystems' research activities in the Sixth Framework Programme.

EFORWOOD's aim is to produce what the team describes as a decision-support tool that can be used to evaluate the contribution made to sustainable economic, environmental and social development by and through the European forestry and forest-products sector.

This tool will measure the impact of the activities along the forestry-wood chain (FWC) from each of the three perspectives of sustainability. The overall tool will be the most important product of EFORWOOD. A user-friendly, web-based version will also be developed. It is intended that a number of existing tools, models and databases, identified as potentially useful for the integrated sustainability impact analysis of a forestry-wood chain, will be used and adapted for application in EFORWOOD.

As a Europe-wide effort to develop an assessment tool for sustainability impact of the forestry-wood chain, the EFORWOOD project is very significant. "For the first time ever, EFORWOOD will enable us to analyze the sustainability impact of the entire forestry-wood chain from a holistic perspective", says professor Kaj Rosén, coordinator of the project.

How will the EFORWOOD project work ?

The project will be developed in four phases. The first phase will focus on data collection and tool development for "Test Chains", i.e. simplified example value chains from the sector. Several test .

chains will be used in EFORWOOD (e.g. Norway spruce from Scandinavian clear-cut forestry ending up in construction timber in Western Europe or Eucalyptus wood produced in short rotation forest in Portugal, used for fine print and then after recycling ending in newsprint).

The second phase will include an assessment of a prototype tool with stakeholders. The tool will be extended to complete "regional cases", that are complete and real examples of FWCs. The regional cases will be selected in agreement with the European Commission during the first year of the project, based on three main criteria, (i) bio-geographical characteristics, (ii) regional

characteristics of the FWC, and (iii) the expertise of the consortium. Again, a re-assessment will be made.

In the third phase the model will be tested on the current European FWC. It will also be used to study scenarios of future FWCs and allow identification of the most sustainable economic, social and environmental options. The functioning of the tool for selected cases in the developing world will be tested. A user-friendly version will be made available for users representing industry and policy-making, and demonstration packages for the web will be made available.

The final phase will include synthesis and reporting of the project outcomes.

Additional Information available from the co-ordinator or on the web site

<http://www.eforwood.com/>

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For more information about the EU sixth Framework Programme, please go to:

<http://europa.eu.int/comm/research/fp6/>

2. EFORWOOD 2 page brochure



Sustainability Impact Assessment of the Forestry - Wood Chain

WHAT IS EFORWOOD?

EFORWOOD is a **four-year integrated project**, funded under the EU "Global change and ecosystems" research activity of the Sixth Framework Programme.

OBJECTIVE

The objective of EFORWOOD is to develop a quantitative decision support tool for Sustainability Impact Assessment of the European Forestry-Wood Chain (FWC) and subsets thereof (e.g. regional), covering forestry, industrial manufacturing, consumption and recycling.

PARTNERS

EFORWOOD includes **38 organisations** in **21 countries**, with total estimated budget of €20 million - of which the European Commission contribution is approximately €13 million.

EFORWOOD gathers a consortium of highest-class experts, including the most representative forest-based sector research institutions and the leading European industry confederations in the sector.

CONTACT

Duration:

September 2005 - October 2009 (4 years)

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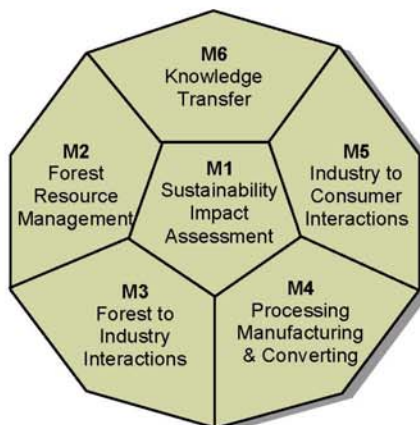
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MODULE STRUCTURE



EFORWOOD is organised in a modular structure.

Module 1 is the integrating module, where the common framework and tools for the SIA will be developed.

Modules 2 to 5 concentrate on the different aspects of the FWC from Forest Resources through to Interactions with Consumers and all in between.

Module 6 is focused on the dissemination of project results.

Module 0 includes the project management and the co-ordination of stakeholder interactions.

EFORWOOD PRODUCT

The **Tool for Sustainability Impact Assessment (ToSIA)** is the main product of EFORWOOD, which integrates major outputs from the Modules of the project. This tool will allow the assessment of the FWC, based on previously determined social, economical and environmental indicators and it will be developed as a dynamic analysis model, using a consistent and harmonized framework from the forest to the end-of-life of final products.

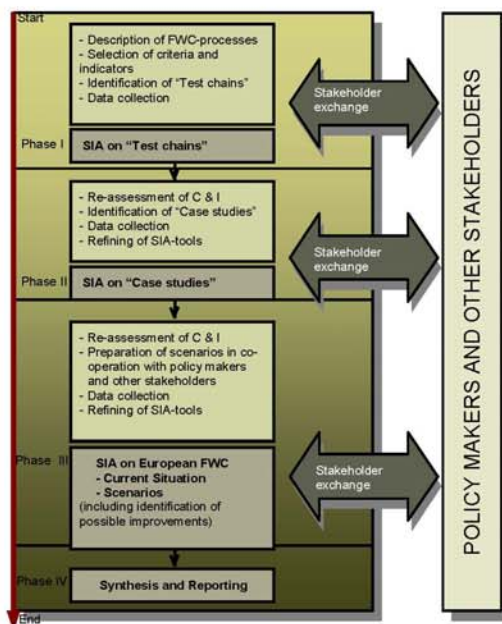
Several kinds of test chains will be used to test ToSIA, from simple test cases to regional cases and cases representing current European FWC.

A user-friendly, web-based version, **ToSIA-U**, will also be developed, including a menu-surface and context-help, allowing fast learning and application of the tool. A demonstration package of ToSIA-U, with selected case study data and policy scenarios, will be available on the Internet and it will also be used and disseminated in stakeholder training courses.





OVERALL WORK PLAN



The project will be developed in four phases:

Phase I will focus on data collection and tool development for "Test Chains".

After an assessment of the ToSIA prototype with stakeholders, the tool will be extended to complete "Case studies" in **Phase II**.

The model will then be tested on the current European FWC in **Phase III**. In addition, it will be used to study scenarios of future FWCs and allow identification of the most sustainable economic, social and environmental options. A test on selected cases in the developing world is planned. A user-friendly version will be made available for users representing industry and policy-making, and demonstration packages for the web will be prepared by Module 6 in close co-operation with Module 1.

Finally, synthesis and reporting of results will be performed in **Phase IV**. Global aspects of FWCs will be analysed by looking at mutual influences on levels of sustainability of inherent inter-dependencies between European and regions outside Europe.

PROJECT IMPACTS

The EFORWOOD tool will be valuable:


- across policy areas and elements of the FWC, such as Environmental issues related to forests and the FWC, (biodiversity, forest investments, timber supply&markets, forest-based industries, climate change); Social aspects (employment, rural development); and Economic aspects (e.g enlargement issues),
- across sectors influencing the European FWC, such as forestry, agriculture, environment, energy, transport, ITC and enterprise policies,
- across policy instruments (regulative, financial and informational), institutions and mechanisms including technical norms and standards,
- policy makers and stakeholders in negotiation, implementation or review of policies in different policy contexts, including the EU, the MCPFE (Ministerial Conference on the Protection of Forests in Europe), national authorities and international treaties.

PARTNER LIST

- AFOCEL - Association Forêt Cellulose (FR)
- AIDIMA - Asociación de Investigación y Desarrollo en la Industria del Mueble y Afines (ES)
- Alterra - Alterra BV, Centre for Ecosystems Studies (NL)
- ALUFR - Institute of Forest Utilisation and Work Science, and Institute for Forest Growth, Albert Ludwigs University, Freiburg (DE)
- BFH - Federal Research Centre for Forestry and Forest Products (DE)
- BOKU - Dept. of Forest and Soil Sciences, Institute of Silviculture, University of Natural Resources and Applied Sciences, Vienna (AT)
- BRE - Building Research Establishment (UK)
- CATIE - Dept. Natural Resources, Tropical Agricultural Research and Higher Education Center (CR)
- CEI-Bois - European Confederation of Woodworking Industries (BE)
- CEPF - Confédération Européenne des Propriétaires Forestiers (BE)
- CEPI - Confederation of European Paper Industries (BE)
- CIFOR - Center for International Forestry Research (ID)
- CIRAD - CIRAD, Forestry dept. (FR)
- CTFC - Centre Tecnologic Forestal de Catalunya (ES)
- EFI - European Forest Institute (FI)
- FR - Forestry Commission Research Agency (UK)
- FVA - Baden-Württemberg Forest Research Institute (DE)
- IBL - Dept. of Forest Management in Mountain Regions, Forest Research Institute (PL)
- IFE-MUAF - Institute of Forest Ecology, Faculty of Forest and Wood Technology, Mendel University of Agriculture and Forestry (CZ)
- IFER - Institute of Forest Ecosystem Research (CZ)
- IW - InnovaWood Ltd. (IR)
- INRA - Institut National de la Recherche Agronomique (FR)
- ISA - Instituto Superior de Agronomia (PT)
- JPC - JP Management Consulting (Europe) Oy (FI)
- KCL - OY Keskuslaboratorio – Central-laboratorium AB (FI)
- KCPK - Kenniscentrum Papier en Karton (NL)
- KVL - The Royal Veterinary and Agricultural University (DK)
- Savcor Indufor - Savcor Indufor OY (FI)
- SFI - Slovenian Forestry Institute (SI)
- SGGW - Dept. of Forest Utilisation, Faculty of Forestry, Warsaw Agricultural University, (PL)
- SILAVA - Latvian State Forestry Research Institute (LV)
- Skogforsk - The Forestry Research Institute of Sweden (SE)
- SLU - Sveriges Lantbruksuniversitet (SE)
- STFI-Packforsk - STFI-Packforsk AB (SE)
- TUZVO - Faculty of Forestry, Technical University in Zvolen (SK)
- UMB - Dept. of Ecology and Natural Resource Management, The Norwegian University of Life Sciences (NO)
- UR2PI - Unité de Recherché sur la Productivité des Plantations Industrielles (CG)
- VTT - Technical Research Centre of Finland (FI)



3. EFORWOOD Poster (original size A0)




EFORWOOD - Sustainability Impact Assessment of the Forestry-Wood Chain

What is EFORWOOD ?

EFORWOOD is a four-year integrated project involving 38 organisations in 21 countries, with an estimated total budget of €20 million – of which the European Commission contribution is approximately €13 million. The project is funded under the EU 'Global change and ecosystems' research activities in the Sixth Framework Programme.


EFORWOOD's aim is to produce what the team describes as a decision-support tool that can be used to evaluate the contribution made to sustainable economic, environmental and social development by and through the European forestry and forest-products sector.



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As a Europe-wide effort to develop an assessment tool for sustainability impact of the forestry-wood chain, the EFORWOOD project is very significant. "For the first time ever, EFORWOOD will enable us to analyse the sustainability impact of the entire forestry-wood chain from a holistic perspective", says professor Kaj Rosen, coordinator of the project.

EFORWOOD - Module structure



The EFORWOOD project is organized in seven different modules as outlined above.

How will the EFORWOOD project work ?

The project will be developed in four phases. The first phase will focus on data collection and tool development for "Test Chains", i.e. simplified example value chains from the sector. Several test chains will be used in EFORWOOD (e.g. Norway spruce from Scandinavian clear-out forestry ending up in construction timber in Western Europe or Eucalyptus wood produced in short rotation forest in Portugal, used for fine print and then after recycling ending in newsprint).

The second phase will include an assessment of a prototype tool with stakeholders. The tool will be extended to complete "regional cases", that are complete and real examples of FWCs.

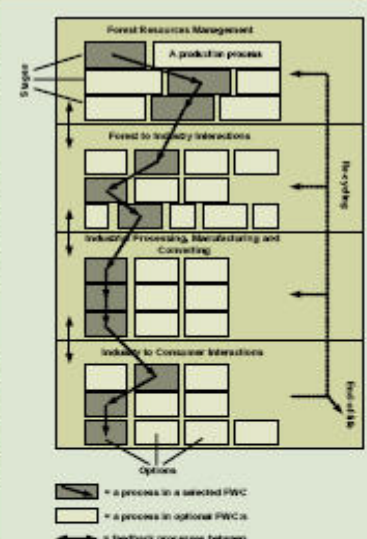
The regional cases will be selected in agreement with the European Commission during the first year of the project, based on three main criteria, (i) bio-geographical characteristics, (ii) regional characteristics of the FWC, and (iii) the expertise of the consortium. Again, a re-assessment will be made.

In the third phase the model will be tested on the current European FWC. It will also be used to study scenarios of future FWCs and allow identification of the most sustainable economic, social and environmental options. The functioning of the tool for selected cases in the developing world will be tested.

The final phase will include synthesis and reporting of the project outcomes.

ToSIA - EFORWOOD Tool


The EFORWOOD project will strive to develop an overall Tool for this Sustainability Impact Assessment for the forestry-wood chain. This tool will measure the impact of the activities along the forestry-wood chain from economic, environmental and social perspectives. The overall tool will be the most important product of EFORWOOD. A user-friendly, web-based version will also be developed. Existing models will be adapted as part of the work of the project.



The first phase will focus on data collection and tool development for simplified example value chains from the sector. An example is illustrated above.

ToSIA - U

A user-friendly version will be made available for users representing industry and policy-making, and demonstration packages for the web will be made available.



The EFORWOOD project is co-funded by the European Commission's Sixth Framework Programme, 'Global change and ecosystems' research activities.

For more information about EFORWOOD, please contact the project coordinator Dr Kaj Rosen, Skogforsk (kaj.rosen@skogforsk.se) or visit our portal www.eforwood.com

