



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 D4.0.8
M4 Periodic Management Report (Year 4)
Annual report 15 months

Due date of deliverable: Month 48

Actual submission date: Month 52

Start date of project: 011105

Duration: 4 years

Organisation name of lead contractor for this deliverable: BRE, KCL, INNVENTIA AB,
KCPK, PÖYRY, TUZVO and VTT

Project co-funded by the European Commission within the Sixth Framework Programme (2002-2006)		
Dissemination Level		
PU	Public	
PP	Restricted to other programme participants (including the Commission Services)	X
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)	

Section 1 - Justification of major cost items and resources

M4 partners

Partner 6 KCPK

WP 4.0 (0.5 months)

KCL is the Leader of WP 4.4, so the work done in WP 4.0 is associated with M4's reporting of WP 4.4. Moreover, KCPK was a member of the IP Board and the work reported includes attending IP Board meetings and teleconferences and all necessary work in preparation of these meetings and following up on decision and plans.

WP 4.1 (1.5 months)

- Contributing to WP 4.1 deliverables.
- Data collection for 2005 for all *social* indicators for all fibre products for all three regional cases (Scandinavia, Baden-Württemberg and Iberia).
- Data collection for 2005 for all *social* indicators for all fibre products for the EU-FWC.
- Developing a method for estimating future social data in the FWC industry.
- Indicator estimations for reference futures A1 and B2 and scenarios in 2015 and 2025 for all *social* indicators for all fibre products for all three regional cases.
- Indicator estimations for reference futures A1 and B2 and scenarios in 2015 and 2025 for all *social* indicators for all fibre products for the EU-FWC.
- Responsible author of PD4.1.10.

WP 4.2 (0.5 months)

- Contributing to WP 4.2 deliverables.
- Responsible author of PD4.2.9.
- KCPK (together with VTT) coordinated the M4 technology scenario and has supported all WP 4.2-related issues in this as such.

WP 4.3 (0.5 months)

- KCPK (together with VTT) is scenario representative of M4. This includes:
 - coordinating the technology scenario (driven by M4);
 - coordinating the process and the communication with other Modules concerning this scenario.
- KCPK further supports the WP-leader (Pöyry) in terms of reviewing and commenting on deliverables and milestones.

WP 4.4 (1.0 months)

KCPK is the Leader of WP 4.4. This includes:

- Coordinating the activities in this WP.
- Using existing industrial networks (representative industry confederations on European level like CEI-Bois and CEPI and their member federations) to generate information and test and disseminate M4-specific information. (Central in these interactions has been the various committees and working groups on e.g. Research, Environment, Sustainability, social matters, building and living with wood etc. of these organizations that mainly consist of industrial representatives and which interact with Commission representatives on relevant matters within their area on a regular

basis.) Focusing towards availability and quality of existing data for WP 4.1, towards future technological and economic development of the various value chains which are applied by WP 4.2 and 4.3, and to future scenario's that are used as input by WP 4.4 towards WP 1.4.

- In close cooperation with WP 0.1 and WP 6.1 dedicated actions (both at general association level in Brussels and in the Baden-Württemberg Case Study with local representatives) have been taken to assure the maximum involvement of relevant industrial representatives on the one hand and to assure the acceptance and inclusion of the results on the other.
- Participation in EFORWOOD meetings in Freiburg, Uppsala and other internal M4 meetings.

Partner 7 Innventia (STFI-Packforsk)

WP 4.1 (5 months)

- Innventia participated in the environmental indicator data collection for paper products' processes (newsprint, container board and carton board production) in the EU-FWC and Scandinavian Case Studies. Calculations of future data of 2015 and 2025 and scenarios data for Case Studies and the EW-FWC. Development of methodological issues together with other M4.

WP 4.2 (1.3 months)

- Revision of the Scandinavian topology was undertaken by Innventia together with identifying innovative technologies.
- Participation in EFORWOOD meetings in Freiburg, Uppsala and other internal M4 meetings.

Partner 15 VTT

WP 4.1 (2.5 months)

VTT has been responsible for collecting the Nordic countries' solid wood indicator data in the Scandinavian Case Study and in the EU-FWC Cases and future technologies in the Nordic countries. VTT has also been responsible for bio energy data collection and topology (economic, environmental and social indicators) together with Pöyry.

WP 4.2 (2.5 months)

- Finalizing of the Scandinavian Case Study together with KCPK. Responsible for technology development data for different solid wood manufacturing processes. VTT has evaluated the results from the EFI – GTM runs in order to provide realistic financial indicator values and analysed scenarios from the industrial point of view.
- Providing Module specific model runs with realistic SIA-features for demonstration purposes and evaluation of ToSIA.
- VTT has contributed in writing deliverables D4.2.15 Lesson learned in WP 4.2 Review, Implication and way forward and D4.2.11 Value added wooden components in Western Europe. VTT has also written the solid wood part for the EFORWOOD final report from M4.
- Participation in EFORWOOD meetings in Freiburg, Uppsala and other internal M4 meetings.

Partner 16 BRE

WP 4.0 (0.5 months)

BRE is a co-coordinator of M4. BRE is also responsible for the wood based products stream (solid wood products) in M4 and, therefore, negotiates and collaborates closely with M3 and

M5. BRE has organised both teleconferences and physical meetings for M4 partners and has reviewed WP 4.0 reports as well. BRE has participated in EFORWOOD meetings in Freiburg, Uppsala and other internal M4 meetings.

WP 4.1 (4 months)

BRE leads the solid wood stream in M4 and collaborates closely with other modules/M4 partners in definition of case studies and collecting data.

- Data was collected and calculated in both the Baden-Württemberg Case Study and for the Western/Central/Southern region in the EU-FWC for all solid wood processes - social, environmental and transport indicators.
- Data was collected for the base year of 2005 and calculated in all four reference futures (A1 2015, A1 2025, B2 2015, and B2 2025) and in the two bio energy scenarios within the Baden-Württemberg Case Study.
- Social data was also collected for the Eastern region of the EU-FWC.
- Product shares, split ratios and conversion factors for all solid wood products and processes were calculated for both the Baden-Württemberg Case Study and the EU-FWC in the Western/Central/Southern region.
- BRE has also been reviewing reports on a regular basis.
- Assisted with the development of a method for estimating future social data in the FWC industry.
- Contribution to WP 4.1 deliverables.

WP 4.2 (6 months)

BRE is the Leader of WP 4.2 and was the main author of the following reports:

- Deliverable D4.2.11 'Response factors: Background, Practical implications and their use in ToSIA'
- Deliverable PD4.2.12 'Sustainability Indicators for FWC; Background of approaches for reference futures'
- Deliverable D4.2.15 'Lessons learned in WP 4.2: Review, implication and the way forward'

WP 4.3 (1 month)

- Support to the Leader of WP 4.3 (Pöyry) in terms of reviewing and commenting on deliverables and milestones.
- Manages interlinks with WP 4.2 and WP 4.3 when necessary.

WP 4.4 (1 month)

- BRE is taking a steer from Innventia (STFI-Packforsk) on the role that has to be re-scheduled due to CEI-Bois change of role.
- BRE will participate in the industry –research consortium relationship.

Partner 18 Pöyry

WP 4.1 (5.5 months)

Responsible for indicator data collection of:

- Bio-energy data together with VTT.
- Economic data for all European countries in the EU-FWC Case Study.
- Data for solid wood processes.

WP 4.3 (6 months)

Pöyry is the Leader of WP 4.3. This includes:

- Supporting and data input to WP 1.3 / EFI-GTM-model.
- Participation in the compilation of the “import-export bucket”- concept.
- Development and writing of the following reports:
 - PD4.3.9 Final report on value added model and response functions (Month 44);
 - PD4.3.10 Final report on the industry’s competitiveness and its impact on the industry dynamics (Month 42);
 - D4.3.11 Final report on the interdependence between the agents within the FWC (Month 45).
- In addition, WP 4.3 has actively participated in the reference future and scenario work, and helped in interpreting and checking ToSIA results.
- Working closely with WP 4.1. – e.g. model mills and inter and intra module flows.
- Working closely with WP 4.2. – e.g. development of response functions.
- Participation in Import-export training.
- Organising M4 meeting in Pöyry.
- Organising correction factor meeting in Pöyry.
- Participation in module internal meetings.

Other partners supported the Leader of WP 4.3 in terms of reviewing and commenting on deliverables and milestones.

Participation in EFORWOOD meetings in Freiburg, Uppsala and in other internal M4 meetings.

Partner 26 KCL

WP 4.0 (2 months)

- KCL was Leader of M4 during the last year of EFORWOOD and of WP 4.1 since 2007, so the work done in WP 4.0 was associated with M4 leadership and official final reporting of M4 and WP 4.1.
- KCL edited the M4 part of the Final Publishable EFORWOOD Report, and was responsible for writing the section concerning the environmental indicators relevant to the industry.
- Internal review of the final reports of WP 4.2 and WP 4.3.
- WP 4.0 has arranged and participated in several physical and telephone M4 meetings during EFORWOOD Year 4. Meetings were also held during the EFORWOOD Weeks in May and September 2009. M4 has been active in finalizing the Case Study data collection and the method development of the data collection protocol, and more coordination was needed compared to previous years.

WP 4.1 (4 months)

KCL is the Leader of this WP. The work has consisted of the following actions:

- Coordinating data collection responsibilities in M4.
- Coordination of Deliverable D4.1.9 (was finalized by Month 40).
- Coordination of Deliverable PD4.1.11.
- Internal review of Deliverable PD4.1.10.

- Participation in process mappings for the Case Studies and the EU-FWC.
- Data collection for environmental indicators, input/output shares, conversion factors and split ratios for market pulp, magazine paper and fine paper in all Case Studies including the EU-FWC and for one newsprint processes in the Iberian Case Study for 2005, reference futures A1 and B2 and scenarios in 2015 and 2025.
- Participation in the development of the import/export bucket-concept for the EU-FWC.
- Participation in data validation of ToSIA results.

WP 4.2 (1 month)

- Contributing to Deliverable PD4.2.11.
- Contributing to Deliverable D4.2.15.
- Internal reviews of Deliverables PD4.2.11 and D4.2.15.

WP 4.3 (1 month)

- Internal review of Deliverables PD4.3.7, PD4.3.8 and PD4.3.9.
- Following the situation in WP 4.3.

WP 4.4 (1 month)

- Informing the Finnish forest industry about EFORWOOD results.

Partner 33 TUZVO

WP 4.1 (2 months)

TUZVO was responsible for collecting and checking the environmental and social solid wood indicator data for the EU-FWC chain from the Eastern European countries.