



EFORWOOD

Sustainability Impact Assessment
of the Forestry - Wood Chain



D5.1.4 Report on process identification and aggregation including data for ToSIA test chains. In a FWC sustainability perspective, key aspects and processes are identified an interacting final value chains. Aggregation level of processes is suggested to be used for further work.

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Executive Summary

This deliverable includes the results of the mapping process of Work Package 5.1.1 (Mapping, aggregation of processes and value chains for final products) in Module 5 (Industry to consumer interactions) of the Eforwood project.

Main objectives of this deliverable are the following ones:

- a. To state the role of WP5.1 within the general Eforwood project context.
- b. The identification of the methods and processes to be fulfilled for working out with WP 5.1. Methods should be related to:

Mapping for processes related to FWC products in the final links of the supply chain, including the interaction between industrial manufacturers and distributors, retailers, professional users and end-users (consumers).

Aggregation of the before-mentioned processes, establishing the boundaries and limits of FWC final interaction between industry and end-users.

This deliverable fits in the Module 5 specific objectives in the extent that planning and actions presented here will be the operational basis for further work, including the development and fulfilment of WP 5.1. The focus of WP 5.1 is intrinsically related with the more general objectives of Eforwood. Mapping and aggregation of processes will be useful for further identification of reference chains at test, regional and EU level, having an operational frame in which new FWC tests may be implemented. Furthermore, to map and aggregate processes and products in interacting value chains will lead in next years of the Eforwood project to an appropriate implementation of sustainability impact assessment (SIA) tools applied to similar chains. The sustainability issue is a key point of Eforwood, focusing on evaluating the impact in terms of sustainability along different forest and wood-based interacting value chains.

Module 5, and particularly WP 5.1, will contribute to the general objectives of Eforwood by including the consumption perspective in the global analysis, being crucial for a comprehensive understanding of the final links of the supply chains. Forestry-Wood-Chain products are organised in a supply chain in which raw materials, intermediate materials and finished goods are procured through a chain of processes that supply one another. This chain of processes is reflected in the modular structure of the project. The contribution to the rest of Eforwood modules will be clear in the extent that this deliverable will identify the final links of the FWC, complementing the analogous work performed by the rest of modules in preceding stages of the

FWC (Module 2: Forest Resources Management; Module 3: Forest to Industry Interactions; Module 4: Processing and Manufacturing):

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Particularly, mapping of this deliverable has been aligned with that one of Module 4, so industrial boundaries are agreed and no overlapping is generated in the global FWC. The inputs of Module 5 are the outputs of the processes in Module 4. Potential contribution of WP 5.1 to other modules includes the implementation of interacting processes between industry and consumption in ToSIA, which can be characterised as a dynamic FWC pathway analysis model. Thus, this deliverable should make clear the processes between industry and consumption when implementing further FWC in ToSIA. Moreover, testing the tool in a stepwise procedure with different cases (regional, etc.) will allow adjustments to be made according to the experiences gained in the starting stages of Eforwood. Virtually, changes might be proposed to upstream modules to improve FWC product's functional performance with a view to improve the level of sustainability in interacting value chains. By fulfilling these aims, WP 5.1 will contribute to the enhancement of ToSIA utility for stakeholders and the European forest industry in general.