FROM FOREST TO FURNITURE Towards a circular value chain



Wednesday 29 November 2023 15.00- 17.00 YUMAN





www.ecores.eu

YOUR HOST TODAY: ECORES

EcoRes is a sustainability consultancy cooperative that assists companies, public organisations and territories on the transition towards a regenerative and circular economy.

EcoRes provides a wide range of services related to studies and research, training and coaching activities around sustainability challenges.



CLIMATE RESILIENCE

EcoRes supports and empowers you to ensure the climate resilience of your business or territory.



CIRCULAR ECONOMY

EcoRes supports you in the implementation of your circular economy strategy.



EcoRes supports and coordinates dynamic approaches to social innovation within the ecological transition of our society.



FOOD SYSTEM

EcoRes supports you to develop your strategic plan in sustainable food and/or sustainable agriculture.



15.00 - 15.10

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WELCOMING WORDS

15.10 - 15.30

SUSTAINABILITY IN THE FURNITURE INDUSTRY - RECENT DEVELOPMENTS IN BELGIUM

15.30-16.00

INTRUST - E-LEARNING SOLUTION FOR THE WOOD-FURNITURE VALUE CHAIN ERWAN MOUAZAN - CIRCULAR ECONOMY MANAGER ECORES

16.00-16.20

PEFC, A SUSTAINABILITY TOOL MAJA DRČA – PEFC EU REPRESENTATIVE

16.20-17.00

CIRCULARITY IN THE FURNITURE SECTOR : COMPANIES TESTIMONIALS AND Q&A SME REPRESENTATIVES

17.00

CLOSING WORDS AND NETWORKING

AGENDA FROM FOREST TO FURNITURE



Sustainability in the furniture industry Recent developments in Belgium

Filip de Jaeger - COO FEDUSTRIA





Intrust ERASMUS+ project Elearning solution for the woodfurniture value chain

Erwan Mouazan, Ecores



CONTEXT



INTRUST

TRAINING SOLUTIONS FOR WOOD CERTIFICATION

THE BIG PICTURE

Over the recent years, public opinion awareness on the issues of **sustainable forest management** in light of climate change has increased.

Forests are indeed an important factor in mitigating climate change. They provide **a wide range of ecosystem services**, such as carbon sequestration, protection of soil from erosion and, beyond creating economic value, offer opportunities for recreation.

Currently however, **30% of the wood used in the EU** comes from countries where illegal logging and partial deforestation is usual.

In this context, **certified forests**, wood and products, combined with **eco-design** and framed within a **circular economy** can be considered as the most appropriate approach to deal with this issue.





MANAGING THE SUSTAINABILITY OF FOREST BASED PRODUCTS...

In today's market, **environmentally-friendly products can bring clear competitive advantage** due to the rapid increase of consumers concerned about the environmental impact of their activities and goods they purchase. This in turn, results in a **market trend to buy certified products** instead of non-certified products.

In this context, different certifications have been created to manage forest-based products (ie: PEFC, FSC).

Such schemes are normally integrated into environmental management systems, based on standards like **ISO 14001** or **EMAS**, that, along with other tools and schemes **like life cycle assessment** and Ecolabels, help companies in the processes and procedures related to the use of certified wood in construction or furniture manufacturing.

It can be however challenging to know which tool/approach to use!





...WITHIN THE TWIN TRANSITION



The *rise of Industry 4.0* (14.0) leads to the discussion of how forestry and the wood sector in general can benefit from this development.

The economic potential of Industry 4.0 in forestry could lead to an increased 15% value. Smart wood supply chains are slowly reshaping the industry with several new applications in use or in research and development.

This revolution can lead to *significant changes and new value creation.*

The combined **green and digital transition** thus offer a promising avenue for manufacturing enterprises of the sector.





INTRUST TRAINING SOLUTIONS FOR WOOD CERTIFICATION

PROJECT OBJECTIVES

INTRUST OBJECTIVES



INTRUST project targets professionals from the wood value chain (forest operators, managers and employees from furniture-related companies) to **increase their professional skills and competences in relation to the twin transition of the sector**.

On one hand, the project aims to **support the sector in recognizing, choosing and implementing the right sustainable certifications.**

On the other hand, Intrust aims to support the sector in developing a **relevant body of knowledge associated with the digital transition**.



OUTCOMES



INTRUST

TRAINING SOLUTIONS FOR WOOD CERTIFICATION

RESULTS





STATE OF THE ARTS REPORT

on the situation of forest, wood and furniture certifications and I4.0 solutions



COLLABORATIVE PLATFORM

to access relevant knowledge on the twin transition in the forestwood-furniture value chain



COACHING TOOL to get started on your certification process



ELEARNING COURSE

to increase your expertise through a set of eLearning modules on sustainable certifications and industry 4.0



CONSORTIUM

INTRUST TRAINING SOLUTIONS FOR WOOD CERTIFICATION

A EUROPEAN PARTNERSHIP





CETEN

Technical Research Centre of Furniture and Wood of the Region of Murcia







University of Forestry



INTRUST TRAINING SOLUTIONS FOR WOOD CERTIFICATION

STATE OF THE ARTS REPORT

The report *Twin Transition In The Wood-Furniture Value Chain* (2022) provides an overview on the **current environmental and digital trends and practices** affecting the wood value chain in its entirety. Taking a value chain perspective, the report outlines **regulatory trends, new digital and technological development**, as well as emerging practices that are to affect the sector as a whole.

"By implementing intelligent systems and new production processes, European SMEs can optimize usage of raw materials, improve their waste management and contribute to the development of a circular economy. This digital and green transition however will not be implemented if the staff among the value chain does not acquire the right knowledge and skills on the value offered by industry 4.0 in developing more sustainable management practices."





ELEARNING PLATFORM

INTRUST TRAINING SOLUTIONS FOR WOOD CERTIFICATION



https://intrust.learning-platform.eu

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INTRUST

Co-funded by the Erasmus+ Programme of the European Union









https://intrust.learning-platform.eu

CONTENT



Module 1- Sustainability in the Forest-Wood Value Chain

Introduction to the sector Key environmental impacts

Challenges to overcomes

Module 2- Introduction to Industry 4.0

History and Development Benefits, Opportunities and Challenges Key applications in factory, woodworking and furniture

Module 3- EU Regulatory Landscape on Digital and Green Transition

Framework, directives, regulations with green and digital transition

Module 4- Sustainable certifications for the forest-wood value chain: Woodworking

Overview of labels and certifications

Module 5- Key enabling Technologies in the Woodworking Sector KETs Overview

Module 6- Closing the Loop in the Forest-Wood-Furniture Sector

Circular Economy as an enabling transition energy

Circular Business Models in the Forest Wood Furniture Value Chain Unit

Marketing for the Circular Economy Bridging Digitalisation and Circular Economy Circular Economy Cases in the Forest-Wood-Furniture Value Chain

PEDAGOGICAL APPROACH



	🔔 Intrust - module 6 - learning unit 1 - Circular economy as a	n enabling transition strategy
INTRODUCTION TO INDUSTRY 4.0		A regarder plus tard - Partager
Instruction Description We not not hold what 2 - Introduction to Industry 4.0. This module has 6 Learning Units: 1. History and Development 2. Breefits, Opportunities and Challenges 3. The Opportunities 1. The Impacts 3. Addressing the Major Challenge - Need for a Skilled Workforce in the Context of Global Competitivenness 4. Rey Applications in Factory, Woodworking and Furniture Score Score State 2%	<section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header>	<image/>

for each module:

- Short video lectures
- Animation videos detailing specific concepts
- interactive exercices

TO GO FURTHER

A set of 6 textbooks for each module to access full content, references, additional resources...

These textbooks will also be made available separately on the project website



EVALUATION



Multiple choice questions, and other exercices after each module to validate learnings

Learners completing the 6 modules (+/- 30 hours of self studying) and succesfully completing the evaluations receive a certification. Drag the words into the correct boxes





INTRUST TRAINING SOLUTIONS FOR WOOD CERTIFICATION

COACHING TOOL

Coaching tool

The INTRuST digital guidance and coaching tool assess **15 different green** certificates and standards.

Among these are well known international FSC, PEFC, the EU Ecolabel and Environmental Product Declaration (EPD), along with some regional ecolabels like the Nordic Swan, the Blue Angel and the Austrian Ecolabel, and some labels and standards for organizations like ISO14001 and the EU eco-management and audit scheme (EMAS).

These are rated through a set of preferences given by the company, like sector, export region and business model on the one hand and the environmental aspects covered by the label and standard on the other hand like climate change, water resources or plastic pollution.



Which sector does your enterprise belong to? Forestry and logging Silviculture and other forestry activities Logging Gathering of wild growing non-wood products Support services to forestry Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials Sawmilling and planing of wood Manufacture of products of wood, cork, straw and plaiting materials Manufacture of veneer sheets and wood-based panels Manufacture of assembled parquet floors Manufacture of other builders' caprentry and joinery Manufacture of wooden containers Manufacture of other products of wood: manufacture of articles of cork, straw and plaiting materials Manufacture of furniture Manufacture of office and shop furniture Manufacture of kitchen furniture Manufacture of mattresses Manufacture of other furniture Other



Final project steps

- ✓ Finetuning of training content following pilot.
 (50 first users have tested the course this fall)
- ✓ Translation of platform into partner's languages (English and French, German Spanish, Bulgarian and slovene).
- ✓ Finalisation of coaching tool.

To be updated on results: Register to the <u>newsletter</u> join the <u>linkedin</u> group or visit **www.intrust-project.eu**



Intrust-project Training solutions for wood certifications



Intrust Insider #3

The INTRUST Insider offers every six months a summary of the latest news and activities of the INTRUST project. You will also find interesting news in the field of sustainability in the wood-furniture sector, spotted and selected for you by the INTRUST partners. If you want to receive the INSIGHT insider in your mailbox, subscribe <u>here</u>.



INSIDE INTRUST Discover the latest news from the project!

INTRUST 4th

transnational

meeting!



The fourth transnational partner meeting of the project was held on June 7 and 8, 2023 in Izola, Slovenia. Partners discussed the development of the project results (an interactive elearning course and coaching tool). The forthcoming pilot training will be held in the fall.





PEFC a sustainability instrument Maja Drča - PEFC Europe



Co-funded by the Erasmus+ Programme of the European Union

Sonian wood coop



Co-funded by the Erasmus+ Programme of the European Union

Mobitec

Marie Claeys - Sustainability manager











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