INTRUST
TRAINING SOLUTIONS FOR WOOD CERTIFICATION

INTRUST
Joint Curriculum Design Summary

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Lead partner

Associated organisations

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INTRuST project aims to increase knowledge, skills and raise awareness about certification schemes in forest and wood-based sectors through the design of a new curriculum on environmental strategies and certifications. The project also seeks to improve wood and furniture manufacturers' digital readiness through the development of an I4.0-specific training in the forest and wood value chain (i.e., twin green and digital transitions).

The project is aimed at developing and testing a digital guidance tool, delivering multilingual training through a customized e-learning platform, providing innovative and interactive training materials, and promoting the use of open, online and multidisciplinary educational approaches. INTRuST partnership brings together experts in technology, wood certification, forestry, energy consumption, forest certification and environmental marketing from different VET institutions, research entities and industry representatives from the project partner countries.

More information about the project at: intrust-project.eu

This document is aimed at introducing the Joint Curriculum developed in the framework of the INTRuST project.

The Joint Curriculum was designed and developed following the *Learning Outcomes Approach* according to the principles of the European Credit System for Vocational Education and Training (ECVET) in order to support lifelong learning, the flexibility of learning pathways and the assessment, recognition, and accumulation of the learning outcomes by the potential learners. The guiding principles of the European Quality Assurance in Vocational Education and Training (EQAVET) and the requirements of the respective National Qualifications Frameworks of the participating countries, i.e. Germany, Belgium, Bulgaria, Slovenia, and Spain, were also taken into consideration.

According to the Recommendation on the European Qualifications Framework - EQF5, the learning outcomes are defined as *'statements of what a learner knows, understands and is able to do on completion of a learning process, which are defined as knowledge, skills and competences'*..

In the context of the INTRuST project, content developers defined the different learning outcomes with the suggestions of the sector experts and VET authorities using the terms of Knowledge, Skills and Competences according to the Council Recommendation on the European Qualification Framework for lifelong learning.

Knowledge means the outcome of the assimilation of information through learning. Knowledge is the body of facts, principles, theories and practices that is related to a field of work or study. In the context of the EQF, knowledge is described as theoretical and/or factual.

Skills means the ability to apply knowledge and use know-how to complete tasks and solve problems. In the context of the EQF, skills are described as cognitive (involving the use of logical, intuitive and creative thinking) or practical (involving manual dexterity and the use of methods, materials, tools and instruments).

Competences mean the proven ability to use knowledge, skills and personal, social and/or methodological abilities, in work or study situations and in professional and personal development.

The main beneficiaries of the developed Joint Curriculum are the target groups defined by the INTRuST project:

- Forestry managers;
- Wood and furniture companies;
- Professionals from woodworking and wood-related sectors;
- VET providers and higher education institutions specialized in the wood sector;
- Regional, national and European employees and employers associations;
- Students, self-learners, and unemployed people interested in practical e-learning materials on sustainable certifications in the forest-wood value chain.

The developed Joint Curriculum is consisted of the following six training modules:

1. Sustainability in the forest-wood value chain
2. Introduction to Industry 4.0
3. EU regulatory landscape on digital and green transition
4. Sustainable certifications for the forest-wood value chain
5. Key enabling technologies for the forest-wood value chain supporting green transition
6. Closing the loop in the wood sector

Module 1 provides an overview of the sustainability challenges faced by the European forest-wood value chain (introduction to the sector, key environmental impacts, and challenges to overcome); Module 2 provides an overview of Industry 4.0 (history and development, benefits, opportunities, and challenges, key applications in forestry, woodworking and furniture); Module 3 highlights the EU regulatory landscape on the gigital and green transition of the wood-based sector; Module 4 covers the main sustainable certifications for the forest-wood value chain; Module 5 describes the key enabling technologies supporting the green transition; Module 6 presents the circularity thinking approach and introduces digital circular business models in the wood value chain.

The training content of each module was systematically organized in several learning units and sub-units, ensuring better acquisition of the training materials by the potential learners.

The developed Joint Curriculum was presented, discussed and validated by external stakeholders in all partner countries, having the necessary expertise in the forestry, woodworking and furniture sectors.

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