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Project news!

SiT Sustainability in TCLF





During surveys conducted with key stakeholders in project countries, the Consortium identified the Training and Professional Development aspects that emerging professions such as **Bio**textile Technician and Recycling Manager should emphasize, which are:

- Hands-on practical training
- Collaboration with research institutions and industry partners
- Online courses and certifications

The qualifications and Learning Outcomes for the two curricula were defined by applying the **European Qualification Framework (EQF).**

Each qualification level describes the educational qualifications in terms of knowledge (theoretical and practical), skills (cognitive and practical) and competences (responsibility and autonomy).

The identified LOs for EQF 5 and EQF 6 level were used and adapted for the development of the two modular curricula for continuous vocational training (c-VET) and higher education (HE).

Based on research findings, partners will draft the following modules. Follow up project national workshops on competence and skills development that will be organized in March, to be trained on the materials.

Project news!





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Bio-Textile Technician



Bio-Textile Technician

Bio-based textile material properties and processing techniques

Sustainable sourcing and supply chain for **bio-based textile** materials

Digitalization in fashion eco-system through digital design, simulation and visualization in fashion industry

Chemistry for textile processing and dyeing with less environmental impact

Basic principles of biotechnology and **bioengineering for bio-based textile** materials

Quality Control and testing methods for **bio-based textile** products

Adaptability, communication skills and creative thinking in fashion industry

Sustainable

Production of

Textile/ Clothing

products

The modules will help a Bio-Textile Technician specialize in:

- creating and innovating sustainable textiles using bio-based materials.
- > working with renewable resources, biodegradable textiles, and production techniques to promote sustainability in the textile industry.
- \succ developing bio-fibers, the implementation of sustainable production methods, and ensuring environmentally friendly processes in textile manufacturing.
- > collaborating with research institutions, industry stakeholders, and adhering to regulations concerning environmental standards and product life cycles.

Project news!





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Recycling Manager



Processes

Closed-loop concept in Textile/Fashion **Production**

Environmental **Impact and Carbon Footprint of the Textile industry**



The modules will help a Textile Recycling Manager:

> oversees and optimizes textile recycling processes. Their role involves managing the

- collection, sorting, and repurposing of textile waste, ensuring adherence to environmental regulations and sustainability goals.
- \succ works closely with stakeholders across the supply chain to improve recycling efficiency, integrate circular economy principles, and reduce the environmental impact of textile production and waste.
- > plays a critical role in promoting zero-waste production and optimizing the reuse of materials throughout the textile and fashion sectors.
- \succ evaluate manufacturing workflows to devise strategies for recycling, reusing, or upcycling textile waste, thereby prolonging the life cycle of materials and curbing the volume of textile waste directed to landfills.





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