







APRIL 2025

Newsletter n. 8

Project news!





Welcome to the SiT newsletter! We're excited to share our project's early activities and updates with you. In this edition, you'll find the presentation of our official project website.

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!





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

Sustainable
Production of
Textile/ Clothing
products

Adaptability, communication skills and creative thinking in fashion industry

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.
- > 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!





Recycling Manager

Sustainability and Circular Economy in Textile/Fashion Industry

Textile Recycling
Technologies and
Supply Chain
Management

Management of Recycling Process Regulatory Compliance

Environmental
Regulations and
Chemical Safety
Standards in Textile
Processes

Critical Thinking and Problem-solving in Fashion Industry

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.
- > 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.
- 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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