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Newsletter n. 7

Project news!

SiT Sustainability in TCLF



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.

The Emerging Roles for a Sustainable Future

The clothing industry's environmental impact is significant, involving harmful chemicals and waste.

To combat this, companies should adopt sustainable practices, such as using eco-friendly materials and circular economy models, while also reducing greenhouse gas emissions through renewable energy and optimized supply chains.

To ensure a sustainable future for the fashion industry, it is also important to prioritize social responsibility, this includes fair labor practices, ethical sourcing, and the protection of human rights. By working with suppliers who adhere to these standards, companies can contribute to a more equitable and just industry.

Another relevant challenge is the talent gap: companies are struggling to find skilled workers, especially in areas like design and production, to bridge this gap, it is essential to invest in education and training programs to equip individuals with the necessary competencies.

To meet these challenges, two emerging professions have been identified as pivotal by SiT project:

- the **Bio-Textile Technician**
- the **Recycling Manager**

As the TCLF sector continues its green transition, equipping professionals with the right skills and competencies will be critical for achieving a sustainable and competitive future.

Project news!



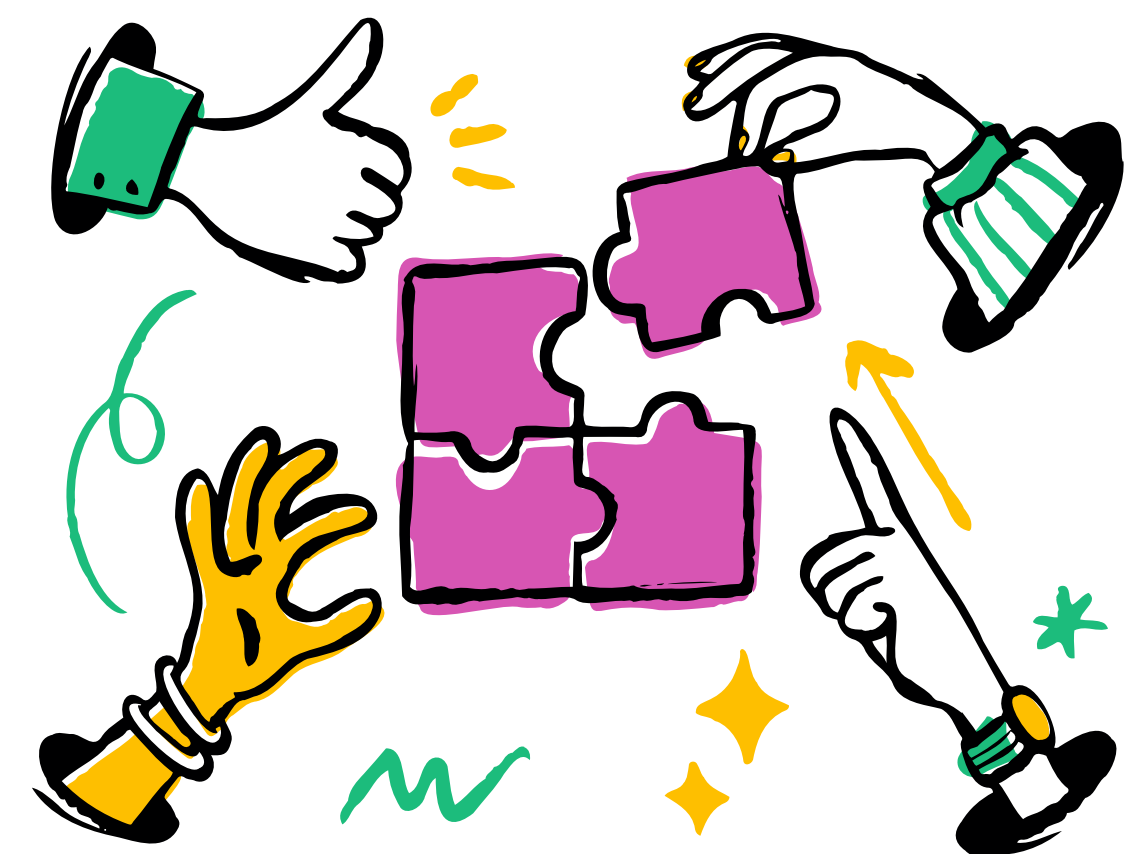
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Why these roles matter

Together, these professions bridge innovation and sustainability, addressing environmental challenges while meeting industry standards.

The collaboration between Bio-Textile Technicians and Recycling Managers is essential for building a more responsible and sustainable future in the sector.

The innovative materials engineered by Bio-Textile Technicians, when combined with the Recycling Manager's expertise in waste reduction, create a holistic system that safeguards environmental health while facilitating the production of high-quality, durable products.



Bio-Textile Technician

Bio-Textile Technicians specialize in developing cutting-edge, eco-conscious materials.

This job focusses on designing biodegradable and naturally sourced fibers that significantly reduce environmental impact. Compared to conventional synthetic fibers, these fibers require less water and fewer harmful chemicals.

The primary objective of the Bio-Textile Technician is to engineer textiles that are not only environmentally sustainable but also robust and of superior quality.

By doing so, they help the fashion industry transition from resource-intensive, environmentally detrimental manufacturing practices to innovative approaches that align with growing consumer demand for sustainability.

Recycling Manager

Recycling Managers play a critical role in promoting zero-waste production and optimizing the reuse of materials throughout the textile and fashion sectors.

They 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. They may facilitate the conversion of discarded garments into new fibers or repurpose textile scraps into alternative products.

Recycling Managers' efforts are fundamental in mitigating the environmental footprint of the fashion industry and advancing the principles of the circular economy, where materials are continuously repurposed rather than discarded after a single use.

Their contribution ensures that production processes become more sustainable and the reuse of textiles becomes standard practice, significantly reducing resource consumption.

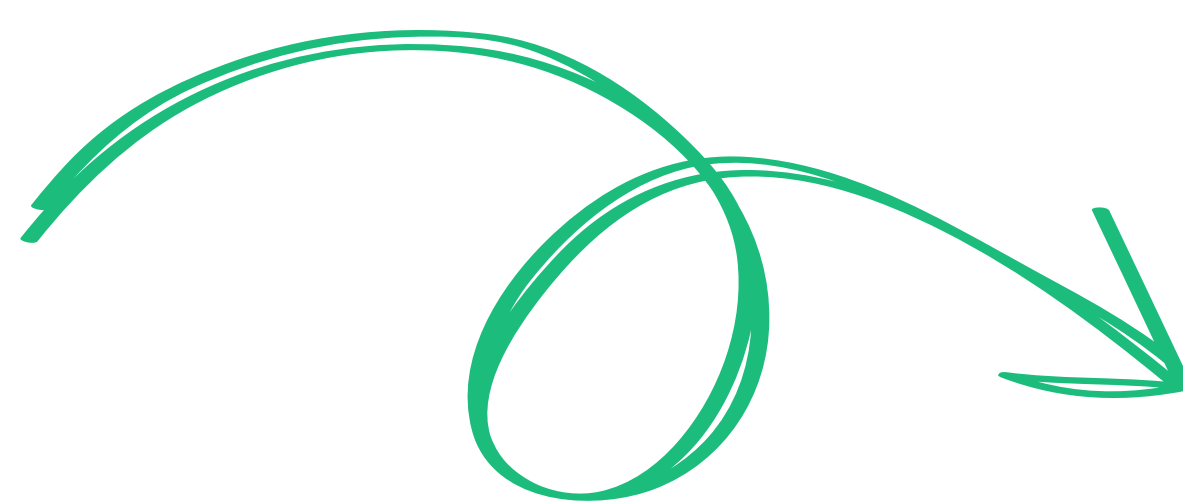


Understanding the Needs for the Green Transition: SiT approach

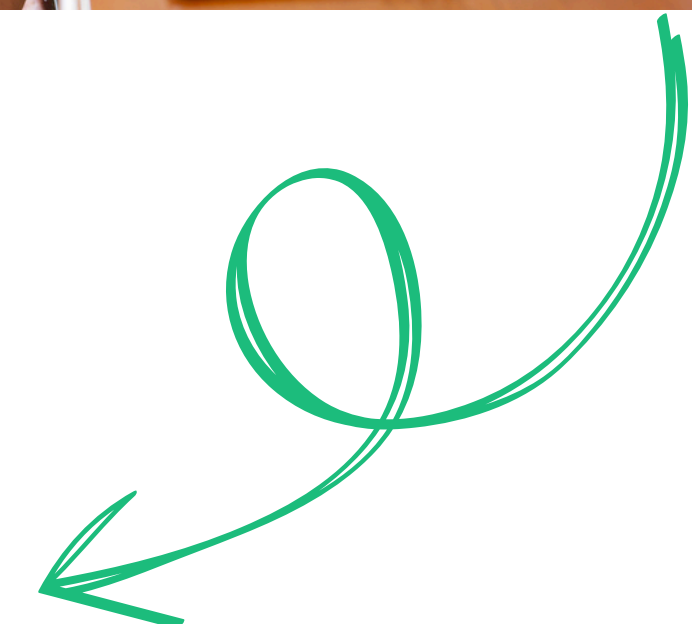


The survey aimed to identify and map the green skills and competences required for **Bio textile technician** and **Recycling Manager**.

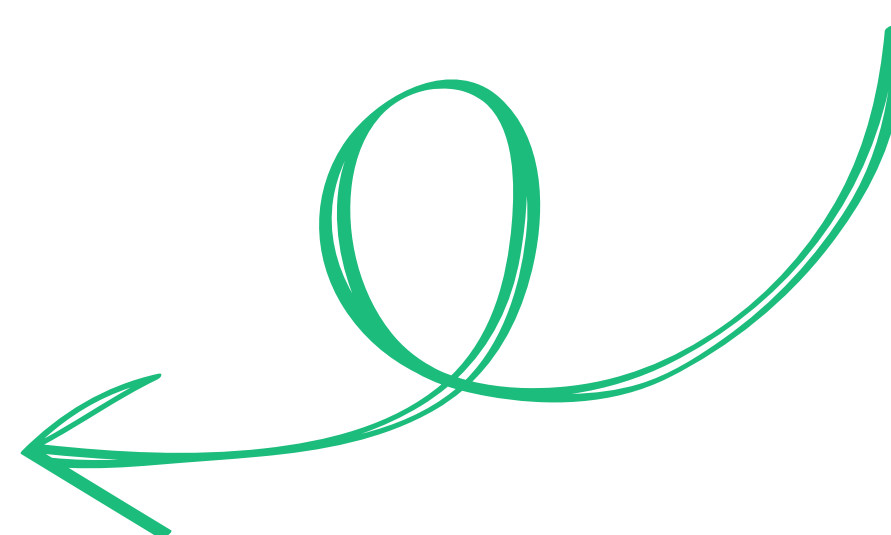
The research focussed on identifying the knowledge, competences, and skills needed to carry out these jobs



Semi-structured interviews were conducted with focus group representatives from each target group, aimed to gain qualitative insights into the specific challenges and training requirements faced by professionals in the TCLF sector.

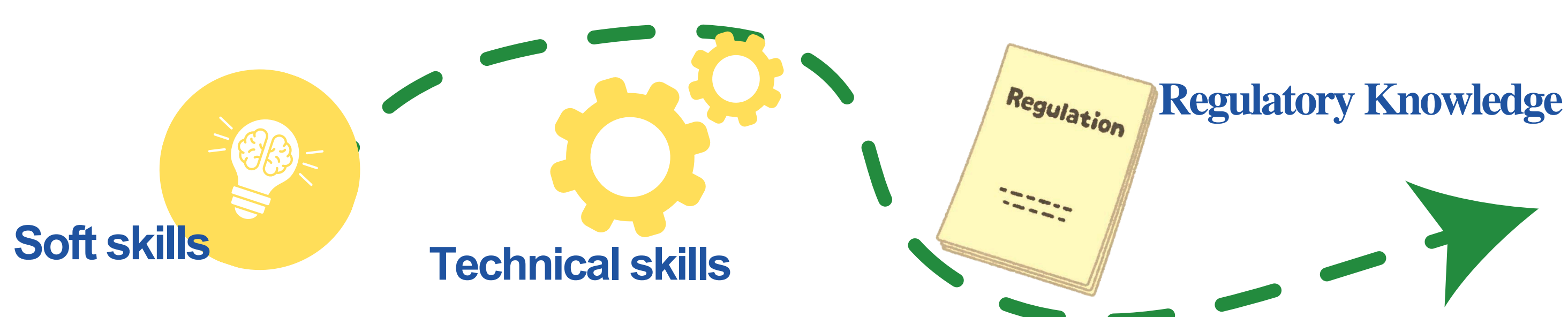


Data Mapping: An accompanying activity aimed at mapping specific skills against established frameworks to ensure alignment with existing standards to facilitate their application within the sector, such as the European Qualifications Framework (EQF) and ESCO systems.



SiT GreenComp Framework

SiT partnership developed the **SiT GreenComp Framework** as basis for the SiT training program: aligning training programs with industry needs, ensuring that both SMEs and educational institutions prepare the workforce for these 2 roles.





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The SiT TCLF GreenComp Framework

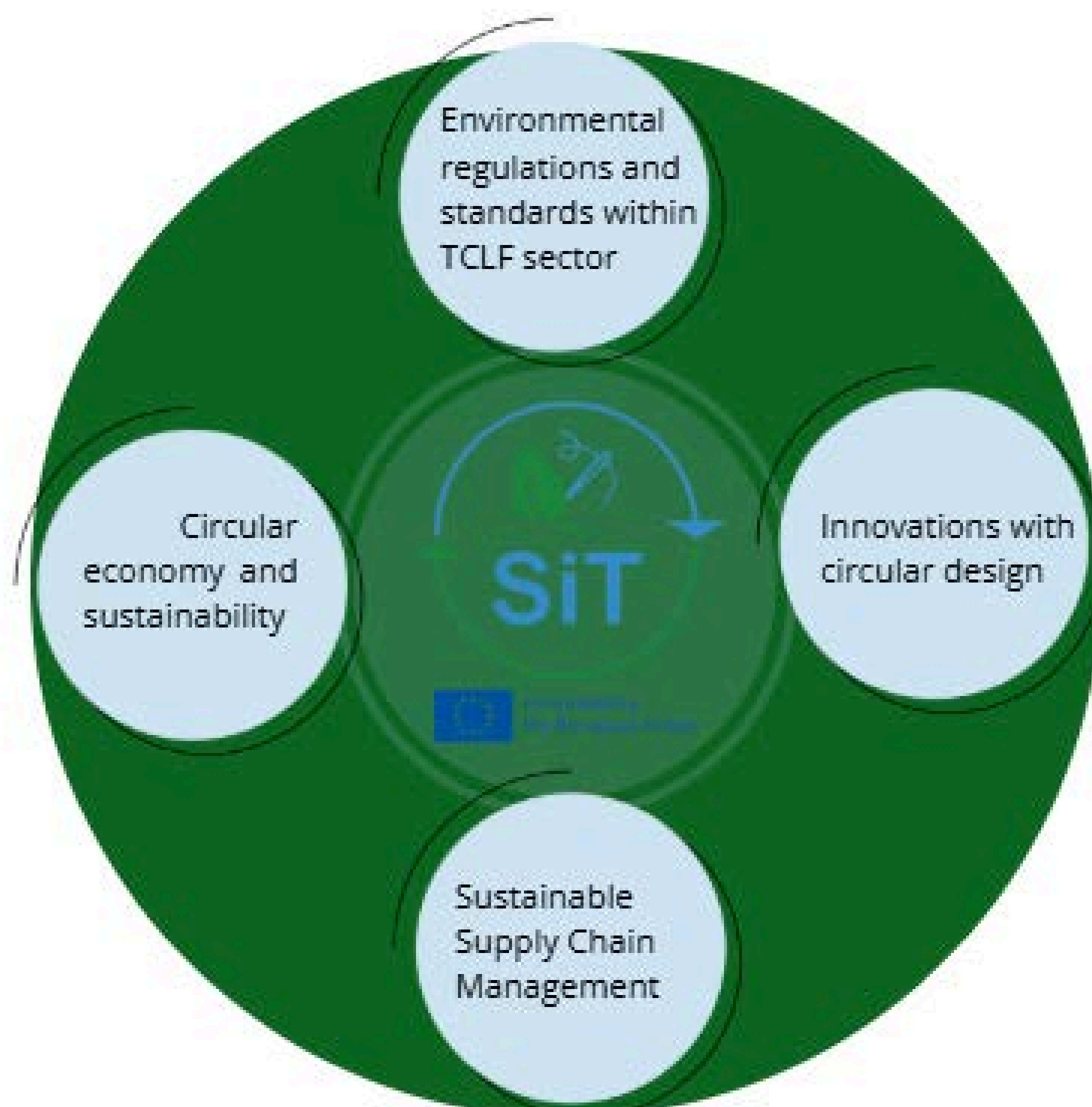
According to the overall results of the survey, and in line with the existing **GreenComp framework**, SiT project developed the **SiT TCLF GreenComp Framework**:

It is divided into **4 competence areas** which are sub-divided into topics and sub-topics.

These 4 competence areas are:

- 1.Environmental regulations and standards within TCLF sector
- 2.Circular Economy and Sustainability
- 3.Innovations with circular design
- 4.Sustainable Supply Chain Management

SiT Matrix for GreenComp Framework:



To get deeper in the matter find the full document in our [website](#)



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