TRUSTex Project Introduction

Advancing Sustainable Textiles in the Circular Economy through Innovative EPR Schemes

TRUSTEX aims to enable circular textile systems in Europe through Extended Producer Responsibility (EPR)

36 months | 19 partners | 11 countries | industry & research collaboration

https://trustexproject.eu/

Key Benefits of EPR

- Encourages sustainable design
- Stipulates business models based on **a prolonged textile use**
- Improves **waste collection and management**
- Improves **textile recycling and reuse**
- Tackles fast fashion: **overproduction, overconsumption, massive waste**

Ultimate Project Goals

- **Reduce** resource use, textile waste & environmental **impact**
- Support **EU Textile Strategy & Green Deal objectives**
- Promote **fair,** inclusive and sustainable **transitions** across the value chain and society

Our Approach

- **Propose & test strategies** for circular, sustainable textiles
- Develop **recommendations to shape future EU EPR** frameworks & guidelines
- **Best practices** for EPR governance
- Design **eco-modulated fees**
- **Ecodesign,** material **traceability** throughout the value chain
- **Optimised sorting, reuse & innovative recycling**
- **Engage** stakeholders & raise consumer awareness

This project has received funding from the European Union's Horizon Research and Innovation program under grant agreement N° 101181901 and from the Swiss State Secretariat for Education, Research and Innovation (SERI).

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Circularity strategies – *Scope, objectives & pilots*

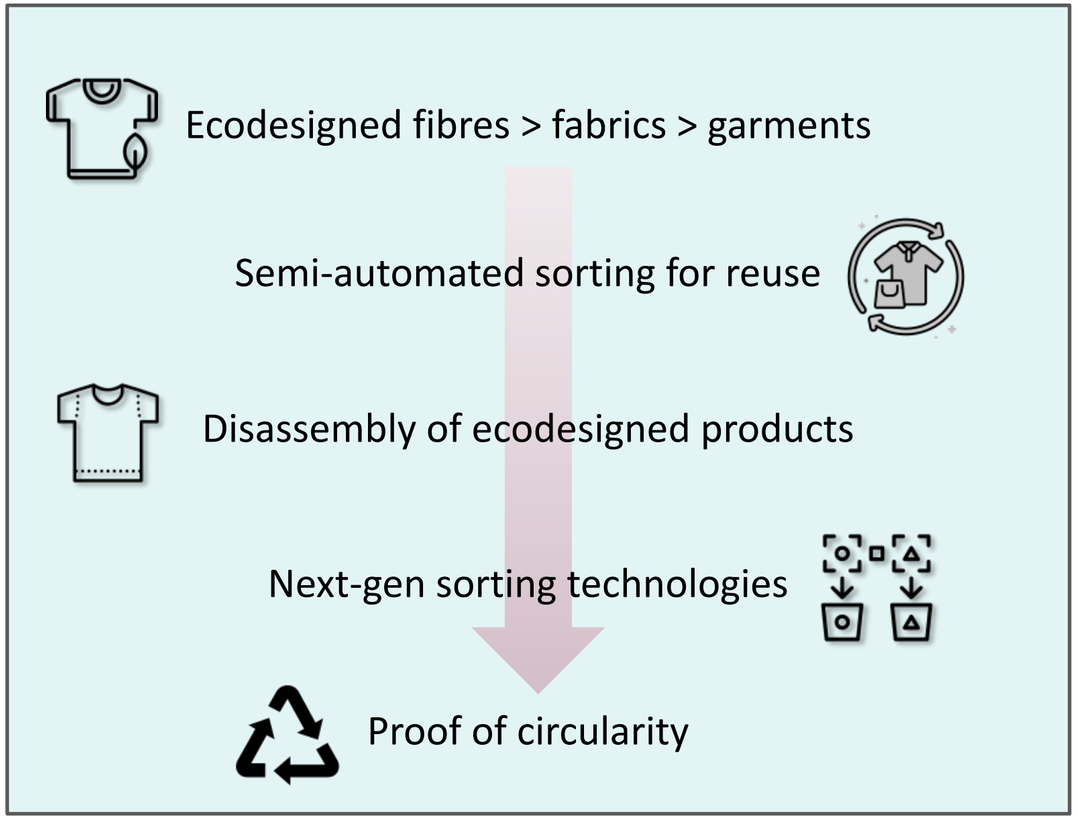
WP3 "**Circularity strategies**" aims to

- Enhance the circularity and sustainability of the textile value chain
- Generate insights on **scale-up levers** and **barriers**
- Providing lessons learned for the entire industry

By

- Developing and implementing innovative approaches that address **EPR viability** and **circularity hotspots**
- **Demonstrating** specific innovations that address technical aspects of circularity
- Exploring collection systems, sorting technologies, and disassembly processes to improve reuse and recycling

Pilots



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Concept Proposal – Trekking Jacket

Style & functionality

- 3-in-1 unisex trekking jacket
- Waterproof, breathable, windproof, and thermally insulating
- Modular construction

Materials

- 100% polyester fabrics using rPET from textile waste (RE&UP), % TBD
- Polyester zippers & velcro
- Other trims sewn with Resortecs® thread to allow disassembly & removal
- OEKO-TEX® compliant chemistry

Key considerations

- Functional, with minimal material diversity and maximum recyclability
- Integration of DPP developments from WP2 (CETIM & Scantrust)
- Data collection for LCA & eco-modulation work in WP4 (CETIM & Neovili)
- Validation of sorting, disassembly & recycling developments in WP3
- *Estimated quantity requirement: 200-250kg, can be flexible if needed*

trustex

CENTEXBEL

Resortecs, Recycling made Easy.

RE&UP

CETIM

LIST

NEOVILI

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Join TRUSTex in Demonstrating Ecodesign Through a Trekking Jacket Pilot

We aim to **co-create and manufacture** a batch of ±50 high-performance trekking jackets to demonstrate ecodesign strategies that will **inform upcoming ESPR textile standards.**

These jackets will also **validate TRUSTex developments**, including:

- Sorting, disassembly & recycling technologies
- Digital Product Passport (DPP) integration
- Eco-modulation approaches for EPR schemes

We have…

✓A research partner with **testing** capabilities

✓A supplier of **recycled** polyester **fibres**

✓A partner offering heat-dissolvable **yarns for disassembly**

We are looking for…

A **subcontracted** design & manufacturing partner to **co-develop and produce** a batch of functional, durable, and highly recyclable jackets (ideally 200 kg).

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