RETEX – INTERREG V FWVL
NO TEXTILE TO WASTE

RETEX – Textile Recycling Valley

More eco design / Less waste

Include the textile sector in the circular economy and link it to the textile recycling sector (end-of-life products / production waste)

The project responds to axis 1 of the INTERREG program - Research, Innovation and Technology Transfer

Budget RETEX: 1 610 779 € - FEDER 885 928 €

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**Partners:**
- UP-tex (FR) : competitiveness cluster in advanced textile materials
- CD2E (FR) : cluster in new environmental technologies throw eco-enterprises support
- CENTEXBEL - VKC (VL) : Textile and plastics competence Centre
- FEDUSTRIA (W) : Belgian Federation of textile industry, wood and furniture

**Associated partners:**
- B.E.FIN NEXT (W) : program for strengthening industry policy
- RES-SOURCES (W) : recovery and recycling in Wallonia
- UIT NORD (FR) : French Federation for textile industry
- TEAM2 (FR) : competitiveness cluster in recycling
- ECO TLC (FR) : eco organization in extended producer's responsibility in clothing, linen, footwear

**Sharing actions**
- For a larger range of products and solutions on the market
- To achieve scale at a level twice as important to manage wastes and design of recycled

**Transboundary context**
- The Eurorégion targets 150,000 tons of clothing collected deposit in 2020 – about 50% must be recycled (75 000 tons)
- Half of the deposit is in cotton, polyester or cotton & polyester blended
- It means a potential of 37 500 tons in cotton, polyester
- Complementary treatment of textiles from recycling (mechanical, melt or chemical processes)
- Cross-sectoral approach textile-plastics
Objectives of the project

- Embed the circular economy in the textile industry and link it with the textile recycling and end of life of textile products
- Creation of new activities, new opportunities in the textile recycling, textile and clothing
- Reduce waste (particularly cotton / polyester)
- Develop an ecodesign and new economical models

Working program

- 5 working modules - period Oct 2016 to Sept 2020
- Project management, coordination
- Communication
- Creation of an area of circular economy on Internet (materials library, exchange scholarship, basic knowledge and skills)
- Animation for the deployment of innovation and eco-design (education sessions, workshops, project groups)
- Developing sustainable business models
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Internet site

Pas de textile à perdre

RETEX est un ambitieux partenariat européen financé dans le cadre d'Interreg France-Belgique-Vlaanderen qui transcende les limites du textile.

https://www.dotheretex.eu/fr/do-the-retex
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Information to companies - methodology

Awareness session
Events and fairs
Workshops
Individual interviews (questionnaires)
Organization of project-groups
Agenda for the workshops and events on the website

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Trends & benchmark / tools and projects

Financial Instrument for the Environment
Funding period 2014-2020
**European projects in circular economy**

**RETEX**
- Euro regional
- To build a sector of textile circular economy
- With the textile producers
- Linked to the collection and sorting sector
- And sharing best practices with the other projects

**RESYNTEX**
RESYNTEX is an EU project, looking at new ways of turning textile waste into a valuable resource, and keeping it out of landfill.

Produce secondary raw materials from non-rewearable textile waste
Create a new circular concept for the textile and chemical industry

Core project aims:
- new value chains from textile waste collection
- Enable traceability of waste
- Evaluate the performances : LCA and economical assessment
- Develop innovative business models
- Demonstrate a complete reprocessing line for basic textile components
The Fibersort machine automatically sorts large volumes of finished textile products based on their composition.

Near Infra-Red: scans the surface, detects fibers and sees color.

European projects in circular economy

Interreg North-West Europe
Fibersort

The Fibersort machine automatically sorts large volumes of finished textile products based on their composition.

European projects in circular economy

Trash-2-Cash

New fibres from pre-consumer and post-consumer waste

18 partners, 10 countries
42 months

Trash-2-Cash proposes a new model where paper and textile waste is recycled chemically - resulting in fabrics that are the same quality as new materials.
ENTeR focuses on waste reduction to prevent depletion of non-renewable resources in the textile industry. It will strengthen the innovation capacity of textile companies in central Europe, improve sustainable links among industrial textile areas and foster closer cooperation on waste management and circular economy.

- CTPT Czech Technology Platform for Textile
- INOTEX Ltd Innovation and technology transfer
- InnovateText Textile Engineering and Testing Institute
- PBN Pannon Business Network Association
- PIOT Federation of apparel & Textile Industry Employers
- IW Textile research Institute
- SACHSEN!TEXTIL e. V. Business support organization
- STFI Saxon Textile Research Institute
- UNIVA Industrial Union of the Varese Province
- Centrocot SpA Textile Cotton and Clothing Center