

WP T2 INNOVATION ON TEXTILE WASTE MANAGEMENT

ACTIVITY A.T2.5 INTERNATIONAL ADVISORY BOARD - 2ND MEETING

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Working Progress Report

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(S!T - Germany)



CONTENT

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ENTeR – Expert Network on Textile Recycling

ENTeR works in five central European countries that are involved in the textile business, to promote innovative solutions for waste management that will result in a circular economy approach to making textiles.

The project will help to accelerate collaboration among the involved textile territories, promoting a joint offer of innovative services by the main local research centres and business associations (“virtual centre”), involving also public stakeholders in defining a strategic agenda and related action plan, in order to link and drive the circular economy consideration and strategic actions.

The approach of the proposal and the cooperation between the partners are oriented to the management and optimization of waste, in a Life Cycle Design (or Ecodesign) perspective



CE1136 - Expert Network on Textile

July/September 2019

Dissemination M3P Platform – Boostalps 2.0 Circular economy to boost macroregional sustainable growth

On 3rd and 4th July 2019 UNIVA and Centrocot took part to BOOSTALPS event in Milan.

The purpose of the event was to provide an opportunity for the most competitive regions of Europe to meet, in order to offer the opportunity to explore new solutions, business models, technologies and R&D opportunities linked to the circular economy, with focus on the textile/clothing supply chain. The event was organized by Confindustria Lombardia and Lombardy Region, along with SMI and Euratex, as part of the activities of the Italian Presidency EUSALP 2019 and the European Commission's Enterprise Europe Network.

A high-level political conference was held on 3 July, in which Regions and representatives of the business world of EUSALP area discussed about challenges of the circular economy, with interventions, among others, of SMI-Sistema Moda Italia, Euratex, National Technological Cluster Made in Italy Presidents.

The 4th of July was dedicated to circular economy experiences and best practices in the textile/clothing supply chain. During "WORKSHOP ON CIRCULAR ECONOMY IN TEXTILE VALUE CHAIN" Centrocot and UNIVA presented the goals achieved so far by M3P M3P Platform (i.e. to apply a model for Industrial Symbiosis, online platform based, to realize matches between companies offering waste stream and requesting materials, to search



for new applications of waste, based on creative concepts), its main results and pilot cases. They also introduced ENTeR Project, under the Program Interreg Central Europe, focused on Textile Waste Management. Bilateral international meetings were planned in the afternoon to encourage commercial and technological synergies, collaboration, research and innovation partnerships. The initiative was particularly aimed at companies in the Alpine Macroregion (EUSALP) textile/clothing sector, which were interested in meeting other important players in the textile/clothing sector or related industries, looking for commercial and technological partners, in possession of an innovative idea or a circular economy project.

ENTeR – Expert Network on Textile Recycling: innovative waste management and recycling methods in textile manufacturing make it possible to reduce and reuse waste. It helps cutting production costs while protecting the environment. ENTeR works in five central European countries that are involved in the textile business, to promote innovative solutions for waste management that will result in a circular economy approach to making textiles.

Site Web:

www.interreg-central.eu/enter

STFI at the world's largest textile machinery fair ITMA

At the world's largest textile machinery fair ITMA, which took place from 20th to 26th June 2019 in Barcelona (ES), the Saxon Textile Research Institute (STFI) has been present with current projects at the booths of several German industrial research partners. This included the project "optiformTex" for the production of fibre composite components used in the automotive industry, where STFI participates together with the German companies Dilo Systems, Volkswagen, Sachsenleinen, and the



Chemnitz University of Technology. In another project called "DigiTEX", a machine concept for the digital equipping of textile surfaces has been developed by STFI together with regional industrial partners from T&C industry. This newly developed machine "DigiTEX" was presented to a wider public for the first time.

Italy - Pilot Cases

SEVEN PILOT CASES FOR THE ENTER PROJECT

We make the ENTER more innovative and competitive by tackling the main challenge of making Circular Economy applications real and tangible in textile companies. During this year, the ENTeR project has defined seven "Pilot Cases" and we expect to:

- increase knowledge of waste management and technical processes
- improved experience in analytical testing methods;
- promote traceability systems and methods and support the study of a model for waste recovery;



- investigate the training needs of companies for the implementation of circular models in order to develop appropriate training courses.

Thanks to the seven "Pilot Cases", the ENTeR project has begun the process of analysis and study of production processes and the use of secondary raw materials, and indirectly for a more efficient production, will contribute to the reduction of industrial waste.

Czech Republic – Pilot study “Reduction of the waste generation through prolongation of the service life of textile products”

The laundry sector is an important area concerning generation of textile waste. Not only washing, but the rental of textiles, where laundries work with more uniform textiles, offers the potential for potential waste reduction by appropriate material composition of basic textiles.

For the pilot study elaborated within the ENTeR project, the area of leasing medical linen was chosen, which can be found both in hospitals and social care institutions, seniors' homes, but also in ambulances of doctors. The aim of the study was to map the manufacturing practices of laundries that provide the leasing service for medical facilities in terms of maintenance methods, end-of-life criteria, disposal of disposed laundry or volumes of disposed laundry, all depending on its material composition. The basic idea of the study is based on the fact that synthetic fibers have a significantly longer shelf life than cotton, which is very popular in health care. If the medical laundry would be replaced by mixed materials step-by-step, the volume of discarded textiles would certainly decrease.



The findings of the study clearly showed that textiles containing chemical fibers have a lifespan up to a third longer than 100% cotton products. By using textiles with a suitable material composition, the industrial laundries contribute to reducing the production of textile waste.

More details about the study and results are available on <http://www.inotex.cz/news.aspx>.

Poland - International Scientific Conference “*Circular economy – rational use of raw materials*”

Representatives of Ł-IW took part in the **International Scientific Conference “Circular economy – rational use of raw materials”** held in Raclawice, Poland on 2-3 July 2019. The subject of the conference was the rational use of raw materials from primary and secondary sources, including social and economic changes and technological and innovative solutions, as well as implementation of the CE i.e. new business models, education, CE indicators. Ł-IW representatives had the possibility to share ENTeR results. Two presentations:

- (1) ***Circular economy - the key challenge for Textile & Clothing Industry,***
- (2) ***Post-production textile waste in innovative materials for technical applications,*** were well received by the audience.

