



EUROBOOSTEX PROJECT

EuroBoostEX, involving 5 partners from 4 countries (Spain, France, Portugal and Italy), is a European partnership that aims to accelerate the dual green and digital transition of European textile SMEs and boost their international competitiveness. The project is defined as a joint European initiative to support the textile industry in its drive for European recovery through digital and ecological transition. EuroBoostEX was launched in September 2022 and will run for 36 months until September 2025.

EuroBoostEX has received funding from the SMP programme under the Grant Agreement 101074671.

It operates with a total budget of €1.4 million, of which €1.050 million is directly dedicated to supporting textile SMEs in the European Union.

THE MAIN RESULTS ACHIEVED BY BENEFICIARIES OF THE 1ST CALL

The objective of the 1st call was to identify and bring to market new-to-firm products and/or services to make SMEs more resilient against value chain disruptions.

It was launched on April 3rd 2023 with deadline on June 7th 2023.

After the evaluation, the consortium selected 10 candidates from 21 eligible proposals for the first call "Individual Innovate boost grant".

Discover the main results of the 10 innovative projects led by companies benefiting from EuroBoostEX funding

Project led by FF S.R.L – Italy 

The primary goal of this project was to (re)value a widely used broom fibre aiming to enhance its value and market feasibility. The ultimate aspiration was to create a yarn with the maximum achievable percentage of broom fibre. As the project concluded, we achieved a significant outcome by successfully produce a blend yarn sample composed of 70% broom and 30% Cordura. This blended composition represents the highest percentage attainable. New tests will be conducted to obtain a pure broom yarn.



Project: ECOVICE led by MDB TEXINOV – France 

To protect vines against spring frost damages, TEXINOV developed different passive protective nets. The easiness of the installation of the protective nets on vines was tested as well as their resistance to different mechanical stresses. The nets varied in terms of material composing them and their assembly. The efficiency of those different materials to protect the vines from spring frost damages will be tested on vines after the project.



Project: Bioprepeg led by Texfire – Spain 

The company's EuroBoosTEX project marked a notable advancement in sustainable composites by developing a 100% bio-based thermoplastic prepreg. This prepreg, combining natural flax fibres fabric with a Poly-Lactic Acid (PLA) film matrix, responds to the growing demand for eco-friendly materials in sectors like automotive, aerospace, and sport goods. The resultant prepreg is flexible, easily adapts to complex shapes, and is simple to handle, suiting various industrial applications. It stands out as recyclable, biodegradable, and less energy-intensive compared to traditional fibers. Its integration into Texfire's existing production line was seamless, requiring no additional machinery.



Project: RecycledPPyarn led by POLISILK – Spain



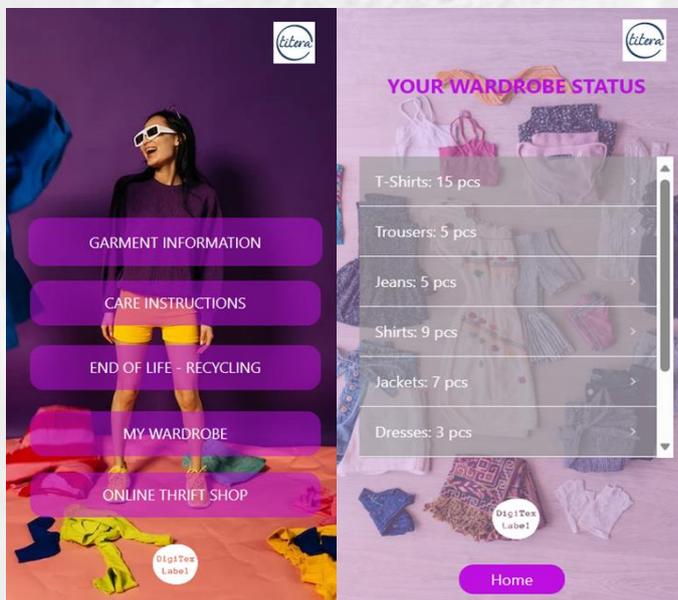
Crafted through a groundbreaking process, these eco-friendly yarns achieve the same high standards of our range of Polypropylene multifilament yarns. By replacing virgin materials with 50% recycled polypropylene, our yarns significantly reduce environmental impact without compromising quality. The recycled Polypropylene comes from post-consumer plastic waste originated in Spain. With a meticulous focus on innovation and a commitment to environmental responsibility, we've successfully navigated technical challenges to produce yarns that surpass industry benchmarks. The result? A product that not only meets but exceeds customer expectations, fostering a new era of eco-conscious textile solutions.



Project: DigiTEXlabel led by TITERA, d.o.o. – Slovenia



DigiTex Label APP is focusing on disrupting current perception of traditional textile labels. DigiTex Label APP is working via NFC tag scanning process, presenting user with information on textile composition, correct garment care, it provides unintrusive educational content of textile waste and encourage user to exchange textile garments with friends, rather than toss them. APP is also developed in a way that offers an option of integrating a Thrift shop to which one can send their textile garments instead of tossing them on the land field.



Project: RAINFOREST led by GammaO – France 

The main goal achieved during the Rainforest project is to launch a sustainable and repairable sportswear brand, emphasizing eco-responsibility and minimizing environmental impact. The intended impact is to promote product longevity, reduce waste, and provide innovative solutions to consumers.



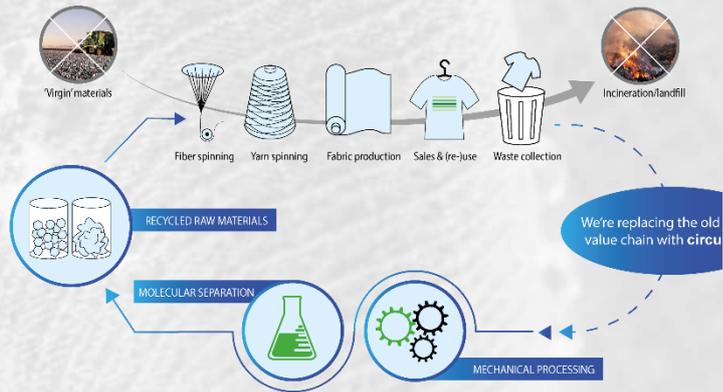
Project Irony Misc led by RBX Creations – France 

The project Irony®_misc has successfully proved the potential of the integration of miscanthus plant with hemp in Irony® materials, which represents a strong opportunity for resiliency growth, environmental benefits and sustainability promotion both in agriculture and textile. This innovative approach has been validated through a 360° approach covering both sourcing analysis, economic perspective and market introduction. This enabled us to strengthen the value proposition.



Project: RecTexWas led by Textile Change ApS – Denmark 

The project “Process optimization for textile recycling” aimed to assess the feasibility of implementing a new technology at a kilogram scale, building upon successful lab test conducted at a gram scale. The objective was to determine if the new technology can further optimize Textile Change’s fibre-to-fibre recycling technology by reducing the treatment time as well as lower the required process temperature significantly. The successful integration of the equipment underscores the potential of the new technology enhancing process efficiency and sustainability.



Project: SOCKWELL led by BIPIER S.R.L. – Italy 

The project focused on the incorporation of AI technology and vision systems into the company production phase. Throughout the project, we successfully analysed, tested and implemented a smart solution for detection of holes in socks that allows to drastically improve the quality control process and to reduce waste and faulty products by inspecting 100% of the socks produced and over 90% of each sock’s surface detecting holes as small as 1.0mm to 1.5mm.

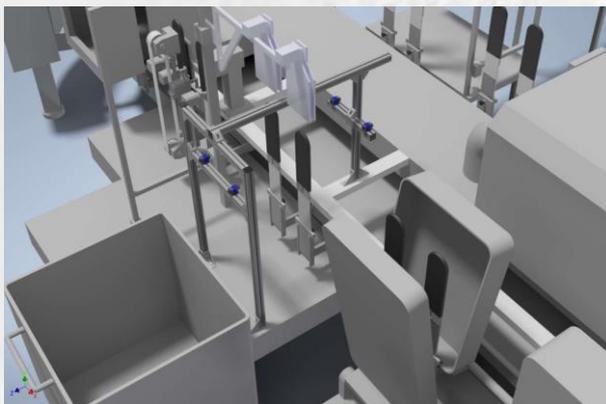


Figure 17
Brown sock NO DEFECT



Figure 18
Brown sock NO DEFECT elaborated



Figure 19
Brown sock WITH DEFECT

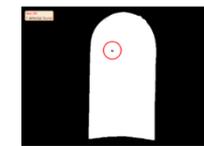


Figure 20
Brown sock WITH DEFECT elaborated

Project: EcoDye led by Finish – Spain



The main technological challenge of this project was researching and developing the application of the different natural dyes, as well as their mordants, and optimizing their operating conditions so that is possible to present an innovative product to the market. A key focus was the achievement of special conditions, reducing temperatures from 130° to 30°C, an important objective in enhancing eco-friendly practices. A meticulous selection of mordants delivered optimal results, ensuring durable color fixation, while our commitment to no damage to fibres during dyeing, washing, and thermal fixation showcases our dedication to high-quality results.



EuroBoosTEX has funded these 10 SMEs to the tune of €15,000 for a total of €150,000 to bring new products to market.

This financial support aims to promote cohesion and strengthen resilience and recovery within the European Union by helping SMEs to develop new products.

GET YOUR DIARY READY!

16 April 2024: Webinar #6 -Australian market opportunities for the textile industry

6 May 2024: [European Cluster conference 2024](#) in Brussels

16 May 2024: InfoDay – 3rd call “Go international, Australia”

CONTACTS

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