

# Introduction Interreg NWE Circutex



- NWE textiles industry uses 17 mio tonnes of non-renewable input materials per year.
- Focus on the transition to a circular economy in textiles.
- Necessary to develop technologies for closed loop recycled workwear.

CircTex focuses on the development of recycling and production technologies in a closed-loop process chain for PET polyester workwear, decreasing non-renewable input materials and the ecological impact in NWE textiles.





Technologies and processes for circular PET workwear will be developed:

- Thermo mechanical and chemical recycling
- Improved spinning and weaving
- No-waste production
- Wear2-yarn and industrial microwave for disassembly
- Recyclable laminates, logo's and accessories
- Collection and sorting systems

Project has been started in January 2020 and will end in June 2023.



## **Partners in closed loop chain**

### **Modint**

Lead partner, responsible for the project management. Modint is managing and organizing all activities in the overall implementation.

### **Centexbel**

Coordinates R&D activities of recyclability and processability of the workwear garments. Recycled workwear tested according ISO norms.

### **ANTEX**

Producer filament polyester yarn. ANTEX is developing thermo mechanical and chemical recycling technologies for polyester fabric.

### **IBQ Fabrics**

Weaving, dyeing and finishing fabrics made of recycled yarns according the requirements of the whole process chain.



## **Hydrowear**

Producer of circular workwear, based on eco-design and selected sustainable accessories.

## **Groenendijk Bedrijfskleding**

Creating a circular design for workwear and product development. Testing circular workwear in multiple companies in closed loop system.

## **J&A Labels**

Developing recyclable logo's and labels for circular workwear.

## **WEAR2GO**

Building up a textile sorting center. Stitching by using Wear2 yarn. Developing an industrial microwave technology to dismantle returned clothes.

## **EuraMaterials**

Disseminating the project results and connects Interreg NWE CircTex with other circular textile projects.



Results of CircTex will be actively communicated within the NWE region:

- to increase knowledge
- to increase the number of SMEs and enterprises that will implement the Circular economy

CircTex will stimulate growth within the NWE textiles industry and creating jobs!

Follow us at <https://www.nweurope.eu/projects/project-search/circdex-innovation-towards-a-circular-future-for-nwe-textiles/>