

# TexChain3 project

Using residual waste streams to  
create a circular business strategy

**VINNOVA**  
Sweden's Innovation Agency

**WARGÖN**  
INNOVATION

  
**THE LOOP FACTORY**

## Abstract for the Cellulose Fibres Conference 2023

TexChain 3 is a project lead by The Loop Factory and Wargön Innovation together with 32 textile producers and stakeholders in Sweden. The project explores the possibility of generating a more circular flow of textile residuals that mainly originates from worn out workwear and production-related waste streams. In other words - the project is, with a practical and experimental approach, aiming for an increased volume of recycled textile materials in the B2B sector.

Trials have been made within 8 different prototyping pilots with industrial waste as raw material, with the goal of creating 5 products ready for commercialisation. So far in the process we can agree that exploring the unknown together inevitably highlights certain challenges and the need of development and cooperation in the industry. It's no secret that there is a need for new machines and rethinking production processes to match the circular design strategies that we all face to achieve a sustainable future ahead. The pilots are progressing and at the Cellulose Fibres Conference 2023 we will be ready to present results and findings.

Two other parts of this project are the development of a marketplace for textile residuals as secondary raw materials as well as the development of an easy-accessible and indicative tool for measuring circularity. We would be happy to share our new knowledge and learnings!

The project is financed by Vinnova (Swedish Innovation Agency) and stretches from November 2020 to June 2023.