FINAL THESIS/INTERNSHIP REGIODEAL - TEXTILE SORTING

Are you interested in the sustainable textiles, textile recycling and circular economy?

Within the region of Twente we are working on creating a circular textile supply chain, together with other companies. Part of this project is improving the quality of mechanical recycled fibres. To obtain good fibre quality the incoming textile waste streams need to be analysed and sorted according to the outcoming fibre quality. In collaboration with Frankenhuis you will look at the incoming textile waste streams and the resulting fibre quality of each stream.

TASK DESCRIPTION

- You will work at the CTL lab in the Epy Drost building of Saxion, but also on site at Frankenhuis. Your starting point will be to analyse the different waste streams of Frankenhuis. After the analyses you will work with the shredding machine at Saxion to experiment with the shredding method to obtain longer recycled fibres.
- During weekly meetings with your supervisors and peer students, you will discuss your progress and issues. This way the whole CTL team will learn from your findings as well, and we can help each other out when needed.

PRACTICAL INFORMATION

- **Student profile:**
  - This assignment is specifically for Fashion & Textile Technologies students looking for an internship or graduation assignment.
  - We are looking for a student that can work very precisely and independent and who have a strong interest in sustainable textiles and textile processing.
  - As you will be working alongside other students and researchers in the lab we expect you to make a clear planning and have clear communication.
- **Contact person(s) for this assignment:** Maud Kuppen (**m.kuppen@saxion.nl**)
- **Research group Sustainable and Functional Textiles: saxion.edu/sft**