

## INTERNSHIP/THESIS WORKAWARE

Are you interested in sustainable textiles and working with a variety of companies?

In the Cotton in Common project, Saxion research group is working together with industrial partners in creating a Cotton Cascade. By implementing regenerative cotton into the cascade the starting point of the material is more sustainable. The goal is to eventually recycle the material and implement this into the products along the cascade. The products involved are lab coats, t-shirts, hand towels and landscape fabric. The partners involved in this project are: RaddisCotton, Havep, Yassasree, CWS, i-did, Spinning Jenny, bAwear Score en Avans Hogeschool. Saxion works together with i-did and Spinning Jenny to recycle the textile streams and process the recycled fibers into the previously mentioned product.



## TASK DESCRIPTION

- You will work at the CTL lab in the Epy Drost building of Saxion. Here you will go through the process of creating a yarn through carding, drawing and spinning. You will focus on optimizing the yarns quality with recycled fibers.
- After doing lab spinning trials, industrial spinning trials will be done together with Spinning Jenny
- You will analyse and perform quality tests on the fibres and yarns.
- If we have enough time samples will be woven or knitted with the best performing yarn. You will do the quality testing of the fabric(s).
- During weekly meetings with you supervisor you will discuss your progress and issues. During monthly meetings you with colleagues and students involved in the CTL we will discuss all relevant project. This way the whole CTL team will learn from your findings as well, and we can help each other out when needed.
- Assignment can be done in Dutch or in English

## PRACTICAL INFORMATION

- **Student profile:** This assignment is specifically for Fashion & Textile Technologies students with a strong interest in sustainable textiles and textile processing and working with lab machinery.
- We are looking for a student that can work very precisely and independent.
- 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](mailto:m.kuppen@saxion.nl))
- **Research group Sustainable and Functional Textiles:** [saxion.nl/sft](https://saxion.nl/sft)