

Title of the Abstract

“Sustainable Cellulosic Fibres from Recycled Raw Materials – A Solution for Europe”

Abstract

Kelheim Fibres GmbH

Re:NewCell AB

Scarce natural resources, a growing world population and the increasing pollution of oceans and landfills are pressing challenges that need to be addressed cross-industry. Especially the worldwide fashion consumption contributes to tremendous amounts of waste going into landfill and incinerators whereas global textile supply chains are contributing a great deal to the ongoing climate emergency. Brands are under great pressure to rethink their product strategy since nowadays sustainable solutions, transparency and - in times of global supply bottlenecks - also reliability, are a matter of survival for the industry. Future-forward technologies in the field of recycled raw materials as well as finding ways to source nearby and shortening supply chains are therefore more important than ever.

To be part of the solution, Renewcell and Kelheim Fibres GmbH have formed a long term commercial collaboration to add the crucial missing link for a circular economy for textiles in Europe. Together, the two technology leaders will collaborate on developing commercial scale production of superior quality viscose fibers from up to 10 000 tonnes of Renewcell's 100% textile recycled material Circulose® annually. The collaboration paves the way toward a fully European closed loop in which textile waste is collected, recycled and regenerated into new Circulose® fibers for people that want to reduce their fashion footprint significantly.