

Mika Plum & Matthias Stratmann, nova-Institute (DE): Cellulose Fibres in LCA – The Status Quo

The textile industry has a huge demand for renewable and sustainable fibres. In the recent wave of regulatory developments in the course of the Green Deal and the New Circular Economy Action Plan the textile sector was targeted for transformation from the beginning. The assessment of the textile industry as part of the New Circular Economy Action Plan showed, that textiles are the fourth-highest pressure category for the use of raw materials and water.

Cellulose Fibres are bio-based fibres and can be produced from trees and other renewable feedstocks. These fibres can help with the transition of the textile industry into being more sustainable. However, also with these fibres there are hurdles to overcome concerning circular economy, more concrete with the collection and recycling of these fibres.

The presentation will focus on the status of the sustainability of Cellulose Fibres regarding the Life Cycle perspective and Life Cycle Assessment.