

**Title of the abstract:** Replacing cotton with Spinnova's advanced clean and mechanical fibre production technology

**Abstract of presentation:**

Spinnova offers the cleanest and most advanced fibre production process in the world for the production of natural-like cellulosic fibres on an industrial scale. Spinnova's technology works for multiple raw material sources from wood pulp to textile, leather and agricultural waste materials.

The unique mechanical process results in SPINNOVA® fibre, which has a natural look and feel meeting the needs of designers in the textile industry and consumers. The technology significantly reduces the impacts on climate and nature as the CO2 emissions of wood-based SPINNOVA® fibre are 74% less, and water use is 98% less than in conventional cotton. Spinnova's technology uses no harmful chemicals or dissolving, and therefore an environmental permit is likely not needed for the factory.

SPINNOVA® fibre is drop-in product for the textile supply chain and can be processed into yarn in a similar way as cotton. Global fashion brands have already launched product applications in apparel and accessories with SPINNOVA®/cotton blend fabrics.

As cotton production is limited, Spinnova's technology can be a solution to produce a natural-like alternative fibre that fits cotton applications. Spinnova's technology is a cost-competitive attractive investment for fibre producers with an easily scalable concept.