

# Ecologtex: a tool designed to assess environmental impacts in the apparel value chain

## Project Scope

- Hugo Boss wanted to assess the environmental impacts of its products with a methodology that would allow for consistent and comparable benchmarking.
- Hugo Boss needed:
  - A harmonized framework for data collection in the textile supply chain
  - A tool to calculate the environmental impacts of single steps as well as the whole supply chain

## Quantis Solution



Robust results due to high level of expertise in LCA methodology that led to actionable next steps



A team capable of coordinating efficient data collection and developing precise calculation tools



A long-lasting partnership that enabled high quality and efficiency, and allowed for mutual competence building



Ecologtex: a custom, sector specific tool for environmental impact assessment for apparel

“We have a long-term partnership with Quantis build on a set of shared values that are quality, innovation, cooperation, passion and respect.

Quantis helped us understanding how consumption of natural resource impact our environment

Developing together Ecologtex provided us many insights and ideas how to mitigate impacts”

**Heinz Zeller**

Head of Sustainability &

Logistics

Hugo Boss

# Results of the collaboration

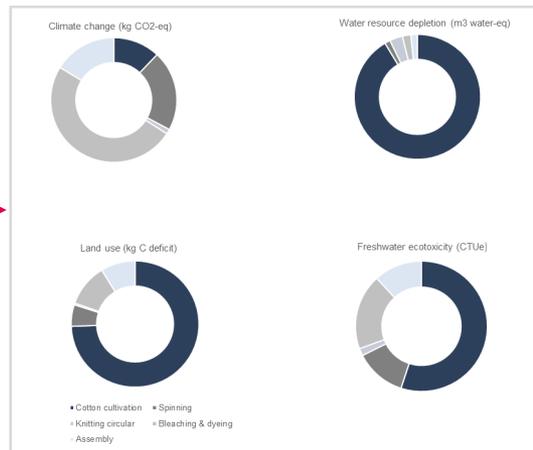


## CONVENTIONAL COTTON - Fertilizers

92- Please specify the types and quantities of synthetic fertilizers that

Main Component	Type of synthetic fertilizer	Specify type	Quantity for growing period	Unit of measurement
N, nitrogen	other...		109.00000	kg N/growing period
K, potassium	other...		57.00000	kg K2O/growing period
P, phosphorus	other...		75.00000	kg P2O5/growing period

From data collection to hot spot analysis, the Ecologtex tool can be used to create data for the analysis of environmental impacts in the apparel supply chain.



## Key findings

- Based on the data collected, Hugo Boss was able to evaluate the hot spots in the wool and cotton supply chains
- Cotton cultivation, sheep farming and specific refinement processes were identified as key hotspots

## Hugo Boss's actions

- Co-founding the WALDB (World Apparel and Footwear Life Cycle Database) for a systemized and harmonized data collection process
- Used results and the expertise of scientific partners for the development of a sustainable cotton strategy and the mitigation of impacts throughout all refinement processes with adequate technology wherever possible