

# Climate Change & Fashion Industry

#Sustainability defines the human capacity to meet "the needs of the present generation without compromising the ability of future generations to meet their own needs"

## PROBLEM

according to some analyses **TEXTILE MANUFACTURING** is one of the biggest emitters of greenhouse gases accounting for nearly **10 %** of global emissions

The fast fashion phenomenon and the enormous increase in the consumption of clothes means that the **impact on climate -and impacts on the other planetary boundaries- is growing**. Along the supply chains most of the greenhouse gas emissions are emitted from the fossil fuels used to produce energy.

It is estimated that **20% of industrial water pollution globally** is attributable to the dyeing and treatment of textiles

## POLYAMIDE

One of the worst fibres from a climate change perspective- is polyamide. In the past seen as a cheap alternative to natural fabrics. Since its development in the last century, it has been used for everything from socks to car tires. Producing polyamide claims tons of crude oil. The production of polyamide is water and energy intensive with impacts on not only the planetary boundary of the climate but also the water, aerosol and ocean acidification.

## ENVIRONMENTAL IMPACT OF POLYAMIDE

There is a possible research to develop circular polyamide and to recycle it. This should therefore lead to improve performance of recycled polyester, material purity and cycle efficiency can be achieved. Valuable raw materials can be saved

Worldwide more than 200 companies have set or are committed to science-based targets. Companies from the textile and fashion industry such as Kering, Asics and Puma are involved.

## POSITIV PROCESSES

### SOURCE

Ellen MacArthur Foundation, "A New Textiles Economy Summary of Findings", <https://www.ellenmacarthurfoundation.org/publications/a-new-textiles-economy-redesigning-fashion's-future>.  
[https://www.wwf.ch/sites/default/files/doc-2017-09/2017-09-WWF-Report-Changing\\_fashion\\_2017\\_EN.pdf](https://www.wwf.ch/sites/default/files/doc-2017-09/2017-09-WWF-Report-Changing_fashion_2017_EN.pdf)

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