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Director General



International Textile Manufacturers Federation (ITMF)

«The relevance of the HS for a transparent and green textile supply chain»



World Customs Organisation (WCO-OMC)

“Visualizing a Greener HS”

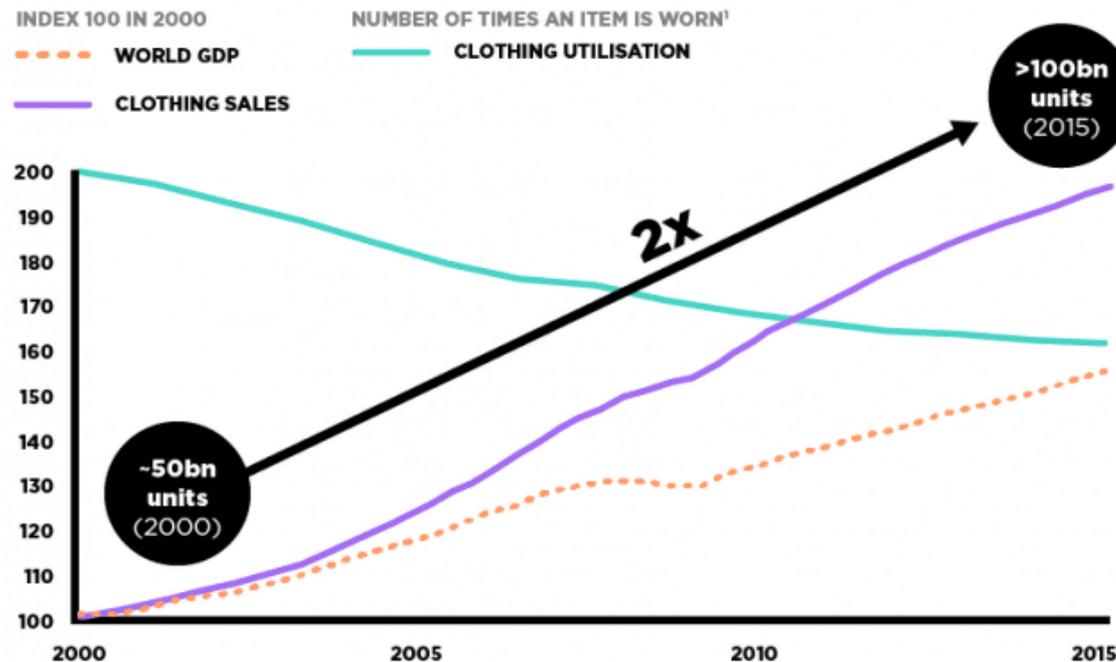
Symposium 3

“The interaction between textiles and the environment”

8 November 2022
Brussels & Virtual

From a linear to a circular system

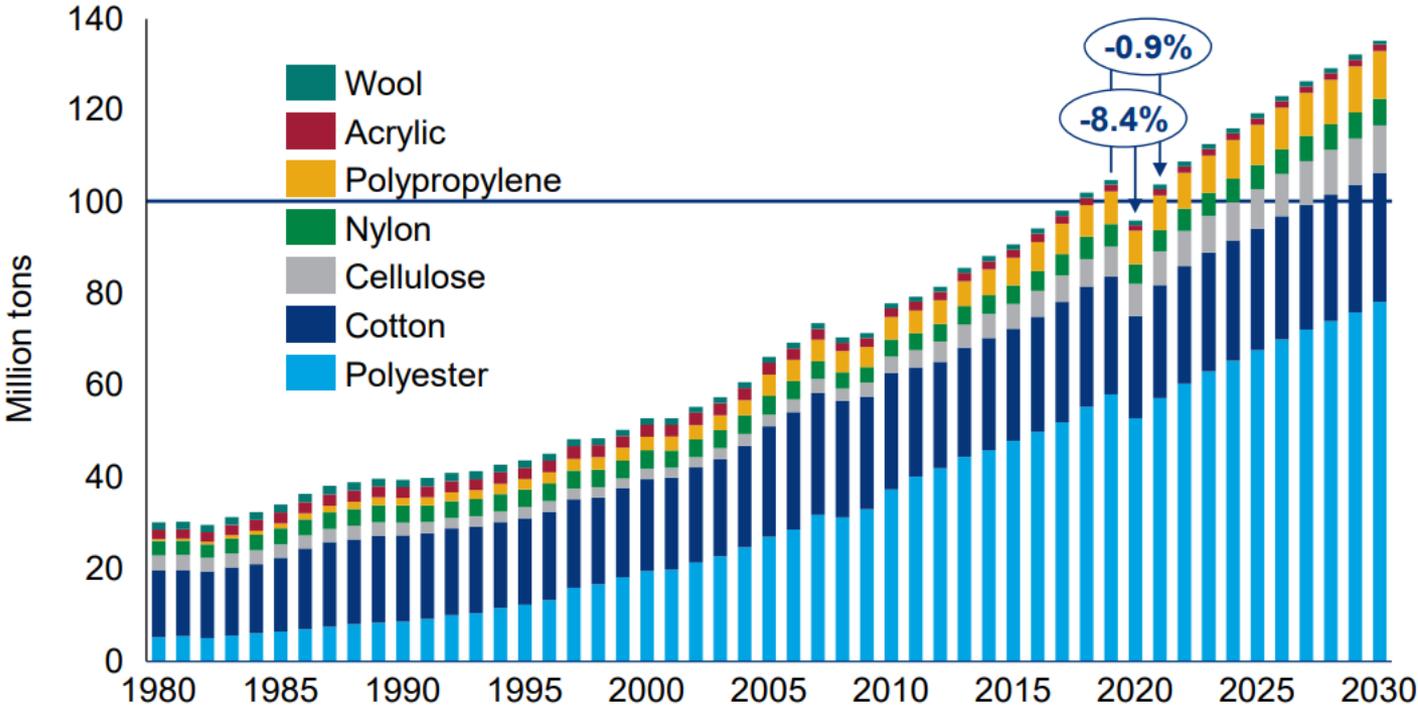
Growth of clothing sales and decline in clothing utilisation since 2000



Average number of times a garment is worn before it ceases to be used
 Source: Euromonitor International Apparel & Footwear 2016 Edition (volume sales trends 2005-2015); World Bank, World development indicators - GD (2017)

Fiber Consumption until 2030 in Million Tons

Total Mill Consumption



Source: Wood Mackenzie Chemicals Fibres Strategic Planning Outlook H1 2022

Did You Know?

1) Textile Greenhouse Gas Emission

Textile is one of the most polluting industries and causes more than 10-15% of global carbon dioxide emissions. [1, 2]

2) Textile Water Pollution

The textile industry pollutes up to 20% of global industrial water! [3]

3) Polyester Textile Waste

70% of textiles are made of Polyester & Nylon. Only 1% is circular recycled. [4]
Polyester textiles end in landfills with a degradation time of 1'000 years! [5]

4) Polyester Microfiber Pollution

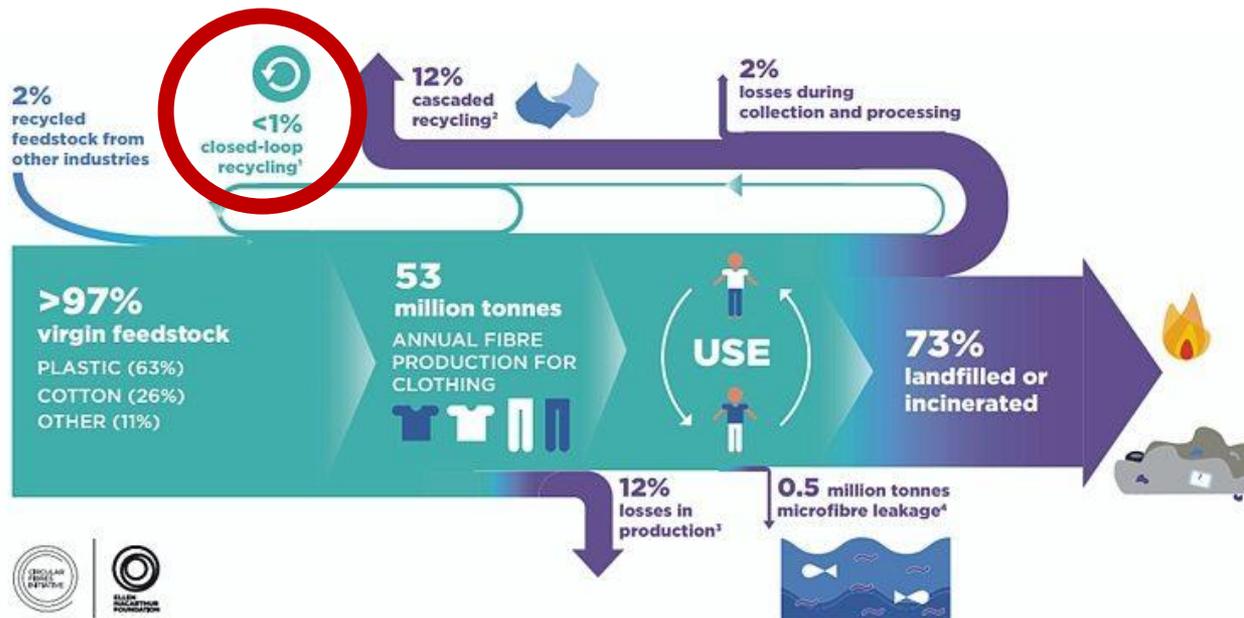
Clothing is a major source of plastic microfiber in the ocean and responsible for 35% of it! [6, 7]

From a linear to a circular system

Today's linear clothing system has damaging effects on society and the environment

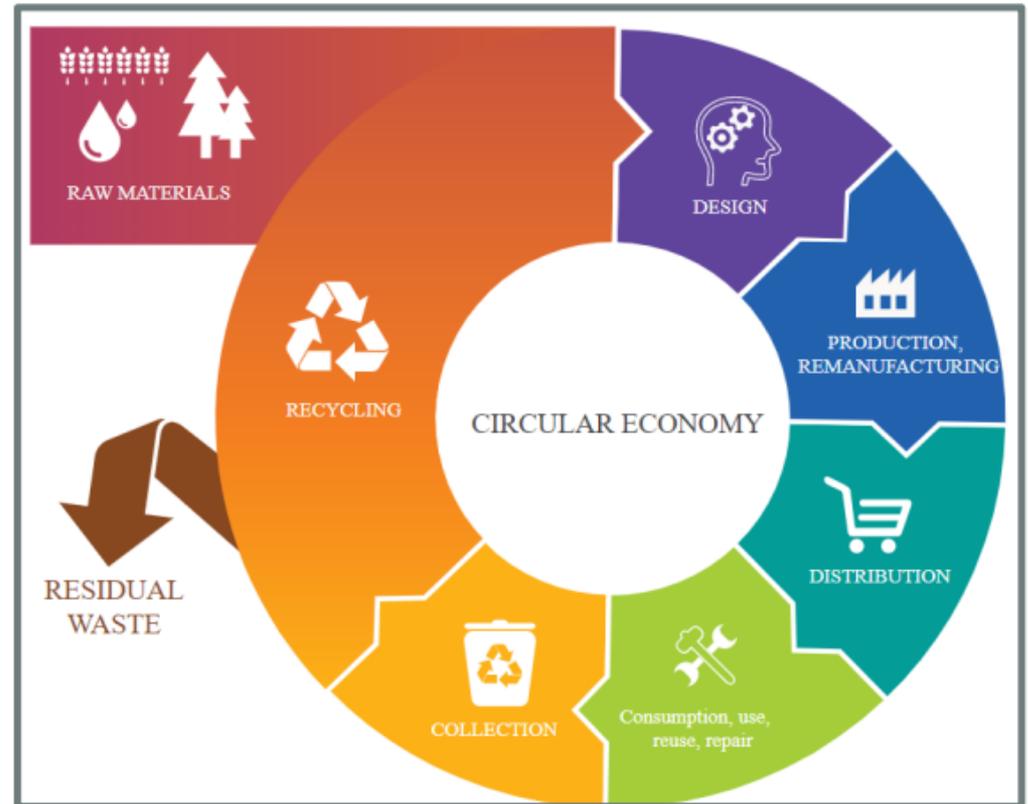


From a linear to a circular system



Circular Economy

“In our current economy, we take materials from the Earth, make products from them, and eventually throw them away as waste – the process is linear. In a circular economy, by contrast, we stop waste being produced in the first place.” 1



Source: European Parliament

Source: 1) Ellen Macarthur Foundation - from a presentation by Eddie Ingle, Unifi, at the ITMF Annual Conference 2022 in Davos

What Does Circularity Mean for Apparel?

- **Reduce**
- **Reuse (Resale & Rent)**
- **Recycle**



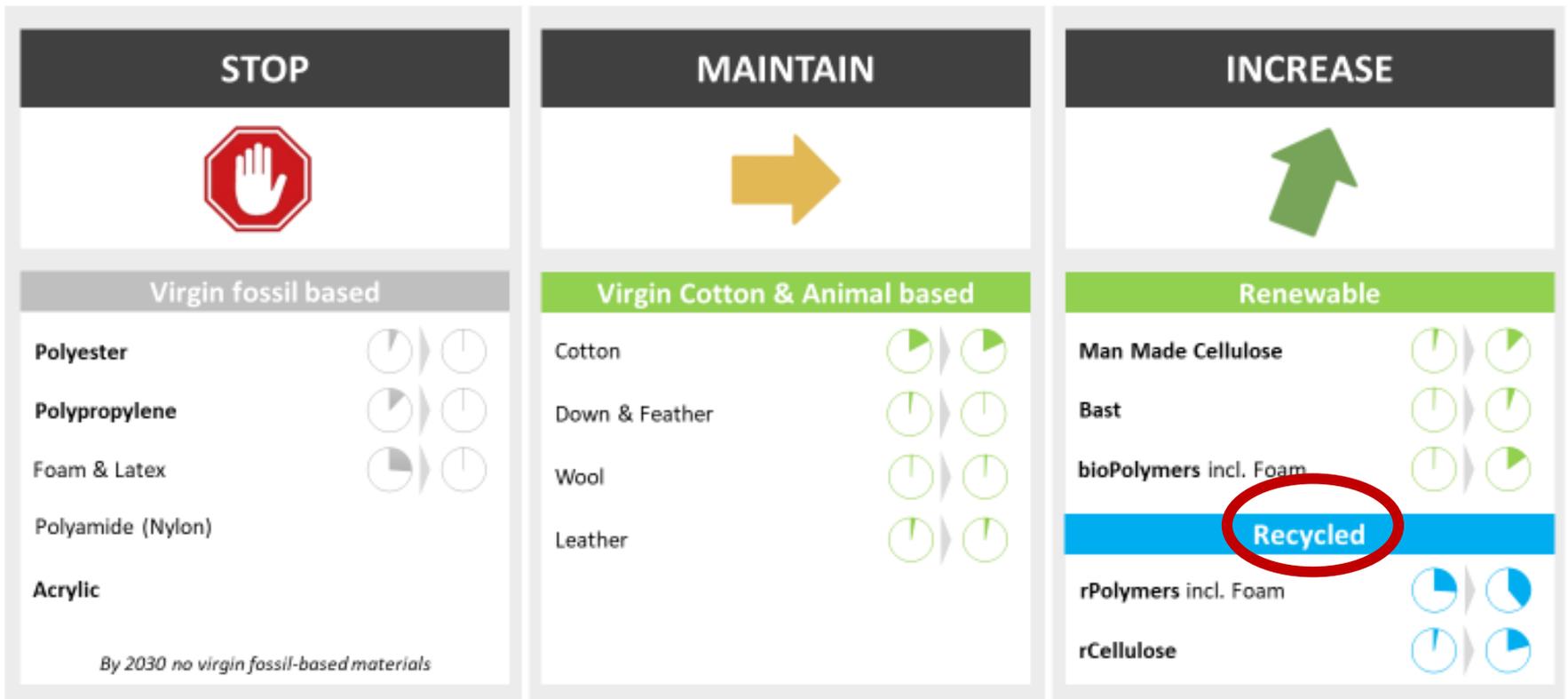
The Commission's 2030 Vision for Textiles

-  **All textile products placed on the EU market are:**
 - durable, repairable and recyclable
 - to a great extent made of recycled fibres
 - free of hazardous substances
 - produced respecting social rights
-  "Fast fashion is out of fashion" - consumers benefit longer from **high quality textiles**
-  Profitable **re-use and repair services** are widely available
-  In a **competitive, resilient and innovative textile sector** producers take responsibility for their products along the value chain
-  **Circular rather than throw-away clothes have become the norm**, with sufficient capacities for recycling and minimal incineration and landfilling

IKEA's look at materials of the future

Main Material Movements

TIME TO MAKE A CHANGE!



Source: From a presentation by Calvin Woolley, IKEA, at the ITMF Annual Conference 2022 in Davos.

Relevance of trade

WTO launches “**World Trade Report 2022**”

“This report is being launched at the same time as COP27. What I hope to see emerge there and elsewhere is a trade and investment facilitation pathway in support of a just transition to a low-carbon economy. ... The report argues that trade is a force for good for climate and part of the solution for achieving a low-carbon, resilient and just transition.”

Ngozi Okonjo-Iweala
WTO Director-General

Relevance of trade

World Trade Report 2022 – 4 main messages

- 1) “Climate change is a major threat to future growth and prosperity due to potential productivity losses, production shortages, damaged transport infrastructure and supply chain disruptions. ”
- 2) “Trade is a force multiplier for countries' adaptation efforts in the face of climate disruptions.”
- 3) “Trade can reduce the cost of mitigating climate change — by supporting the reduction or prevention of GHG emissions — and speed up the transition to a low-carbon economy and the creation of green jobs.”
- 4) “International cooperation on trade-related aspects of climate policy is vital for making climate actions more effective, and the low-carbon transition more just, minimizing trade frictions and investor uncertainty.”

E.g., eliminating tariffs and reducing non-tariff measures on a subset of energy-related environmental goods could boost exports by 5 per cent by 2030, while the resulting increases in energy efficiency and renewable uptake would reduce global emissions by

0.6 per cent.)

Source: WTO (November 7, 2022)

Relevance of the HS

1) Recycling

For recycling, the trade of textile & apparel waste plays an important role.

e.g. it is often very difficult, if possible at all, to export/import textile & apparel waste.

Relevance of the HS

2) Recycled Fibers

In the future the relevance of recycled fibres as a feedstock will play an increasingly important role

e.g. many brands pledge to use much more recycled fibres in their products in the future.

Relevance of the HS

3) Recycling machines

In the future the relevance of recycling machines will play an increasingly important role

e.g. new types of recycling machines are developed.

Relevance of the HS

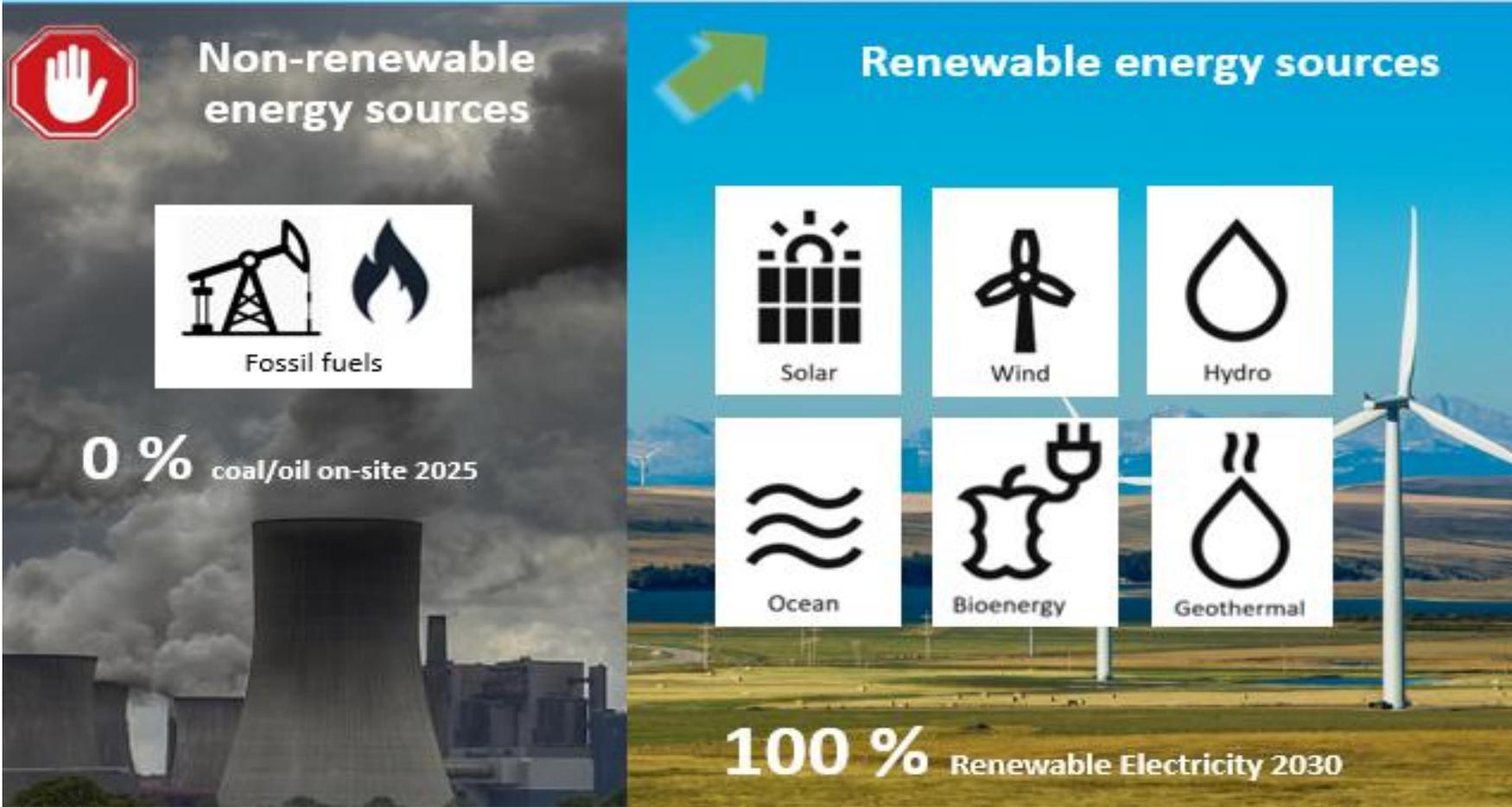
4) Carbon footprint & carbon border taxes

Companies strives to reduce their carbon & environmental footprint

Challenge: Calculation of carbon footprint (Product Environmental Footprint (PEF) in the EU)

e.g. companies are investing in new machines and technologies to reduce the consumption of raw material and energy. Furthermore, they are working hard to shift to renewable energy sources (see example).

IKEA's look at manufacturing in the future



Source: From a presentation by Calvin Woolley, IKEA, at the ITMF Annual Conference 2022 in Davos.

Relevance of the HS

5) Traceability for verification

The concept of traceability is becoming more relevant in the textile industry.

e.g. there are more and more technologies – both physical and digital (block chain) – that allow to trace raw materials throughout the supply chain.

**Thank you very much
for your kind attention!**

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