

**SAURER.**

Transforming  
the world of textiles  
towards circularity

Dr. Marcus Rennekamp

Swissmem Pre-ITMA press event

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The textile industry has an important role to play in supporting the efforts to stop the climate change. We need to be a part of the solution.

Atacama Desert **Chile:** „Where fast fashion goes to **die**“



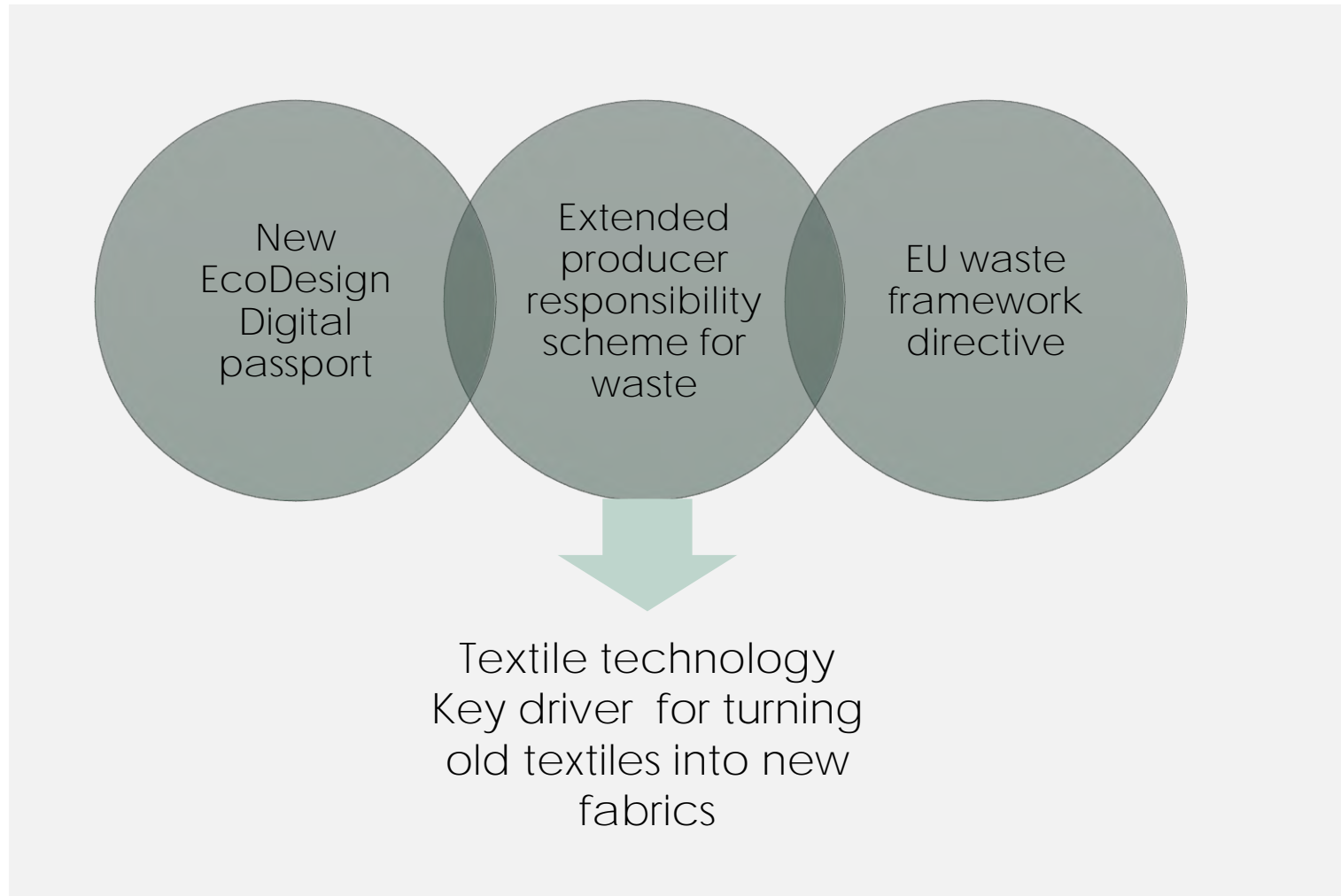
© AFP via Getty Images

Source: Ecowatch

- ▶ 3–10% Share of global greenhouse gas emissions from the textile and fashion industry
- ▶ Only 1% of Textiles are reused to produce new textiles in 2015
- ▶ 5.8 million tonnes of textiles are discarded every year (11 kg/ person) only in Europe

Sources:  
Ellen Macarthur foundation study 2015,  
2021 report of the EU Commission's Joint Research Centre,

# Circular economy is one of the measures the textile industry can take - EU brought forward the Strategy for Sustainable Textiles – Vision 2030

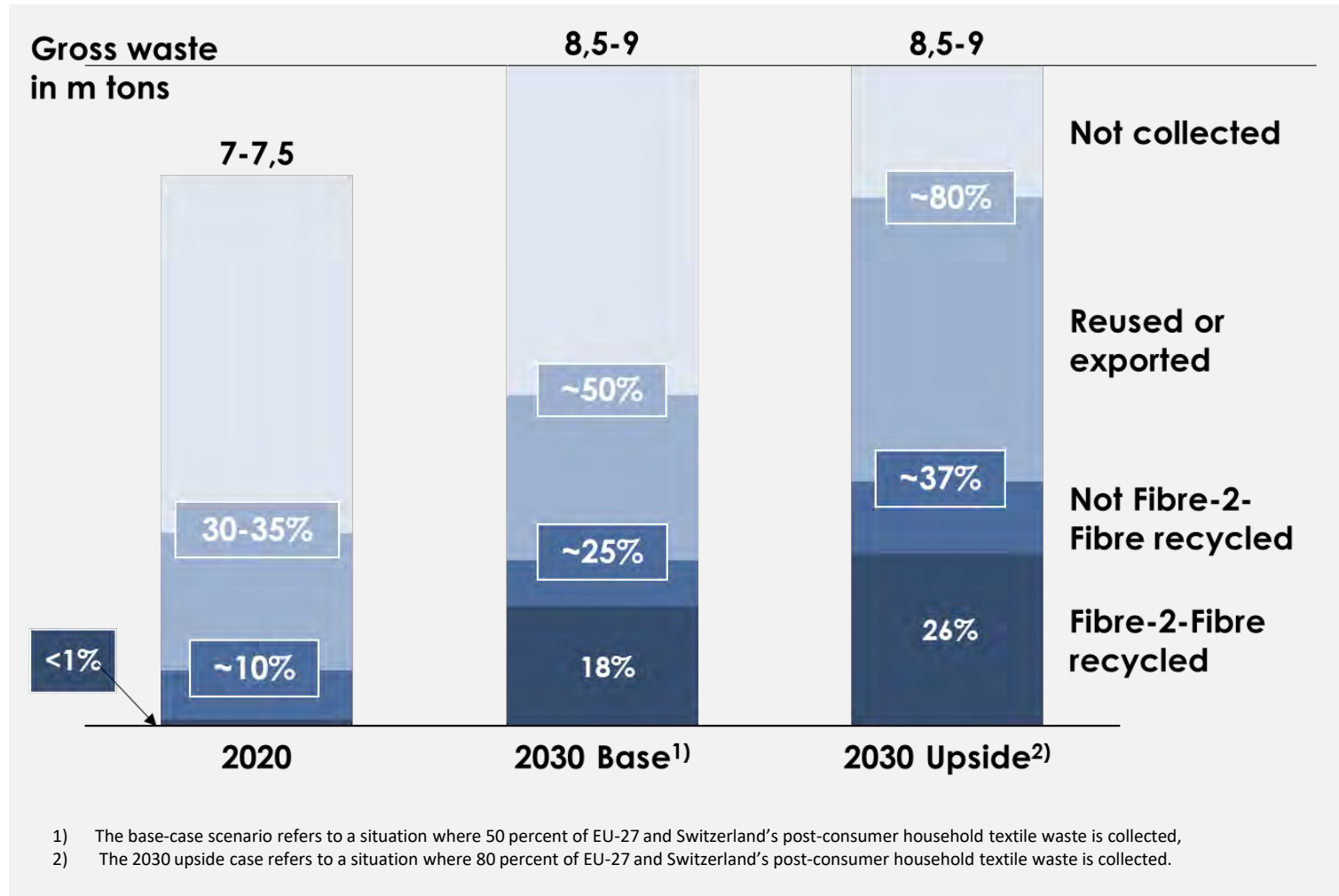


EU targets to end or at least **minimize „fast fashion“**

Future textiles need to...

- offer longer lifetime and re-usability
- be easier to repair and recycle
- contain recycled materials

Yarn producers need to rethink their business models as yarns are required to include recycled fibres in the future



- ▶ Today only 30-35% of textiles are collected separately
- ▶ By 2030 up to 80% of Textile Waste will be either recycled or at least re-used
- ▶ The share of fibre-2-fibre recycling will grow to 18-26% in the next 7 years

Sources:  
 McKinsey & Company "Scaling recycling in Europe [...]",

# Saurer is a key enabler of the transformation; offering a full portfolio of machines for production of sustainable yarns already today

Pre-Spinning: flexible solution for recycled fibres in blowing/carding



Rotor: BD Series is the pioneer in recycling applications



Autocoro: the champion in fully automated recycling yarn spinning



Autoairo: the new class for spinning chemically recycled fibres



Ring: ZI/ZR 72XL for ring-spun yarns from recycled fibres



CompactTwister: strenghtens yarn spun with recycled fibres



**“Recycling Extreme” is the new challenge for yarn producers. The ultra-short fibres bring conventional spinning machines to their limits.**



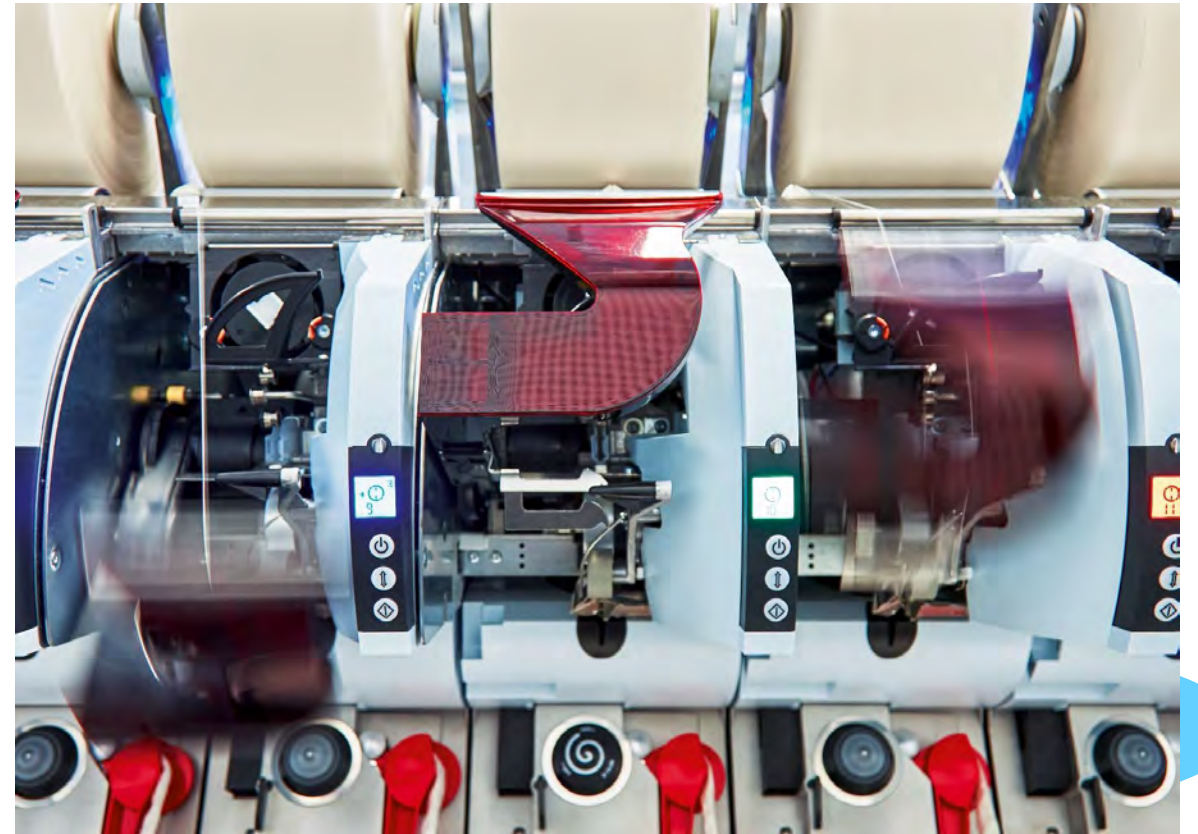
- ▶ Recycling extrem starts at Classification “poor” with >78% short fiber content

# “Recycling Extreme” - Saurer offers its customers solutions with a patented performance kit for processing ultra-short fibres into yarn

Vacuum trash cleaner (VTC) – keeps production clean



Digipiecing - ends all worries about yarn breaks



As a part of the E<sup>3</sup> design philosophy, Energy efficiency has been a key dimension within **Saurer's** innovation process since decades

### Example Autocoro: 38% Energy Savings in Last 15 Years

