

# Creating a more circular textiles sector: including the EcoDesign Regulation

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# Sustainable textiles in EU Policy

Textile Strategy,  
Transition Pathways  
Legislation

*Good dialogue  
and a long way to go*



# March Announcement



Brussels, 30.3.2022  
COM(2022) 141 final

**COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN  
PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL  
COMMITTEE AND THE COMMITTEE OF THE REGIONS**

**EU Strategy for Sustainable and Circular Textiles**



Brussels, 30.3.2022  
COM(2022) 142 final  
2022/0095 (COD)

Proposal for a

**REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**

**establishing a framework for setting ecodesign requirements for sustainable products  
and repealing Directive 2009/125/EC**

(Text with EEA relevance)

{SEC(2022) 165 final} - {SWD(2022) 81 final} - {SWD(2022) 82 final} -  
{SWD(2022) 83 final}

# Upcoming legislation (selection)

Law

Highlights

**Eco-design (ESPR)**

- Set design garments required specifications & Digital Product Passport



DURABLE



# Upcoming legislation (selection)

Law

Highlights

Eco-design (ESPR)

- Set design garments required specifications & Digital Product Passport

## Early thoughts on:

- Scope: Garments first
- Requirements: based on industry/ available standards
- Value of requirements to be thoroughly discussed
- “sustainability mix” examples of flexible approaches in Taxonomy

## Research needed on:

- Durability
- Recycled contents
- Recyclability (be mindful of legislation and innovation timing)

Disclaimer: information herein is indicative and does not represent an official EURATEX position



# Circ. Eco. relevant upcoming legislation (selection)

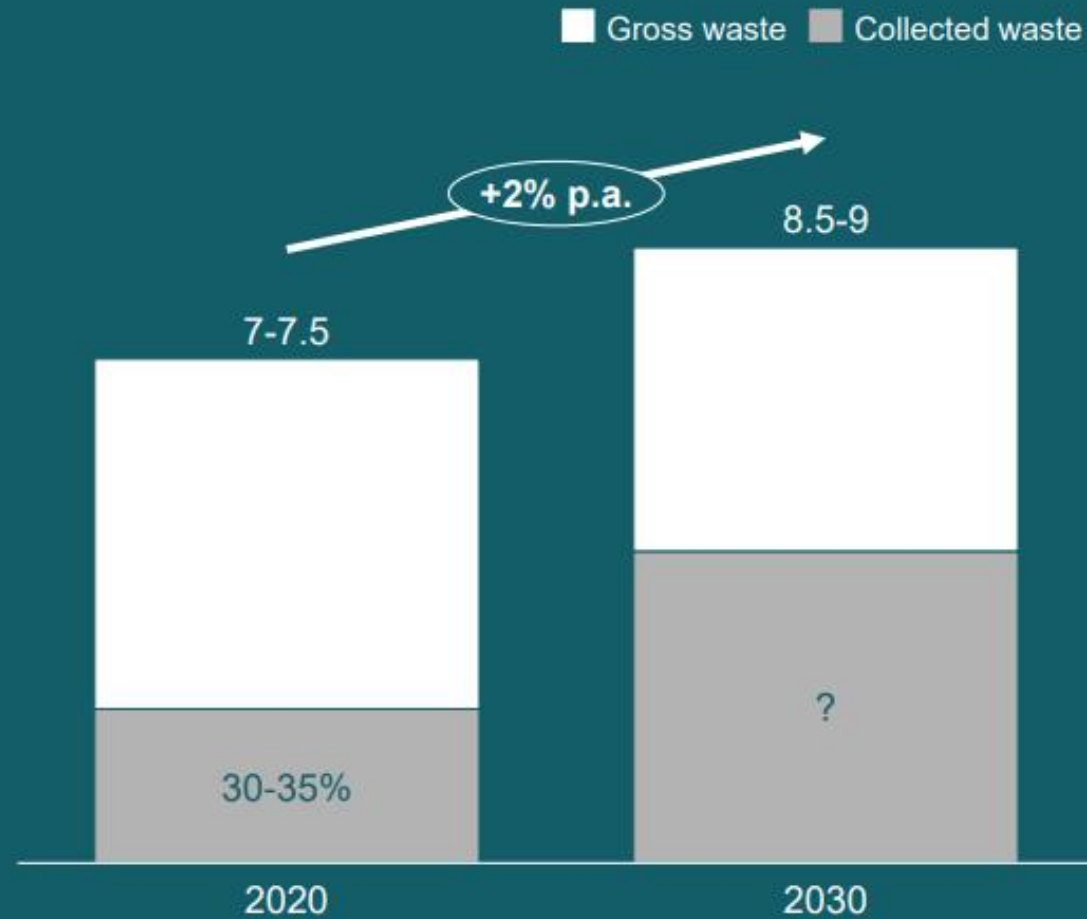
Law	Highlights	Status
<b>Eco-design (ESPR)</b>	<ul style="list-style-type: none"> <li>Set design garments required specifications &amp; Digital Product Passport</li> </ul>	
<b>Due Diligence</b>	<ul style="list-style-type: none"> <li>Large companies to report on their value chain, small ones affected</li> </ul>	
<b>Extended Producer Responsibility (EPR)</b>	<ul style="list-style-type: none"> <li>Need EU-wide harmonisation &amp; funds to support circular economy in textiles</li> </ul>	
<b>Waste F. Directive</b>	<ul style="list-style-type: none"> <li>NEW, may set EPR across EU and promote waste definition/ prevention</li> </ul>	
<b>Green Claims</b>	<ul style="list-style-type: none"> <li>Stop greenwashing, Labelling and communication on products – expected Q1 2023</li> </ul>	
<b>Product Env. Footprint (PEF)</b>	<ul style="list-style-type: none"> <li>Rules under development and testing, public communication upcoming</li> </ul>	
<b>Taxonomy</b>	<ul style="list-style-type: none"> <li>Defines “sustainable investments”, Delegated Act consultation upcoming</li> </ul>	
<b>GPP</b>	<ul style="list-style-type: none"> <li>Revision of the Green Public Procurement Directive – states/ authorities to lead by example and choose sustainable textile products/ services</li> </ul>	
<b>Skin Sensitis. Restriction</b>	<ul style="list-style-type: none"> <li>Safety first, then need to balance Zero Pollution (ambition) and circular economy goals</li> </ul>	



**ReHubs**

# Europe has a 7-7.5 million tons textile waste problem, of which only 30-35% is collected today

EU-27 and Switzerland textile waste volume, million ton



Sources: European Commission Joint Research Centre (JRC), 2021; Intecus, Germany report, 2020; ReFashion, France report, 2020; Rebel, Netherlands report, 2021; Umweltbundesamt, Austria report, 2022; Higher Institute for Environmental Protection and Research Italy report #1 and #2, 2021; Modare, Spain country report, 2021; Nordic Council for Ministers Baltic Countries report, 2020; Ellen MacArthur Foundation; Le Figaro, 2019; Deloitte European Market Study for ETSA, 2014; JRC Technical report, 2021; Humana Annual Report, 2020; Eurostat Prodcom; expert interviews

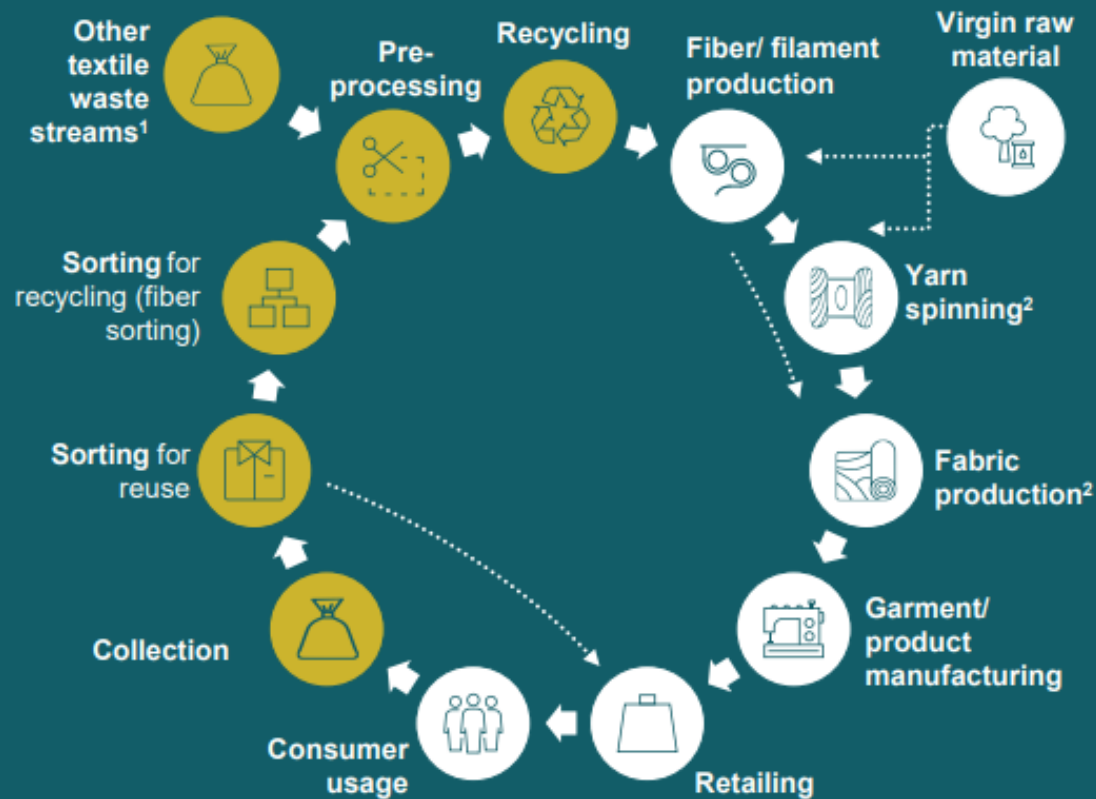




# The value chain for textile recycling is not yet mature – but we may be at the brink of a turning point as different technologies race to scale

The closed-loop textile recycling value chain

● Traditional linear textile value chain steps ● New value chain steps to create closed-loop textile circularity



## Value chain gaps

To go from a linear textile value chain to a circular textile-recycling value chain, **five main parts of the value chain must be matured and scaled**

In addition, the creation recycled fibers in Europe could be an **opportunity for near-shoring**

1. For example, unsellable overstock from brands or retailers, production spill from industry, or post-consumer commercial waste

2. Partly subject to in-house recycling; could be the direct next step after recycling.

# This new circular value chain would require significant capacity with 150-250 facilities

Overview of required capacity<sup>1</sup> in EU-27 and Switzerland, 2030

THIS IS A SCENARIO AND NOT A FORECAST

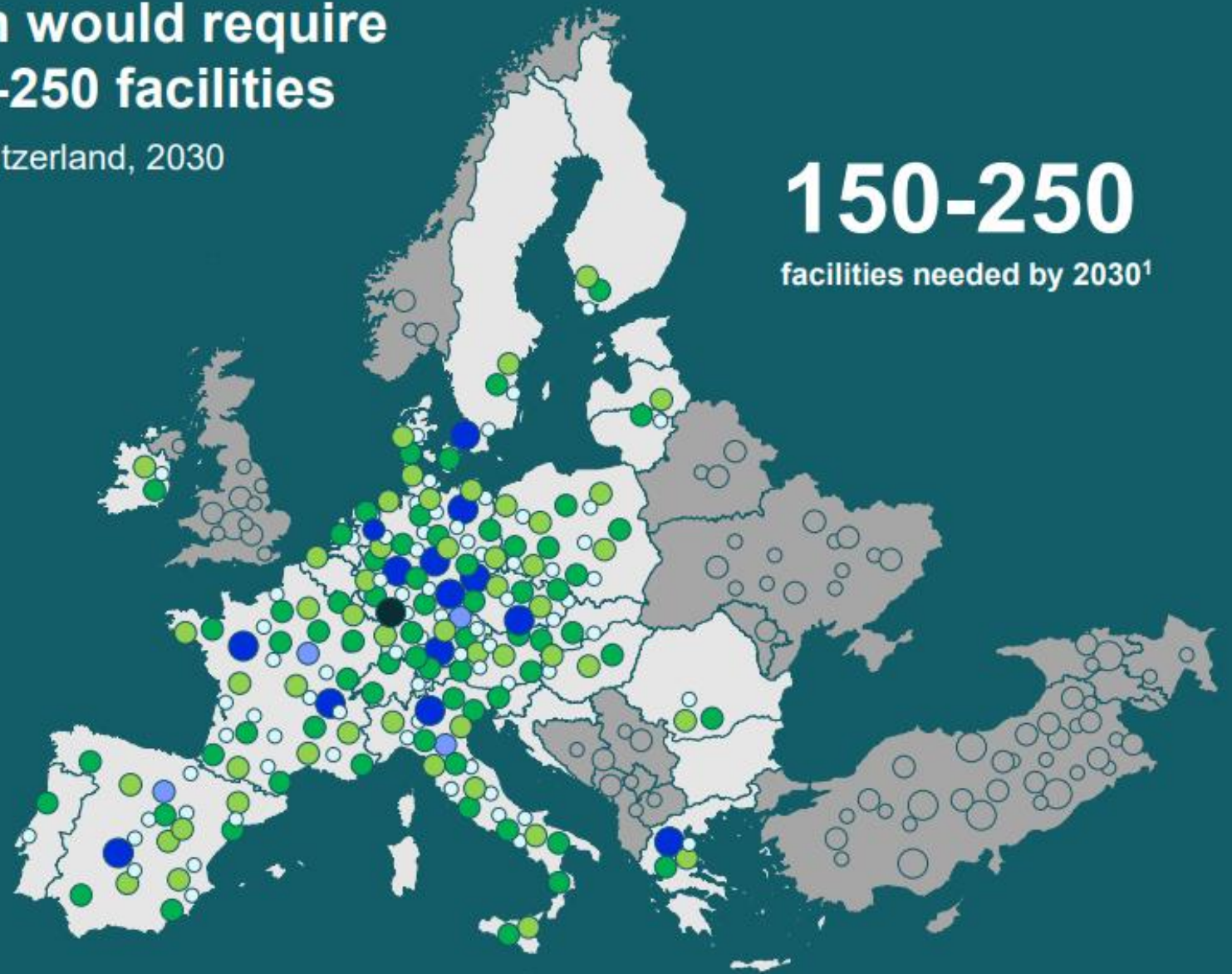
ILLUSTRATIVE LOCATIONS

**150-250**  
facilities needed by 2030<sup>1</sup>

- Sorting for re-use
- Sorting for recycling
- Mechanical recycling
- Thermo-mechanical
- Chemical recycling
- Thermo-chemical
- Illustrative facilities outside EU-27 and Switzerland

Scale, tons

- 25 000
- 50 000
- 100 000



<sup>1</sup> The project overview reflects the estimated amounts of facilities required in base case scenario where EU-27 and Switzerland reach a 50 percent collection rate and a upside scenario where 80 percent collection is reached; standardized non-integrated facilities are assumed for simplicity. Average plant sizes differ for the technologies. The assumed scales (in Ktn/year) are: Sorting (reuse) 50,000; Sorting (recycling) 50,000; Open-loop 25,000; Closed-loop traditional 25,000; Closed-loop soft 25,000; Thermo-mechanical 50,000; Chemical - cellulosic 100,000; Solvent-based 100,000; Chemical - Polyester 100,000; Thermo-chemical 100,000; For some of the value chain steps (sorting for re-use, open-loop mechanical, and closed-loop traditional mechanical) there exists some share of needed capacity already today.

# However, success is not given and there are multiple ingredients to success of scaling textile recycling in Europe

Ingredients of success for textile recycling in Europe, identified by a McKinsey paper (July 2022)



**Critical scale**



**Real collaboration**



**Transition funding**



**Investments**



**Public sector push**



McKinsey identifies **five ingredients for success** in their paper of scaling textile recycling in Europe



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