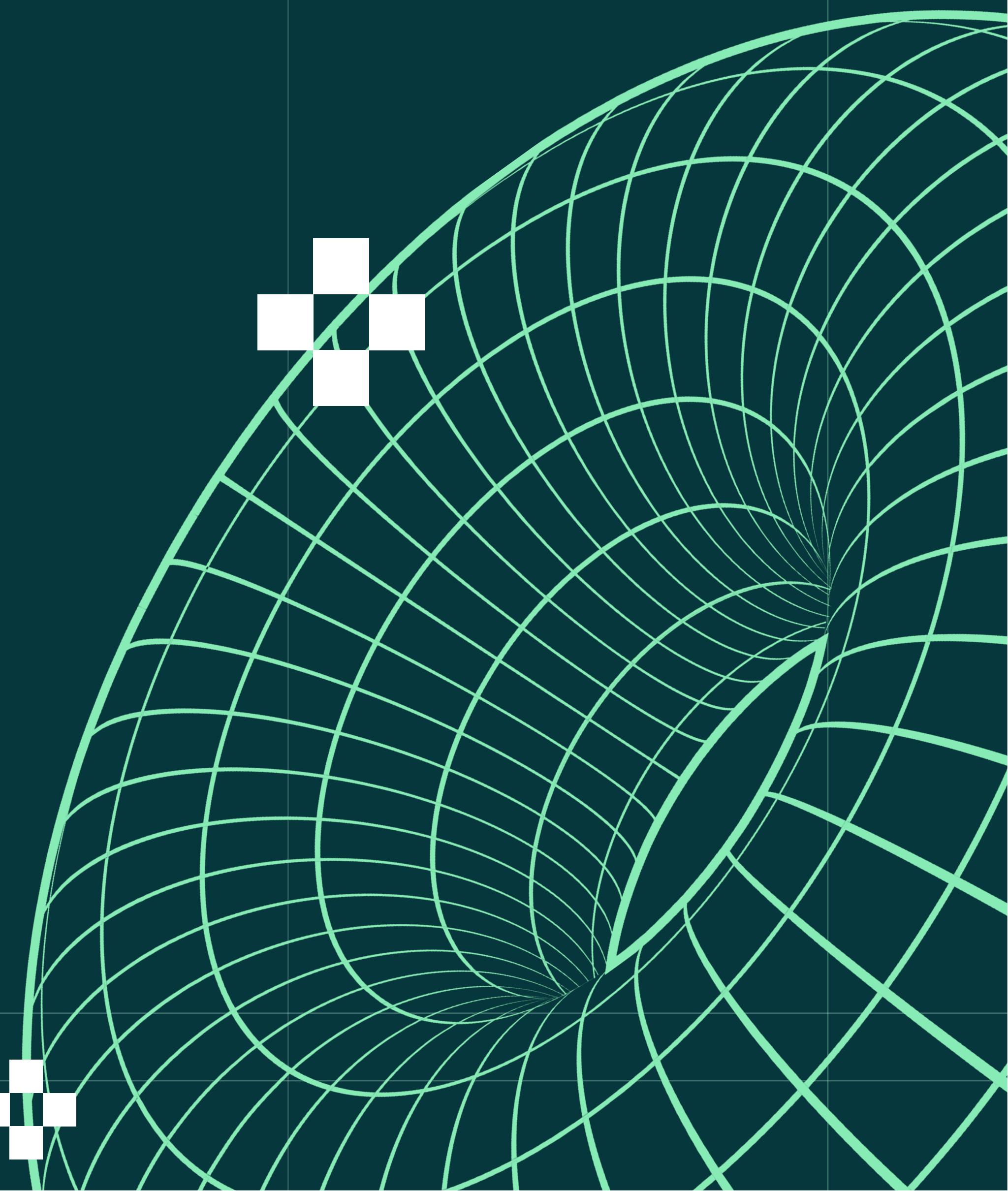
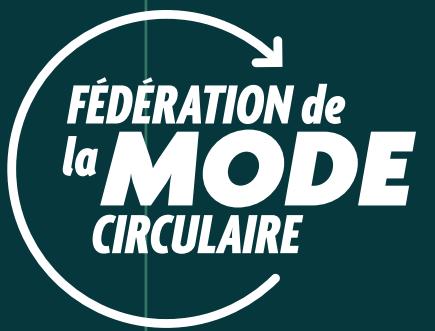
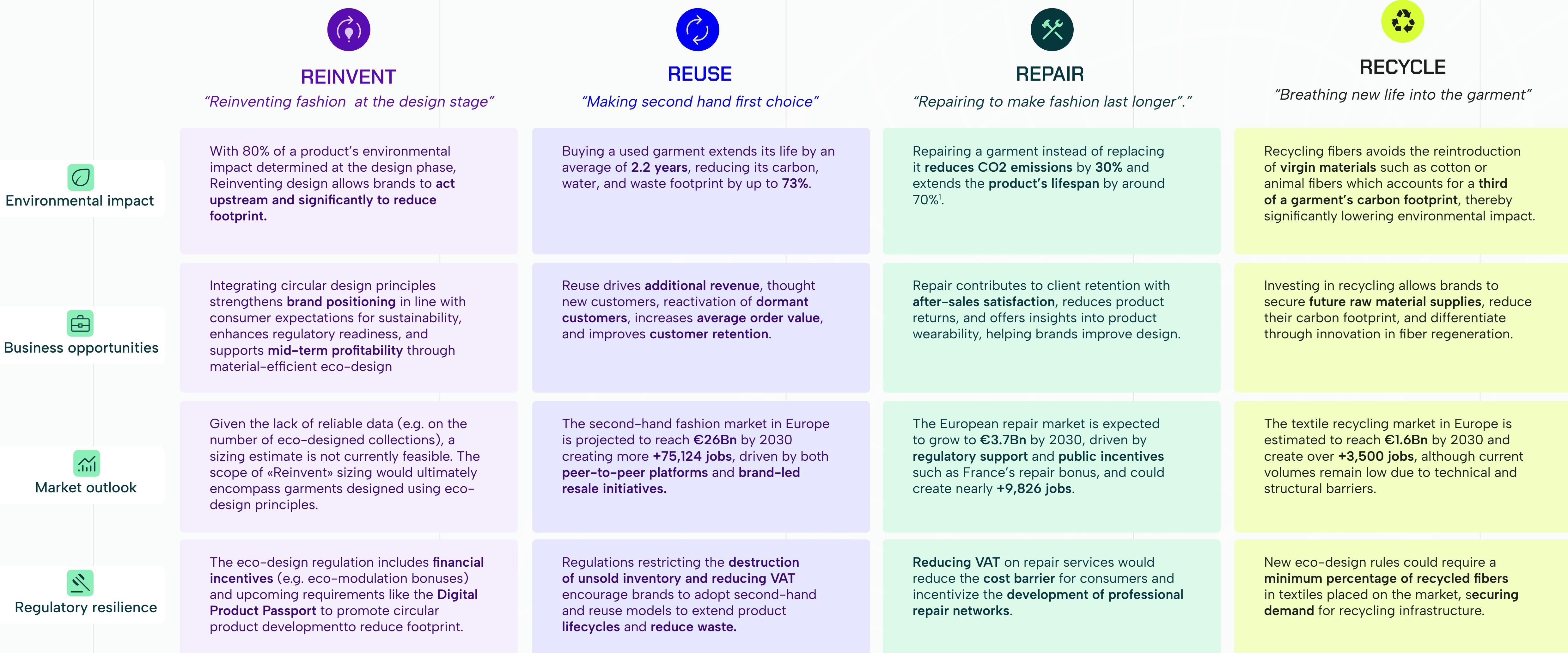


# State & prospects of circular fashion in Europe

KPMG



# By 2030, the circular fashion market – underpinned by four key pillars – could generate €31.3 billion and create 88,500 jobs, unlocking business opportunities that supportive regulation could further accelerate.



# Circular Fashion Federation (FMC) Contributors



**Maxime Delavallée**

President & Co-founder  
Circular Fashion Federation

Maxime Delavallée is co-founder & CEO of CrushON and President of the Circular Fashion Federation. He also teaches growth marketing, impact strategies and the circular economy at ESSEC Business School, CentraleSupélec, Sciences Po Paris and the Institut Français de la Mode. Before launching CrushON, Maxime worked at the World Bank as a public policy consultant and studied at HEC Montréal, McGill University, Sciences Po Paris and the University of St.Gallen.



**Ellie Dahan-Lamort**

Chief Operations Officer  
Circular Fashion Federation

Ellie Dahan-Lamort is Chief Operations Officer at Circular Fashion Federation. Over the past two years, she has coordinated the advocacy and community actions of the Fédération. Before that, she studied law and sustainability at Paris 1 Panthéon-Sorbonne and had her first professional experiences at Clear Fashion and in the CSR team of Showroomprivé.com.



**Hatem Sedkaoui**

Board Member & Co-founder  
Circular Fashion Federation

Hatem Sedkaoui is a leader committed to the sustainable transformation of the textile industry. Former CEO of Suez Textile and ex-Chairman of Fédérec Textile, he played a key role in structuring the textile recycling sector in France. Today, he is continuing his commitment as a member of the Board of the Circular Fashion Federation, where he represents the challenges facing the industry and recycling. His strategic vision, operational experience and strong convictions make him a key player in the circular economy and responsible innovation.



**Quentin Muret**

Circular Strategist  
Circular Fashion Federation

Quentin Muret is a Sustainability Strategy expert specializing in ESG integration and circular business models in fashion and luxury. He has led sustainability transformations for major brands, co-authored market studies on circular fashion in France, and collaborates with the Circular Fashion Federation to drive industry innovation.

**FÉDÉRATION de  
la MODE  
CIRCULAIRE**

# KPMG Contributors

This 2025 edition of the Circular Fashion Market Study was led jointly by KPMG and FMC. KPMG Global Strategy Group and the ESG Center of Excellence have worked together to mutualize their market and sustainability expertise

Structured around 4 strategic pillars, the study provides a forward-looking perspective on the circular transformation of the fashion sector, articulating key market trajectories, business implications and regulatory drivers shaping the industry by 2030 in Europe.



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# The fashion industry is a key contributor to the global economy, but its business model remains largely incompatible with sustainability

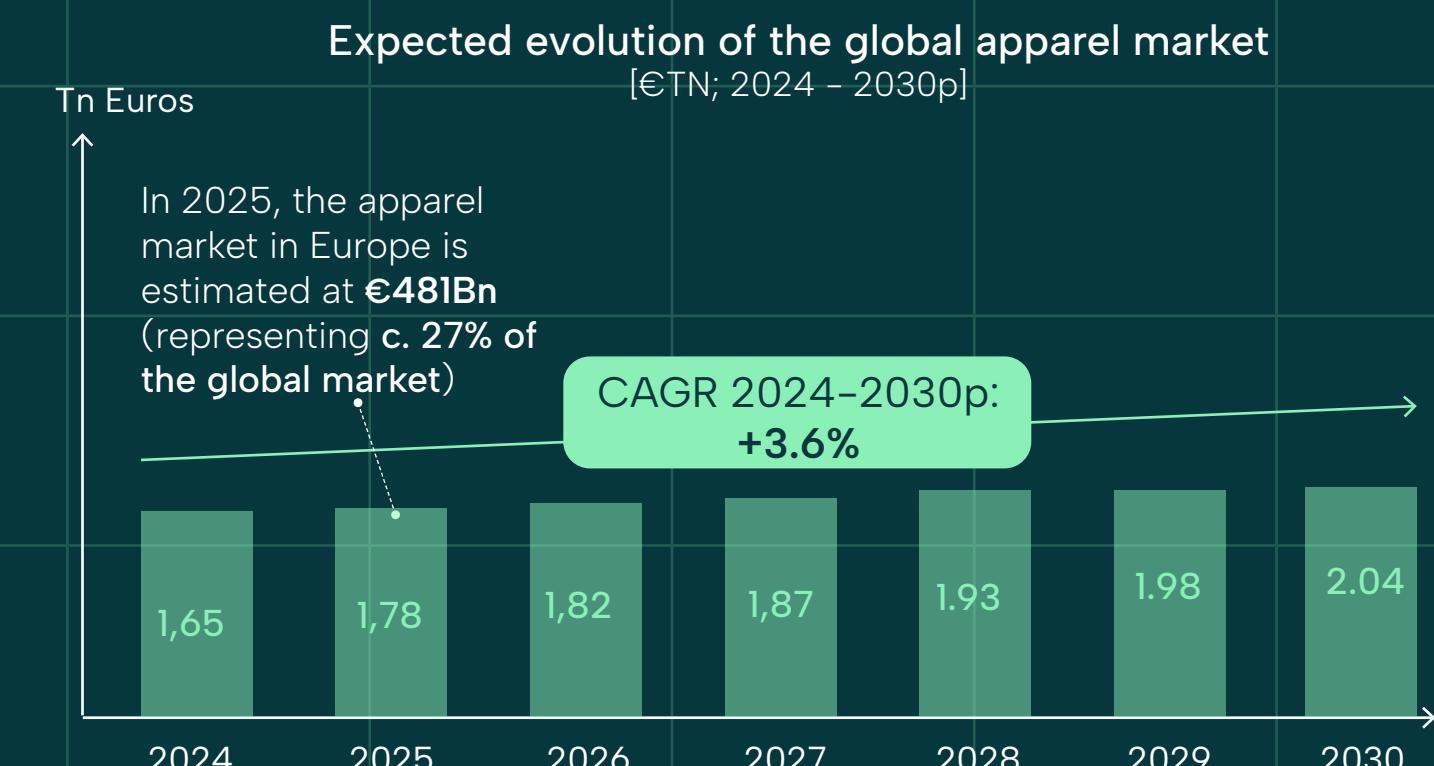
The fashion market spans the entire value chain, from textile production to retail, secondhand trading and recycling. It includes clothing, footwear and accessories.

## The fashion market is a strong contributor to the world economy...

The fashion industry accounts for **2% of global GDP** and employs around 300 million people along the value chain.

The industry is facing **economic uncertainty, a dynamic market and consumers shifts**.

The market is expected to reach **\$2 trillion** by 2030

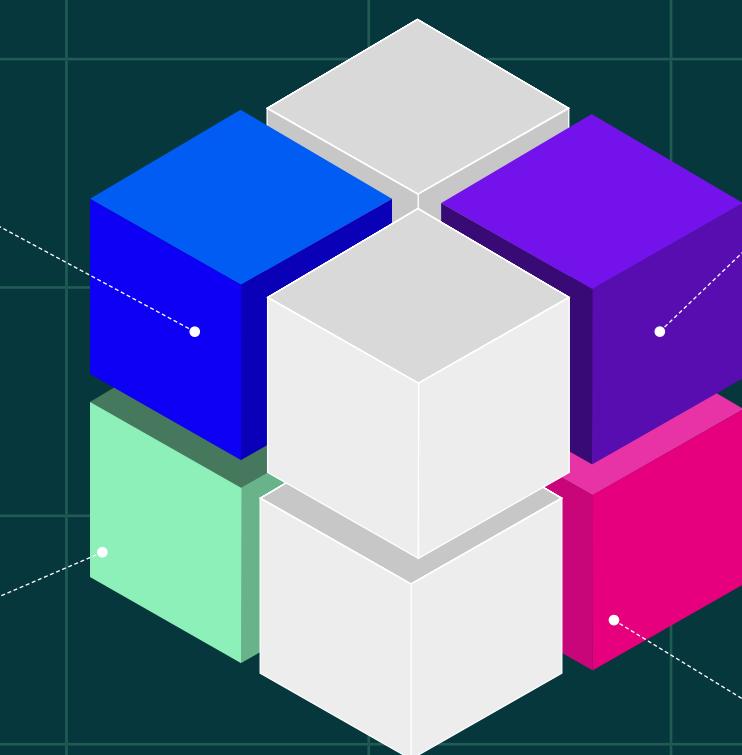


In Europe, the average number of apparel pieces purchased per capita declined from **45.72 items** in **2019** to **41.77 in 2025**. However, a gradual recovery is expected, with consumption projected to reach **41.83 pieces** by **2029 (+0.24%)**, marking the seventh consecutive year of growth.

...with however social and environmental externalities that show the limits of its current practices.

**GREENHOUSE GASES EMISSIONS**  
8% of the global CO2 emissions and impacts to the environment.

**WASTE**  
<1% of the material used to produce clothing is recycled into new clothing, 1 garbage truck of clothes are burned or landfilled every second.



**WATER**  
20% of global clean water is polluted by textile production, with 85% due to dying processes. The equivalent of 50 billion plastic bottles in microplastics are discharged in the ocean due to washing clothes.

**LABOUR**  
80% of apparel is made by young women between ages of 18 and 24, with evidence of forced and child labor in the supply chain.

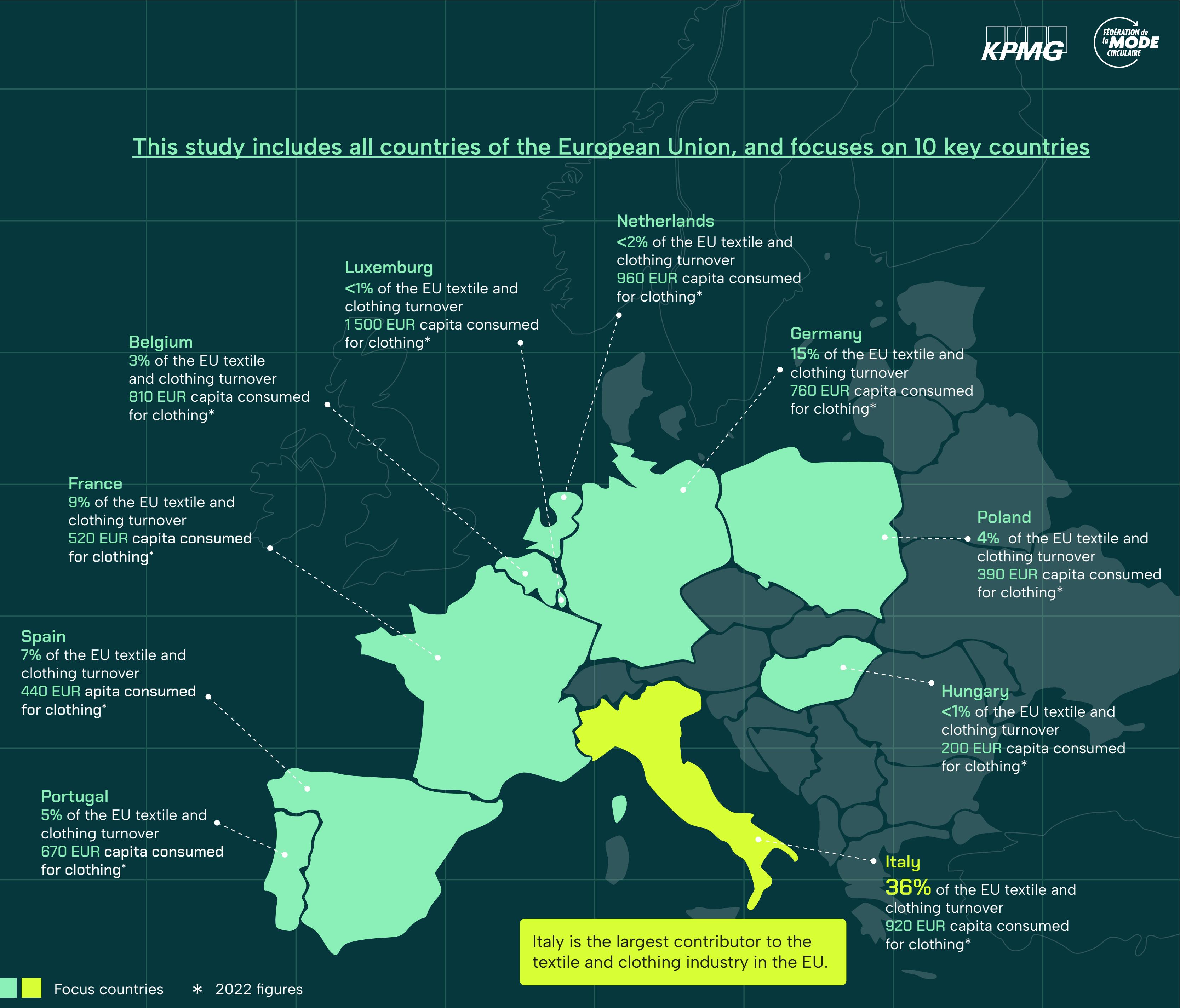
## Split of sorted and separately collected waste in the EU



# Europe stands out as both a hub for fashion brands and consumer demand, while also being shaped by a stringent regulatory landscape 1/2

The European Union has a long-standing presence in the fashion market, home to many enduring brands. Fashion accounts for 10% of all EU exports, making it a dynamic sector with both high consumption and production. However, the industry faces several challenges. Growing awareness of the fashion industry's adverse impact has led to a strong regulatory framework within the region.

This study includes all countries of the European Union, and focuses on 10 key countries



# Europe stands out as both a hub for fashion brands and consumer demand, while also being shaped by a stringent regulatory landscape. 2/2

The European Union has a long-standing presence in the fashion market, home to many enduring brands. Fashion accounts for 10% of all EU exports, making it a dynamic sector with both high consumption and production. However, the industry faces several challenges. Growing awareness of the fashion industry's adverse impact has led to a strong regulatory framework within the region.

## The regulatory context regarding fashion and the environment has been strengthened :



### The Textile Labelling Regulation

Ensures that consumers in the EU are well-informed about the textile products they purchase, including their fiber content. It standardizes how product composition and fiber information are presented.



### EU Ecolabel criteria for textile products

Introduced a label based on ecological criteria to recognize textile products with a lower environmental impact throughout their lifecycle. The criteria have been regularly updated since 2014.



### [NEW] Circular Economy action plan

As part of the European Green Deal, this initiative includes 35 actions to help the EU reduce pressure on natural resources. It is essential for achieving the EU's 2050 climate neutrality target. The first circular economy action plan was adopted in 2015.



### Waste Shipment Regulation

Ensures that the EU does not export waste to third countries in ways that harm human health or the environment. It enhances waste shipment traceability and prevents illegal exports.



### Directive on repair of goods

Promotes repair and reuse by encouraging manufacturers to offer repairs within a reasonable time and at a fair price. Repairability requirements are defined by product-specific legislation.



### Ecodesign for Sustainable Products Regulation

Establishes performance and information rules, known as «ecodesign requirements,» to improve product durability, reusability, reparability, and recyclability. It replaces the 2009 Ecodesign Directive.



2011

2014

2020

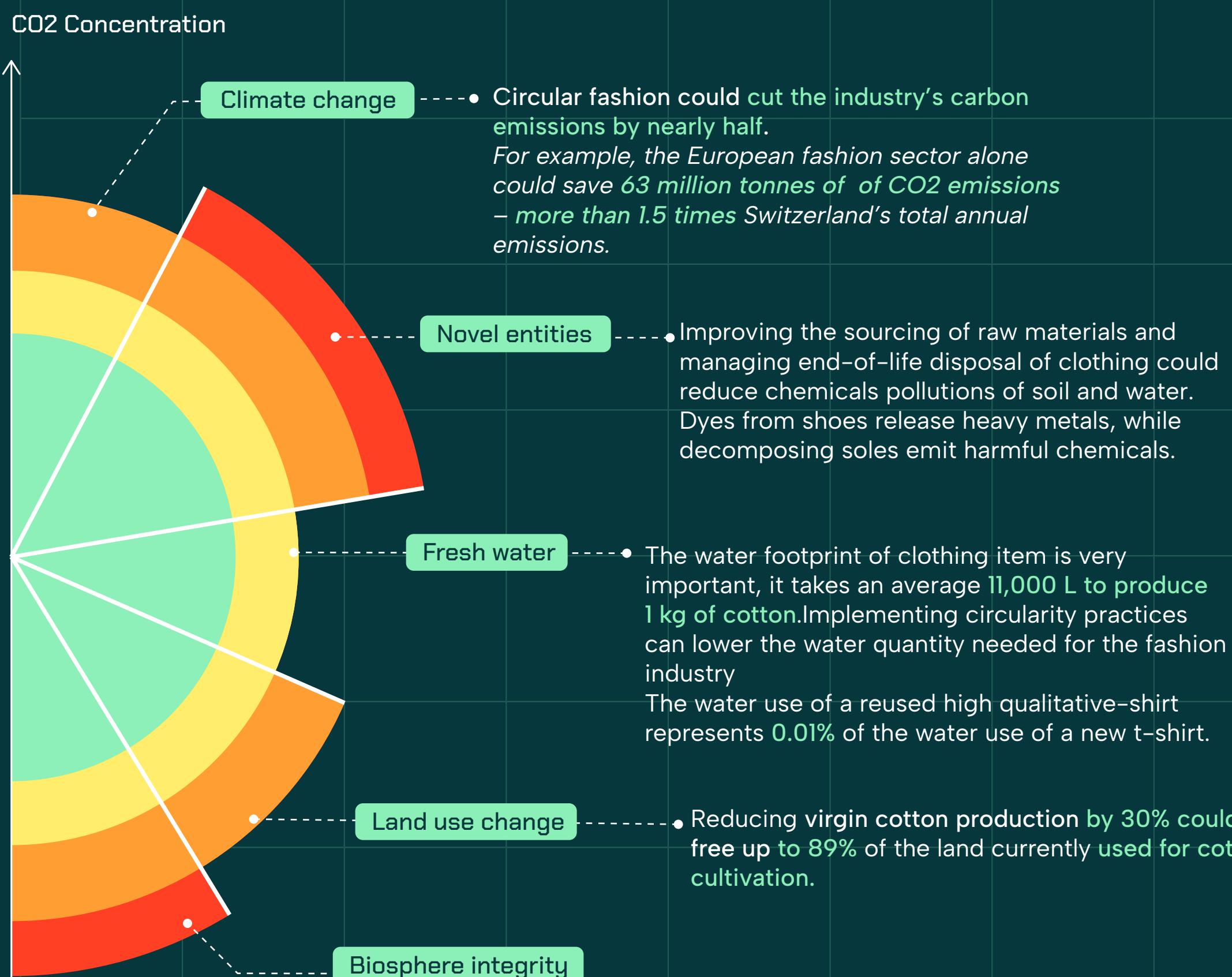
2024

# The circular economy is emerging as a key lever for achieving the fashion industry's decarbonisation and sustainability goals

The fashion industry is a global and complex system with interconnected flows and diverse environmental impacts.

The circular economy should be viewed as a cross-cutting pillar, integrated into the brand's broader climate, biodiversity, and resource strategies.

## Implementing circular economy practices in the fashion industry can ease the pressure on some of the nine planet boundaries



## Circular economy :

- Supports brands' **climate strategy to reach net zero by 2050**: Almost 70 worldwide brands signed the Fashion Industry Charter for Climate Action and committed to net zero.
- **Mitigates environmental impacts** of brands throughout the value chain.
- Can serve as a key criterion in supplier selection, as calls for tenders increasingly include CSR and sustainability requirements.
- Extends the lifespan of products.
- **Supports the waste management strategy and can lower waste costs.**

«The aim of the circular economy is to ensure the sustainable management of resources and thus postpone the date of the exceedance day, which currently occurs at the beginning of August, until 31st of December.»

Sophie Bonnier, Head of Sustainability and Circular Economy at Kering

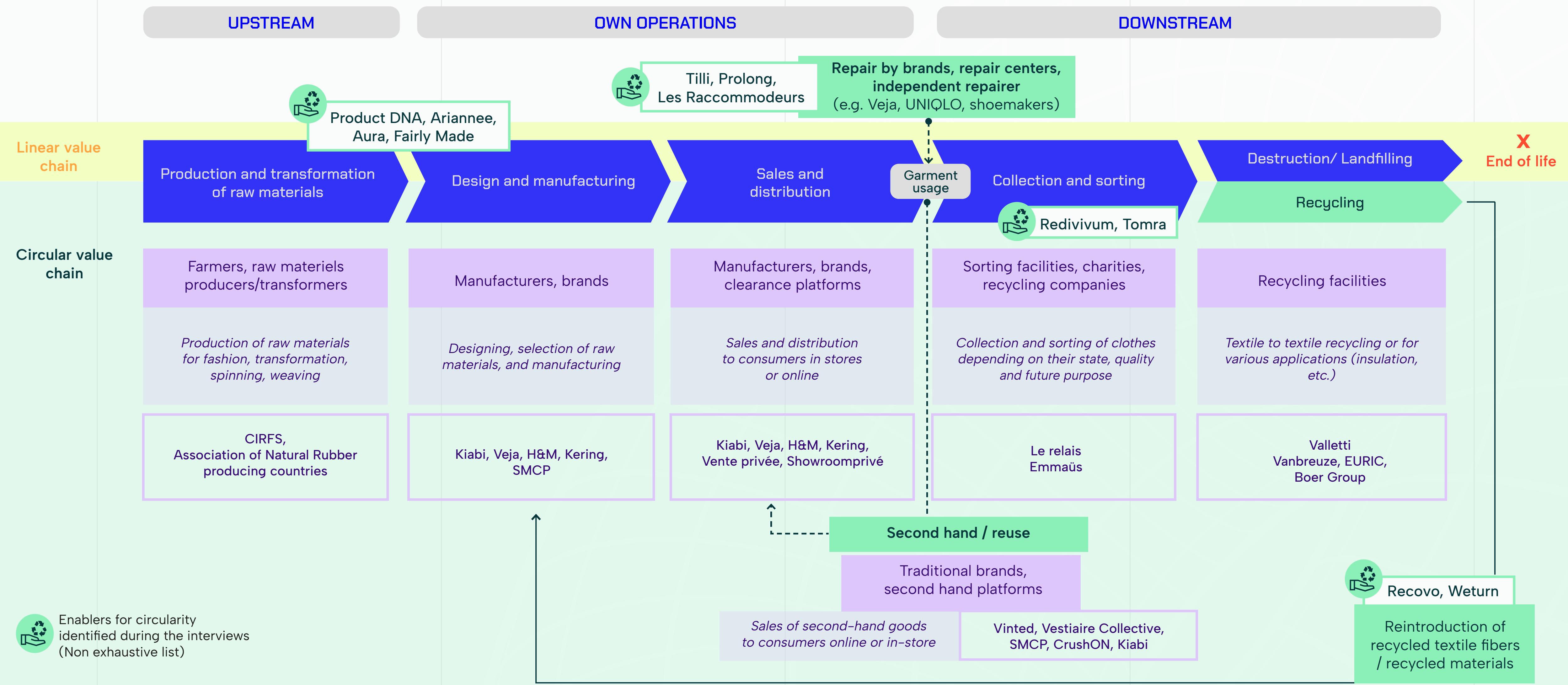


## ZOOM: The environmental footprint methods

Our interviewee emphasized the **challenges in assessing the environmental impacts** of circular strategies on products and their overall footprint. They also underscored the need for a **consistent and robust methodology** to enable comparisons between different strategies and scenarios.

To address this issue, the European Agency introduced the **Product Environmental Footprint Method**, a standardized approach to **measuring environmental performance based on Life Cycle Assessment analysis**. This method evaluates performance across **16 impact indicators**, including climate change, fine particle emissions, water resource depletion, and land use change. Sector-specific guidelines are under development.

# The circular economy is supported by a wide range of stakeholders across the entire fashion value chain

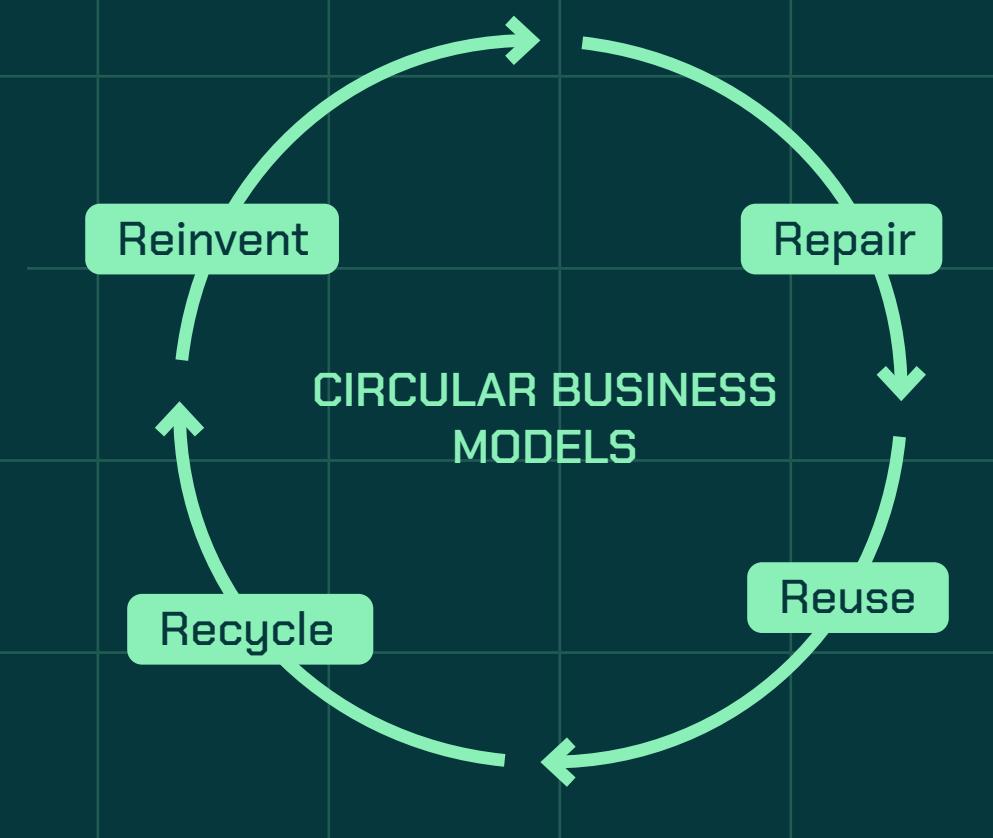


# However, the key challenge remains scaling circular business models at pace and proving their profitability

## From the concept of Circular Business Model for 1st hand players...

Circular Business models are an economic approach that **decouple growth from resource consumption**, by designing products and services that extend their lifecycle, minimize waste, and promotes continuous material loops. These models move away from the linear «take-make-dispose» model to a **regenerative system** towards a regenerative approach, where materials and products retain their value for as long as possible.

The **4R framework** defines the core strategies brands can adopt to transition toward circularity.



## ... to its current road blockers.

Circular business models are **not yet fully established**, and fashion brands are **facing key barriers in implementing them**:

- ? Lack of proven business cases
- ↘ Lack of successful financial KPIs
- \$ High upfront costs
- ⚙ Operational shifts needed
- ↔ Lack of scalability and robustness

«Regarding circular business models, our conviction at KPMG is that a «*ceteris paribus*» comparison of a 2025 circular business model with a 2025 linear business model is insufficient. It is essential to incorporate a forward-looking dimension, particularly the additional costs of linearity (regulation, material uncertainty) and the evolution of consumption patterns over the medium term, while amortizing the investments in circularity. With this enriched approach, circular business models can create value and become more attractive.»

Stéphanie Grandjean Mateos  
Resources & Circular Economy Director at KPMG France

## How can these players capitalise on circular business models and be encouraged to adopt them, knowing that profitability will only be unlocked through bold, large-scale commitment?

# The contribution of these stakeholders can be integrated into 4 key pillars that characterize circular economy



## REINVENT

*"Reinventing fashion at the design stage"*

Reinventing fashion means designing products from the outset with sustainability, longevity, and recyclability in mind.

This involves selecting circular materials that are durable, recyclable, or biodegradable and rethinking production processes to minimize waste and environmental impacts.



## REUSE

*"Making second hand the first choice"*

Reuse refers to reintegrating existing garments back into the circulation through resale or rental models.

This extends the lifecycle of products while reducing demand for new production.



## REPAIRING

*"Repairing to make fashion last longer"*

Repairing products extends their lifespan by restoring functionality rather than discarding and replacing them.

This can be achieved through brand-operated repair services, consumer repair kits, or professional tailoring.



## RECYCLE

*"Breathing new life into the garment"*

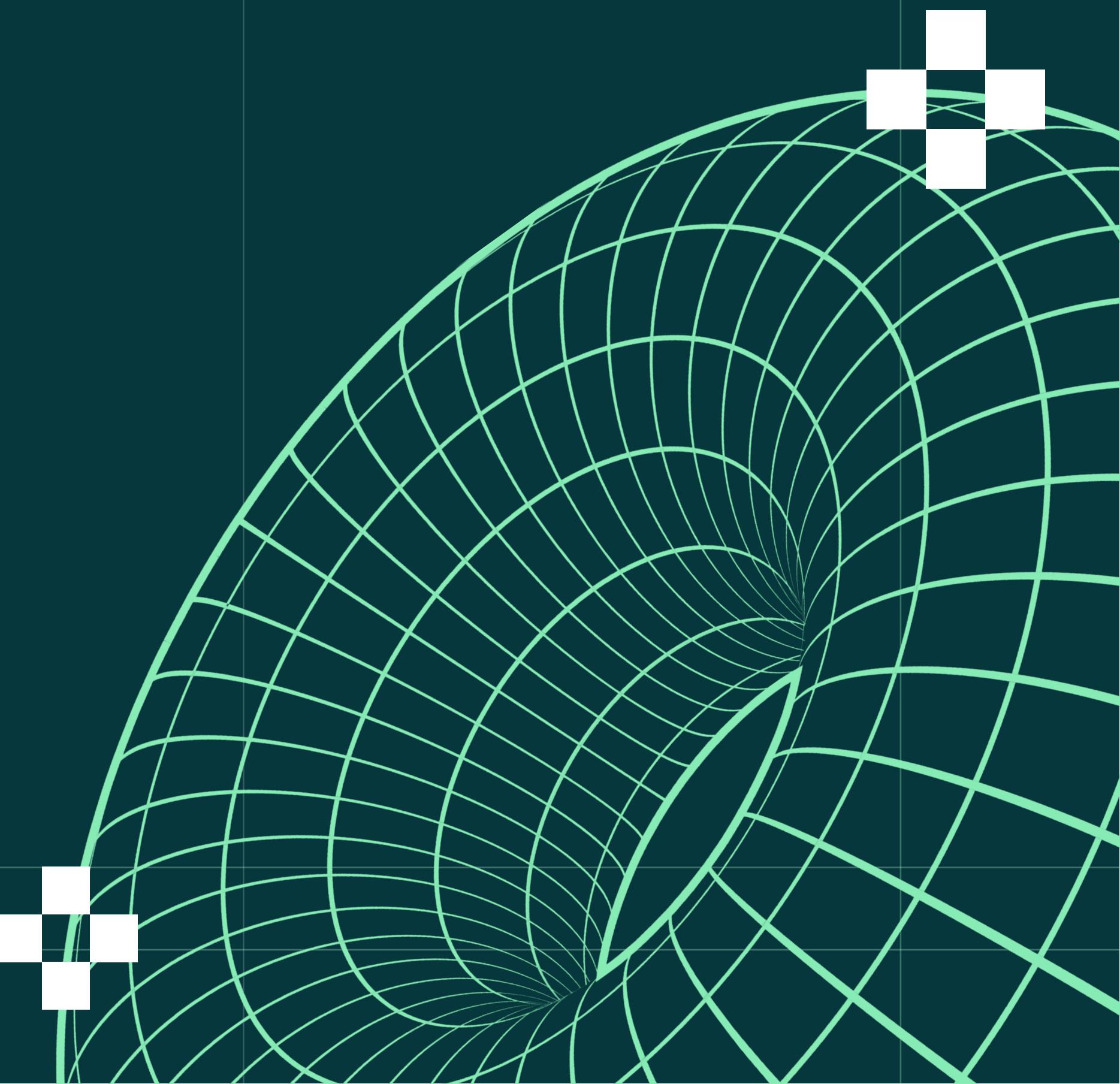
Recycling transforms discarded textiles into raw materials that can re-enter the production cycle, supporting a closed-loop system.

Alternatively, recycled textiles can be repurposed as raw materials for other industries, such as construction or automotive manufacturing.

Garment production value chain

**PILLAR 1****Reinventing**

Reinventing fashion  
at the design stage



# The «Reinvent» pillar encompasses all circular actions that take place at the very beginning of the value chain 1/2

➤ The “Reinvent” pillar is fundamental to circular fashion, as it covers all circular actions that take place at the upstream phase of the value chain — reshaping how fashion is designed, sourced, and produced to embed circularity from the outset.

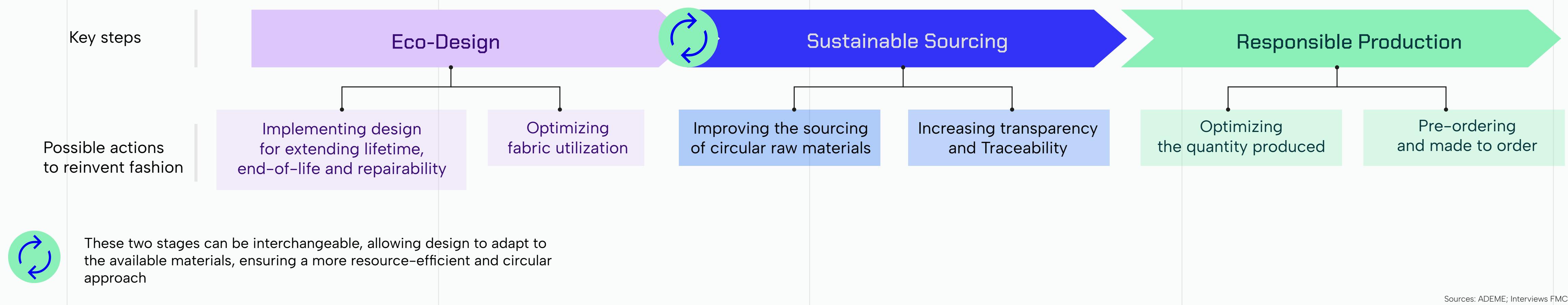
➤ This proactive approach is crucial, given that **80% of a product's environmental impact is determined at the design stage (ADEME)**. By addressing inefficiencies before garments even enter the market, the “Reinvent” pillar helps reduce waste, optimise resource use, and extend product lifespan — all essential steps in the transition to a truly circular economy.

➤ The term “Reinvent” reflects a fundamental shift away from the traditional “take–make–waste” linear model, towards a regenerative system that rethinks production itself. This includes designing products that are not only sustainable, but also emotionally durable — enhancing desirability and strengthening consumer attachment to increase longevity.

➤ As defined by the ISO 14006 standard, eco-design is **“a methodical approach that takes into account the environmental aspects of the design and development process, in order to reduce negative environmental impacts throughout a product's life cycle.”**

➤ Ultimately, “Reinvent” forms the foundation upon which the other pillars — Reuse, Repair, and Recycle — can be effectively implemented.

## Initiatives that can be implemented at each stage to support circularity :



Sources: ADEME; Interviews FMC x KPMG; KPMG Analysis

*“Eco-design is the basis of everything. It's what allows us to take sustainability into account and to think of products outside the logic of programmed obsolescence, with a logic of duration over time, while at the same time trying to anticipate the way in which the product can be reused and ultimately recycled.”*

Pierre-Nicolas Hurstel, Founder of Arianee

# The «Reinvent» pillar encompasses all circular actions that take place at the very beginning of the value chain 2/2

## From the theoretical definition of the concept ...



While designing for extended product lifetime and end-of-life is not yet a mainstream priority in fashion, circular design places growing emphasis on the following principles:

- Mono-material garments (e.g. 100% cotton instead of mixed fibers) when possible, for easier recycling
- Modular construction (e.g. removable zippers, easy disassembly)
- Integrated repairability



Optimising fabric use during the design phase involves strategic material planning and cutting techniques to reduce textile waste and maximise efficiency.



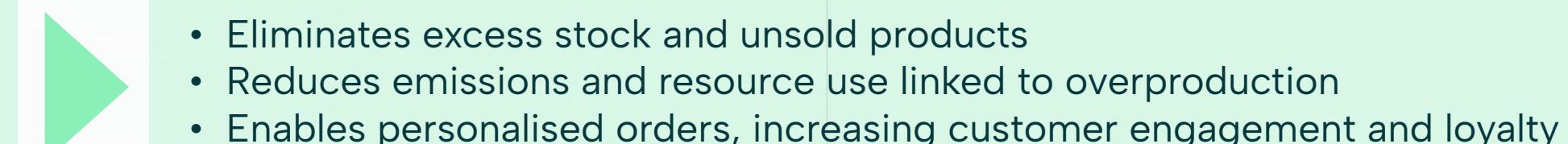
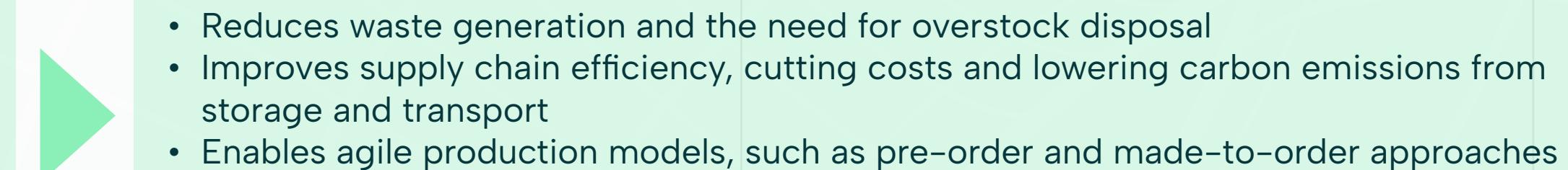
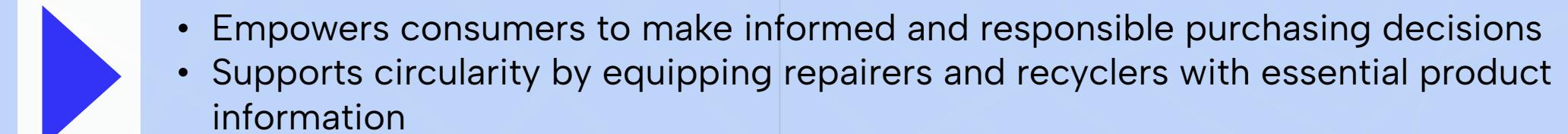
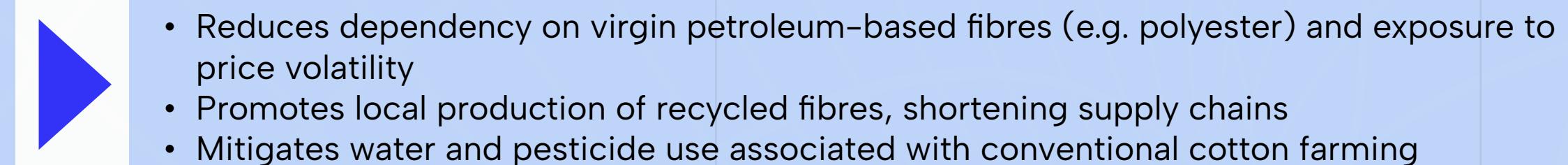
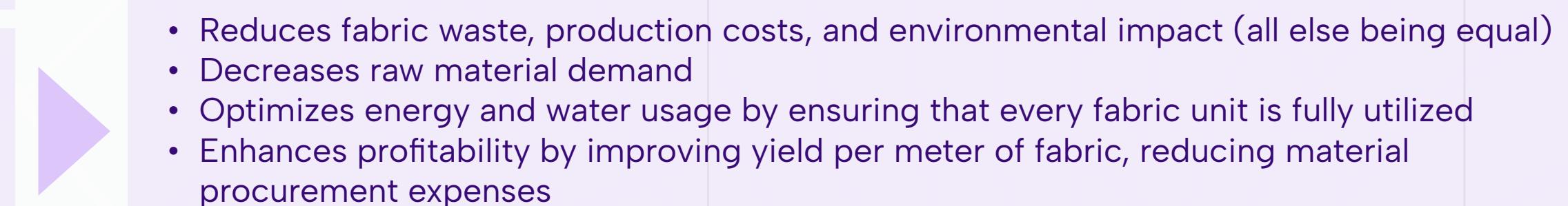
Improving raw material sourcing means shifting towards more responsible inputs — prioritising recycled fibres over virgin materials, supporting regenerative agriculture for natural fibres, and adopting bio-based alternatives such as mushroom leather or lab-grown materials.

Ensuring transparency and traceability across the entire product lifecycle — from sourcing to end-of-life — is essential. For example, Digital Product Passports (DPPs) offer visibility into material origins, carbon footprint, repairability, recycling pathways, and more.

Optimising production requires accurate demand forecasting and smarter inventory management to prevent overproduction, reduce excess stock, and promote quality over quantity. Reducing the number of collections released each year can also be a powerful lever, encouraging a more intentional and sustainable production model.

Pre-order and made-to-order models are effective tools to prevent overproduction, ensuring garments are only produced once a purchase has been confirmed. This approach eliminates unsold inventory and significantly reduces waste.

## ... to its practical relevance along the value chain



# Brands' reinvention journeys can be accelerated through the support of various stakeholders across their ecosystem

## First-Hand Manufacturers

Integrating eco-design, sustainable sourcing, traceability initiatives and responsible production into their production models.



**patagonia**

K E R I N G



**KIABI**  
la mode à petits prix

**SMCP**

STELLA McCARTNEY

Examples  
Recycled / deadstock fabrics, inventory softwares, etc.

Examples  
Standards, rules, guidelines, incentives, etc.

Examples  
Tools, Plug & play solutions, softwares, etc.

## Sustainable & circular textile suppliers

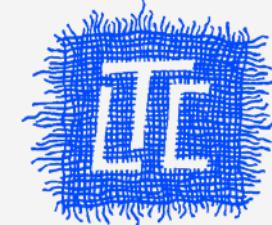
Innovating and delivering circular, low-impact textiles to promote material-level circularity.

**RECOVO**

**WETURN**



RENAISSANCE  
textile  
plateforme française de recyclage textile



## Re\_fashion



ELLEN  
MACARTHUR  
FOUNDATION

.arianee

ProductDNA



«The key issue in traceability is working with suppliers. I think we need to think about how to involve suppliers, how to get them to contribute, but also how to make their task easier, given that all the brands ask them for different information in different formats.»

Marie Samba, Head of Product & Customer Experience at Vaayu

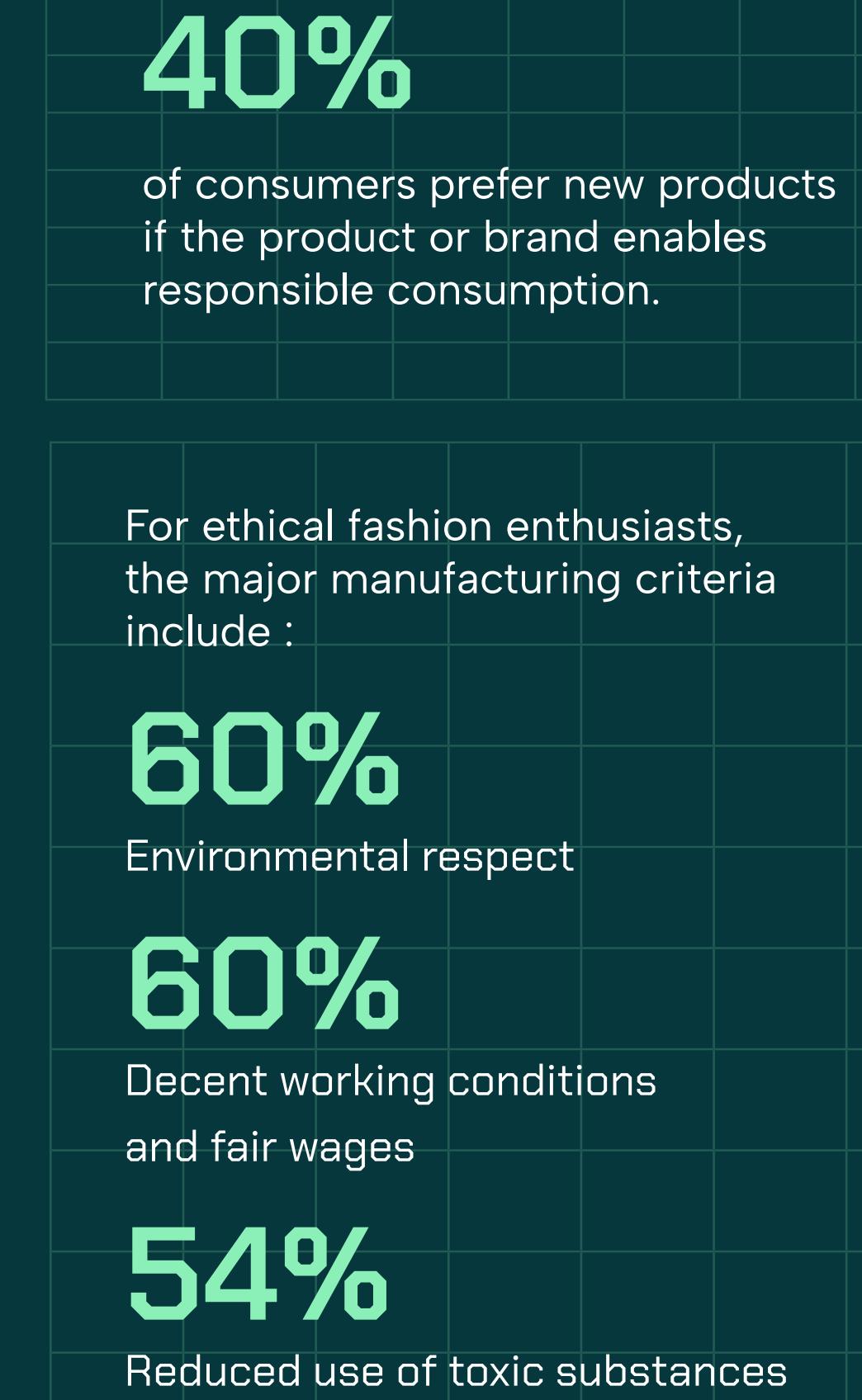
# “Reinvent” actions contribute to improved environmental performance while meeting evolving customer expectations

Initiatives such as eco-design can have a positive environmental impact — particularly by improving the textile mix — while also responding to the expectations of a new generation of consumers who increasingly prioritise eco-responsibility in their purchasing decisions.

The use of recycled fabrics has direct positive effects on the environment...

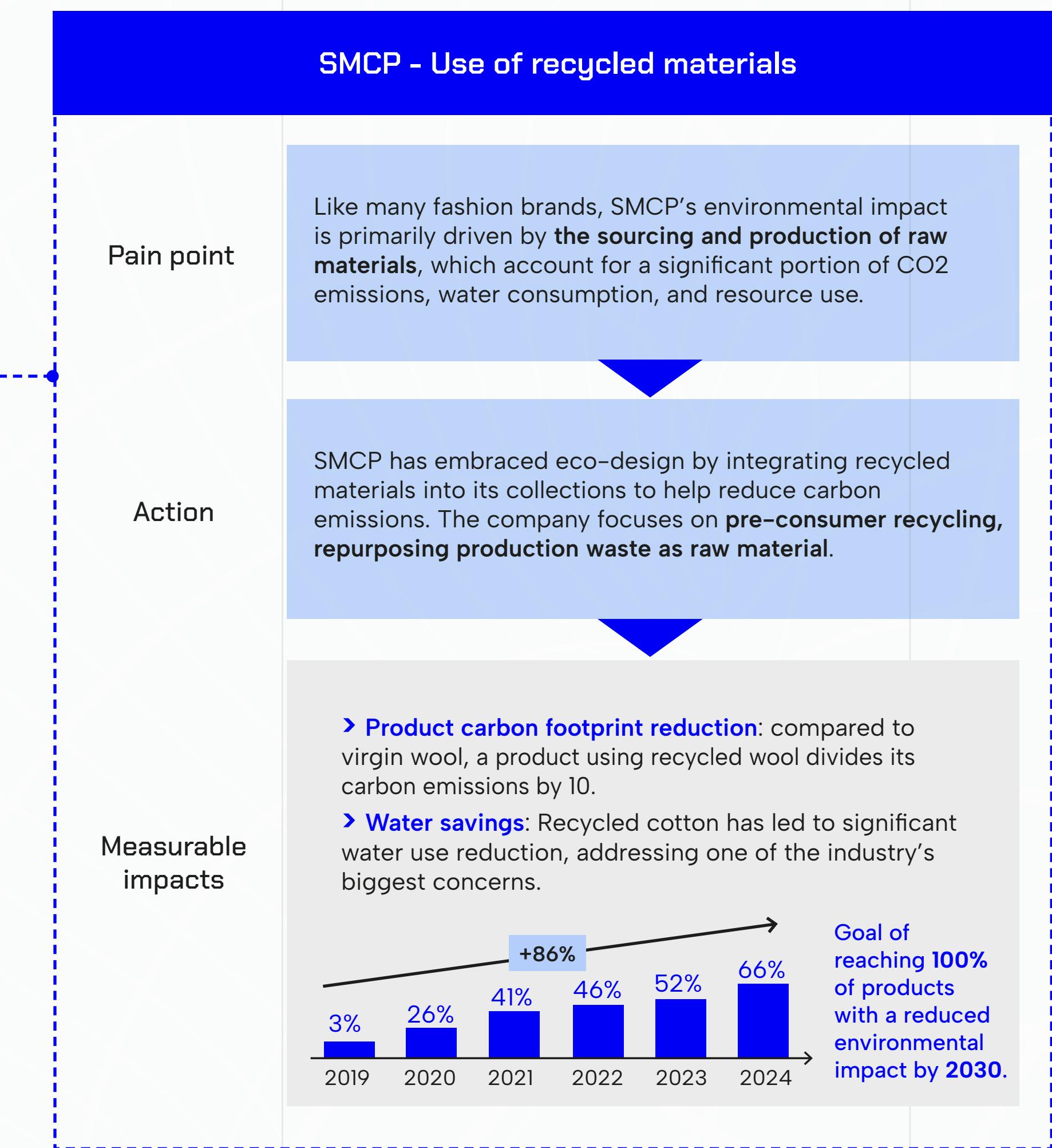
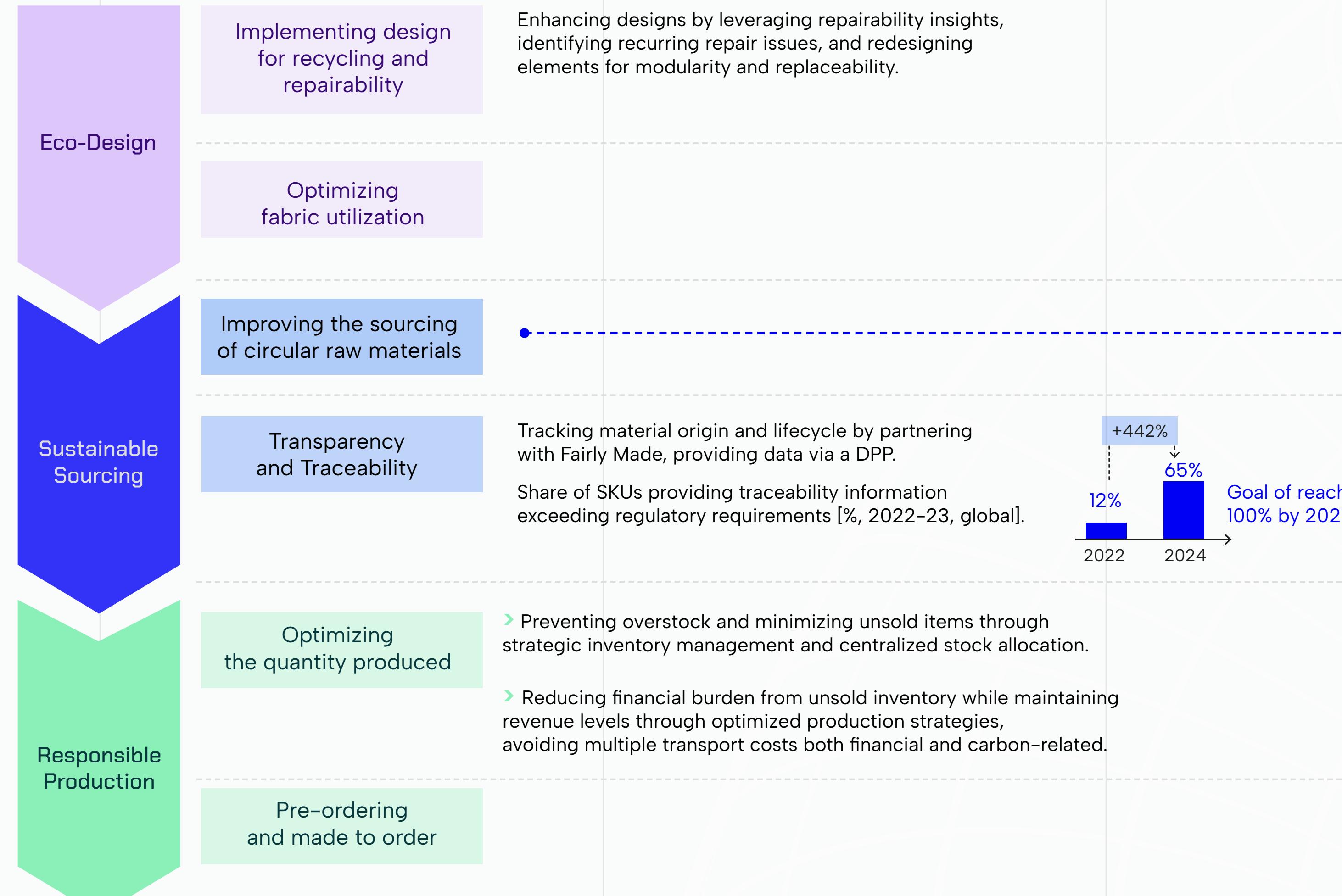
	Virgin polyester	Recycle polyester
Water consumtion	50 to 71 thousand liters per ton of polyester	Significantly lower water consumption (exact figures vary depending on processes)
Greenhouse gas emissions	14,2kg CO2 emissions per kg produced due to fossil fuel extraction and processing	Up to 40% lower CO2 emissions compared to virgin polyester
Energy consumtion	125 megajoules of energy per kg	Requires about 60% of the energy needed for virgin polyester production
Use of nonrenewable resources	Derived from petrochemicals contributing to fossil fuel depletion	Repurposes existing plastic waste, reducing dependence on new fossil fuel extraction
Waste reduction		Recycling plastic waste (e.g. PET bottles)

... more broadly on consumer's considerations



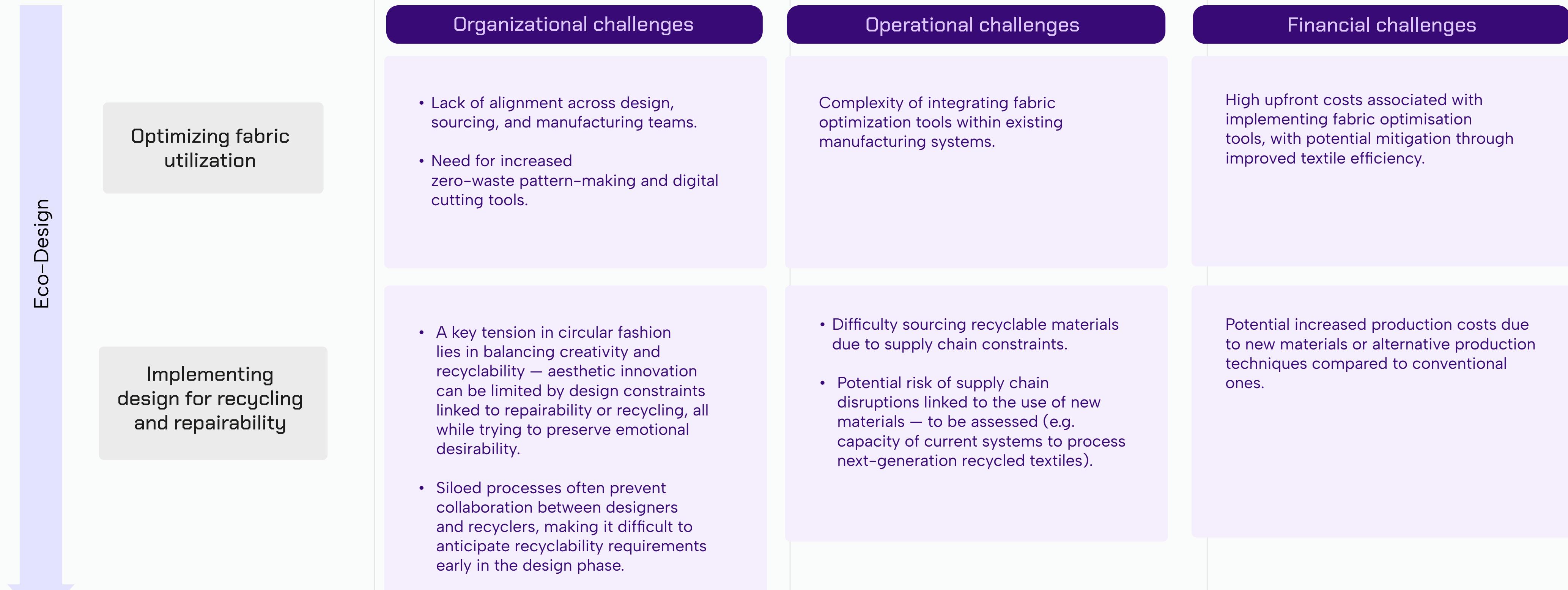
Note: Figures show a true improvement in consumer awareness which however do not translate into the purchasing act.

# SMCP is an example of a fashion brand actively implementing a range of initiatives under the “Reinvent” pillar to advance circularity



# Scaling eco-design solutions often requires overcoming a number of internal challenges

Despite offering strong business opportunities, scaling “Reinvent” initiatives around eco-design requires brands to undertake complex operational transformations.



Sources: Interviews FMC x KPMG; KPMG Analysis

«The challenge is to put a well-designed, circular product that meets specific requirements back at the heart of value creation. Creativity must come from restriction.»

Camille Le Gal Co-founder Fairly Made

# Scaling sustainable sourcing solutions often requires overcoming a range of internal challenges

Despite offering significant business opportunities, scaling “Reinvent” initiatives around sustainable sourcing requires brands to undertake complex operational transformations.



## Improving the sourcing of raw materials

### Organizational challenges

- Need to establish new supplier relationships to prioritize certified sustainable materials.
- Requirement for supplier audits and verification to ensure compliance.

## Transparency and Traceability

- Need to integrate traceability tools across multiple suppliers to enable comprehensive data collection and accessibility.
- Cultural shift towards transparency by leveraging reliable data to enhance supply chain visibility.

### Operational challenges

- Limited availability of sustainable raw materials, requiring extensive supplier diversification.
- In the short term, potential dependency on select suppliers may increase vulnerability and reduce bargaining power.
- Complexity in diversifying the supplier base while ensuring long-term sustainability.

### Financial challenges

- Higher cost for organic or recycled materials compared to conventional ones.
- Potential exposure to price volatility due to fluctuating demand for sustainable raw materials.

- Necessity of an initial investment in technology infrastructure (e.g., digital products passports, AI monitoring, etc.).
- Ongoing operational costs for maintaining transparent reporting systems.

# Scaling responsible production solutions often requires overcoming a range of internal challenges

Despite presenting several business opportunities, scaling up “Reinvent” initiatives around responsible production pushes brands to engage in a transformation with many challenges within their own operations.



# Some players from the value chain have been experimenting with best practices to address these challenges

		Examples of actions
Eco-Design	Implementing design for recycling and repairability	<ul style="list-style-type: none"> <li>➢ Advocating for eco-design guidelines tailored to specific sectors, products, or materials</li> <li>➢ Integrating feedback from after-sales services and repairers to improve upstream design and reduce repair costs</li> <li>➢ Monetising repair services and offering extended warranties as added-value propositions</li> </ul>
	Optimizing fabric utilization	<ul style="list-style-type: none"> <li>➢ Rethinking the collaboration process between design and procurement departments</li> <li>➢ Training on zero-waste pattern-making</li> </ul>
Sustainable Sourcing	Improving the sourcing of circular raw materials	<ul style="list-style-type: none"> <li>➢ Diversifying material portfolios to include recycled and innovative materials</li> <li>➢ Investing in material innovation (e.g. mushroom leather, lab-grown silks)</li> <li>➢ Consolidating supply chains and integrating strategic actors</li> </ul>
	Transparency and Traceability	<ul style="list-style-type: none"> <li>➢ Consolidating traceability information in light of the upcoming Digital Product Passports requirements</li> <li>➢ Partnering with technological enablers to facilitate supplier relationship and gathering of information</li> </ul>
Responsible Production	Optimizing the quantity produced	<ul style="list-style-type: none"> <li>➢ Implementing AI-powered forecasting tools to better predict sales-through and production needs</li> </ul>
	Pre-ordering and made to order	<ul style="list-style-type: none"> <li>➢ Educating consumers on the benefits of pre-ordering to reduce waste</li> <li>➢ Developing partnerships with manufacturers to ensure custom order sizes</li> </ul>

Embedding sustainability in fashion education is key to equipping future designers and product teams with the capabilities to rethink legacy models. This shift directly supports the 'Reinvent' pillar by building a pipeline of talent aligned with circular transformation goals.

# Moreover, the development of the “Reinvent” pillar can unlock a range of long-term opportunities for brands

While the implementation of circular initiatives requires technical investment, scalability, financial viability, and consumer engagement, it also represents the possibility to generate a strong competitive advantage at various levels:

## Competitive and market advantage

- A **brand image advantage** that not only sets the brand apart from its competitors, but also **enhances its standing with customers** who are sensitive to environmental issues, **generating greater customer loyalty in the process**.
- An **opportunity to set the example and lead the way** for other brands to implement circular initiatives and to **drive consumer habits**.

## Regulatory advantage

- A **first-mover advantage** for brands implementing initiatives under the “Reinvent” pillar — enabling them to **anticipate upcoming regulatory frameworks** in the textile sector, particularly in Europe (e.g. Digital Product Passports, Product Environmental Footprint method).
- Although initial costs may be high, future regulation — particularly targeting fast-fashion brands — is likely to create a **catch-up effect, reinforcing the long-term value of early adoption**.
- An opportunity to **become a key stakeholder** in shaping industry regulations, for example by participating in regulatory think tanks and working groups.

## Business model advantage

- An advantage in **performance improvement** through the optimization of raw material usage, allowing for a potential reduction in procurement costs and thus creating a **medium-term margin protection tool**.
- Through the implementation of new circular KPIs, brands can **redefine success based on extra-financial KPIs** such as lifecycle durability, recyclability rates, and resource efficiency.
- A first mover advantage in **building long-term relationships with sustainable suppliers** who will be increasingly in demand and in **strengthening the brand's bargaining power**.

“3 pieces of advices:

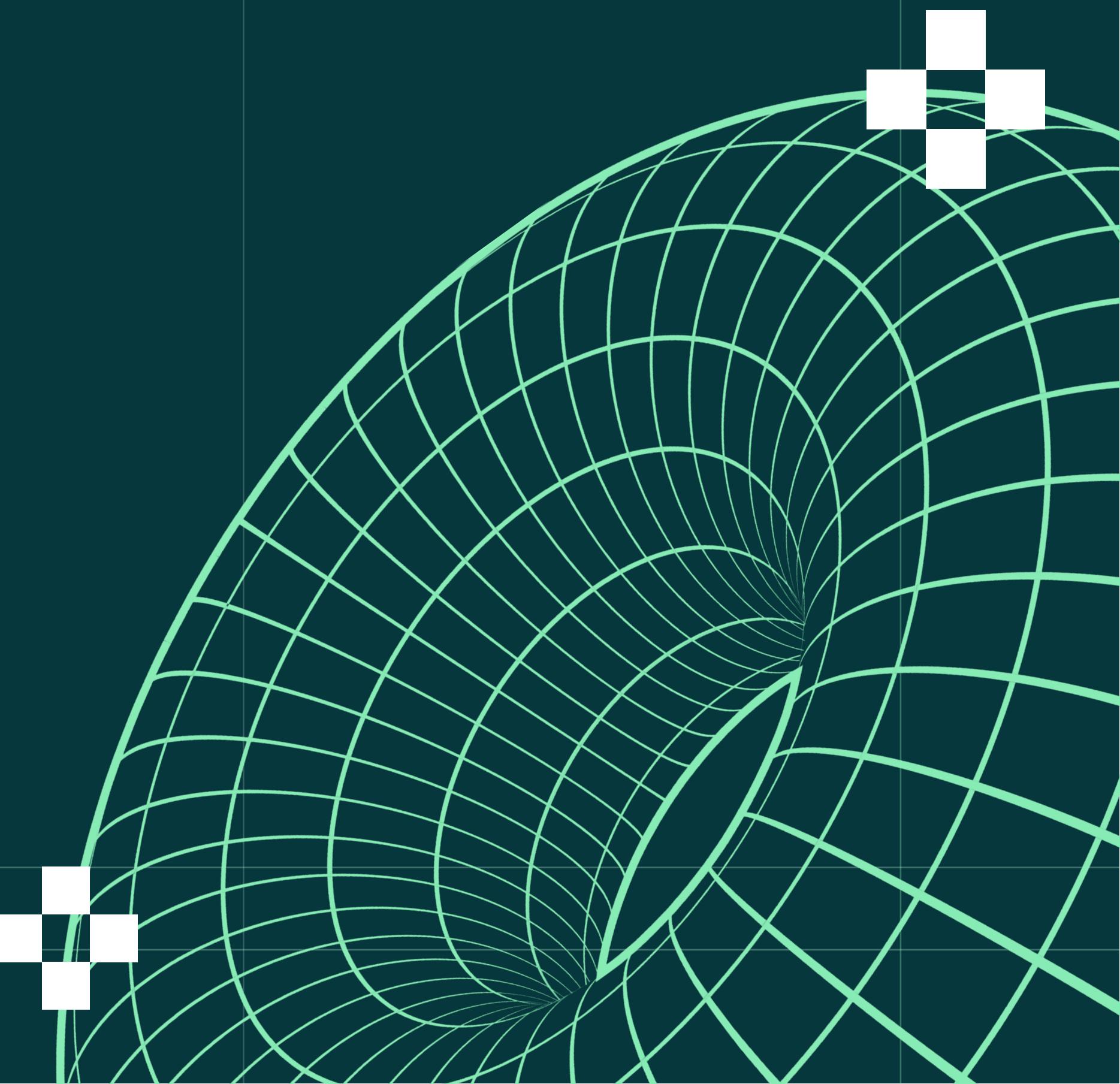
① Make smaller collections but make higher quality collections. ② Be in control of your total supply chain.

Know exactly where each fibre and each button, and each detail of your garment comes from, because the total defines the quality of your end product. ③ Make sure that you find the right way, the right tone of voice to communicate what the efforts you do on shared clarity towards the consumer in an understandable language.”

Tony Tonnaer, Business development manager at Product DNA

## PILLAR 2 Reuse

Make second hand  
the first choice



# Reuse, encompassing second hand and rental markets, aims to extending a garment's lifetime



## 2nd hand clothing market

- The second-hand clothing and footwear market refers to the **buying and selling of pre-owned garments, leather goods and accessories**. This market includes various platforms such as **thrift stores, vintage shops, online marketplaces, and specialized second-hand stores**.
- The primary drivers for this market are **sustainability, affordability, and the unique appeal of vintage fashion**.
- Consumers are increasingly aware of the environmental impact of fast fashion and are **turning to second-hand options to reduce waste and promote a circular economy**.

### Second-hand business models

#### Peer-to-peer platforms

Websites allowing individuals to buy and sell pre-owned items directly from each other.

#### Resale stores

Retailers buying, inspecting, and reselling second-hand items.

#### Consignement shops

Stores selling items on behalf of the owner and taking a commission on the sale.



## Clothing rental market

- The clothing rental market involves **renting garments for a specific period instead of purchasing them**. This market is particularly popular for **formal wear, and event-driven fashion** such as weddings and galas.
- The rental model is **gaining traction due to its convenience, affordability, and sustainability benefits**, allowing consumers to access trendy outfits **without the commitment of ownership** and to borrow high-end designer outfits at a fraction of the retail price.

### Rental market business models

#### Subscription model

Customers pay a monthly fee to access a rotating selection of garments.

#### Standalone model

Customers rent individual items for a specific event or period, a common model for formal wear and specific occasions like weddings and galas.

# By reducing the need for new production, the “Reuse” pillar reduces textiles carbon, waste and water footprint

## A strong contribution of the second-hand market...

### Impact of lifetime extension

Extending the life of a garment by just **nine months** can reduce its carbon, water, and waste footprints by around **20-30%**.

Buying a **used garment extends its life on average by 2.2 years**, which reduces its carbon, waste and water footprint by **73 percent**.

### Impact of buying used vs. new clothing items

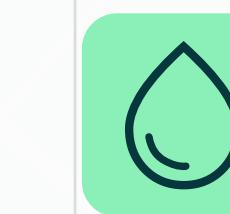
The **environmental impact of reusing textiles is 70 times lower**, even when accounting for global exports for reuse, including transport emissions.

More specifically, **3 kg of CO2 are saved** for each high or medium-quality clothing that is reused, **reuse requires only 0.01 per cent of the water used in the production of new clothing**.

## ...coupled with promising impacts of the clothing rental market.

Rent the Runway (RTR), an online fashion rental brand, conducted a study on the sustainability of clothing rental. Their straightforward research involved surveying users and comparing the life cycle of purchased versus rented clothes. The results were promising, indicating that **clothing rental can significantly reduce environmental impact**:

### Resource use and emissions of rented vs. purchased clothes



**-24%**



**-6%**



**-3%**



Special attention should be given to the rebound effects associated with second-hand fashion. These occur when the environmental benefits of resale are offset by increased consumption – particularly when fast fashion continues to feed the market with short-lived trends. Lower prices can encourage overbuying, and if second-hand purchases do not replace new ones, the potential for resource savings is minimal. Additionally, logistics and resale operations generate emissions, further limiting the net sustainability gains.

**The second-hand clothing market helps lower the carbon footprint by reducing the need for new production. In 2022, the reuse of textiles in the EU saved approximately 3.5 million tons of CO2 equivalent.**

Sources: European Environment Agency; Recycling magazine for European textile reuse and recycling industry; Patagonia institutional website; Rent the Runaway study; KPMG Analysis

«Caring for the planet has become the ultimate luxury—and indifference is simply out of style. With luxury fashion prices on the rise and economic pressures mounting, embracing second-hand represents a meaningful opportunity for brands to offer more inclusive pricing—profitably, sustainably, and at scale—while remaining true to their unique identity and style. Circularity is no longer optional; it's fundamentally about reconnecting brands, their customers, and the planet.»

Daniela Ott, Founder, Agape Consulting

# Certain second-hand market players have successfully measured these positive impacts and introduced new monitoring KPIs

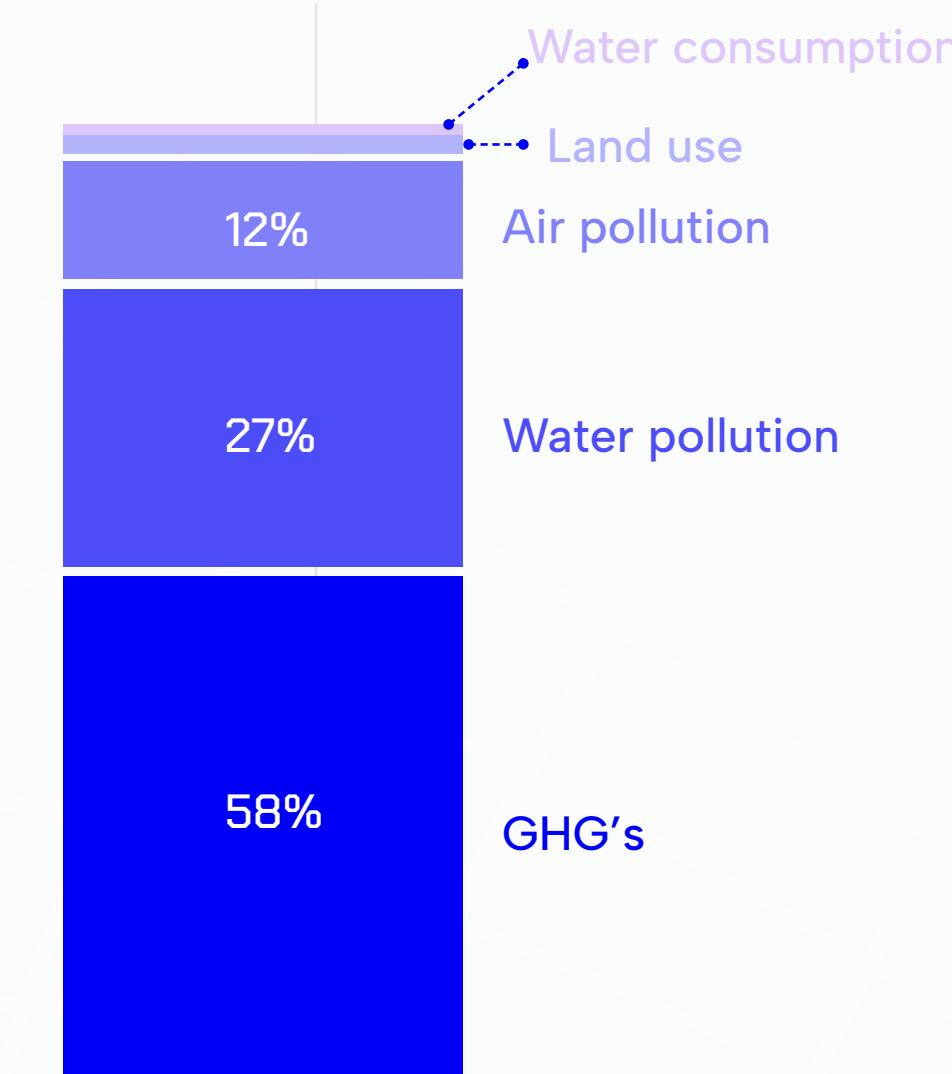
## Vestiaire Collective

Vestiaire Collective is deeply embedded in the **reuse pillar of fashion circularity**, facilitating **the resale of premium and luxury fashion items between individuals and professionals**. Operating on a global scale—primarily in Europe, the U.S., and Asia—the platform differentiates itself through **high authentication standards, a strong fashion-centric identity, and a highly engaged community**. In 2023, the platform generated a GMV of **\$168 million** in Europe.

### A positive environmental impact

Localized Shipping	Warehouses in France, the UK, the US, and Hong Kong enable <b>local-to-local transactions</b> , reducing shipping distances.
Lower Air Transport Use	Air shipping dropped from <b>50%</b> in 2020 to <b>30%</b> in 2023, replaced by more <b>sustainable road transport</b> .
Direct Shipping Growth	<b>65%</b> of items are now shipped <b>directly</b> between buyers and sellers (vs. <b>48%</b> in 2020), cutting emissions from extra logistics steps.
Reusable Packaging	Multi-use cardboard boxes and minimal excess packaging help cut waste—only <b>10%</b> of shipments require additional pouches (down from <b>50%</b> in 2019).
No Virgin Plastic	Since 2021, packaging is <b>98% recyclable</b> , with <b>63%</b> made from recycled, organic, or bio-sourced materials.

### Breakdown of the environmental impact

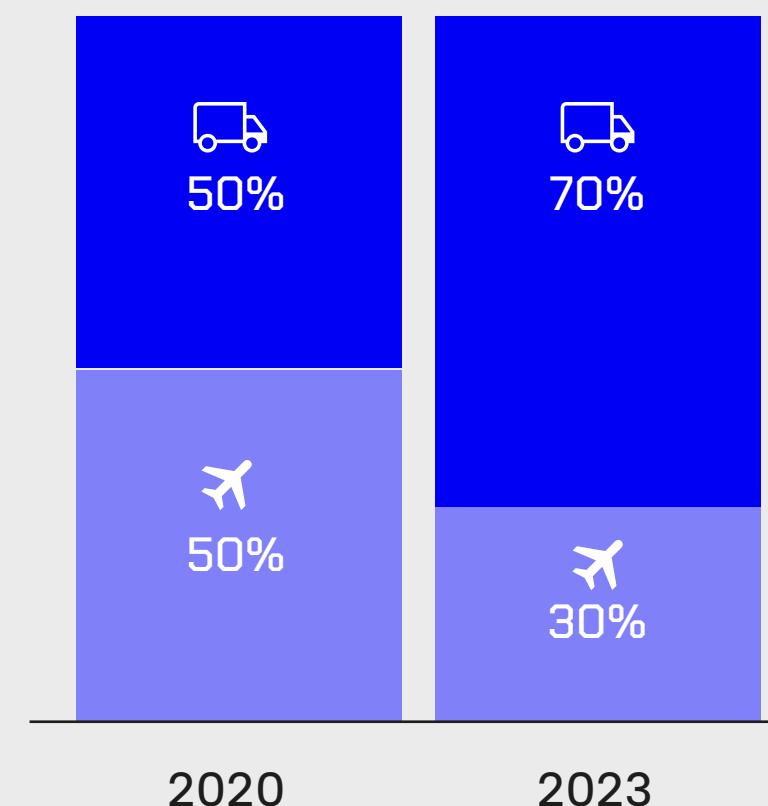


Shopping on the platform **reduces environmental impact by 90% compared to buying new**, as it avoids the significant environmental costs associated with production, such as water consumption, pollution, and greenhouse gas emissions.

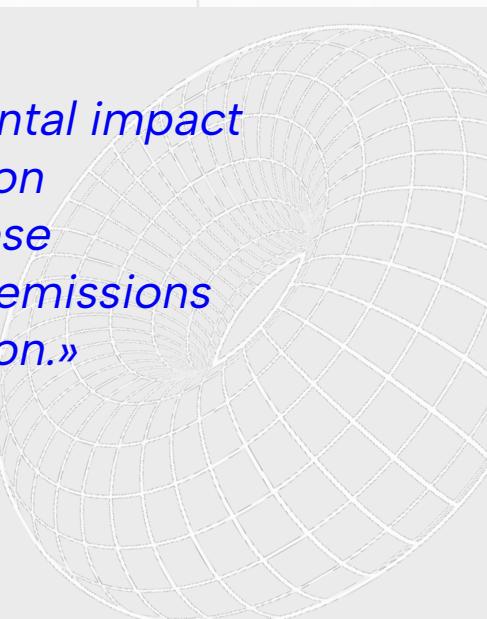
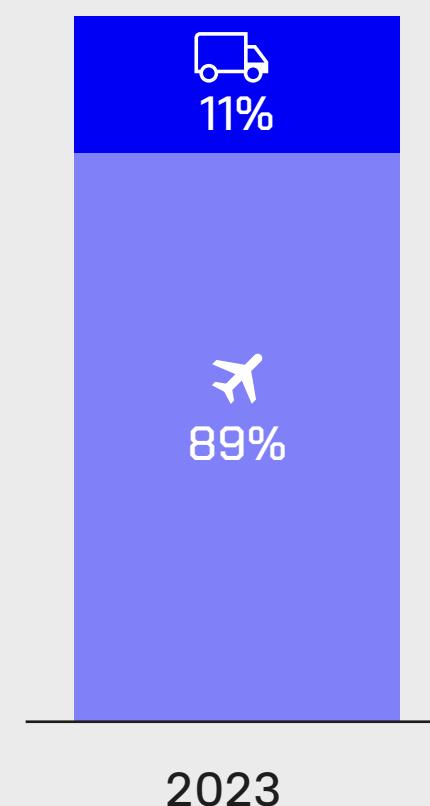
«Vestiaire Collective acknowledges the environmental impact of logistics, particularly due to double transportation for authentication. However, even considering these impacts, second-hand fashion still reduces CO2 emissions by approximately 90% compared to new production.»

Hortense Pruvost, Head of impact of vestiaire collective

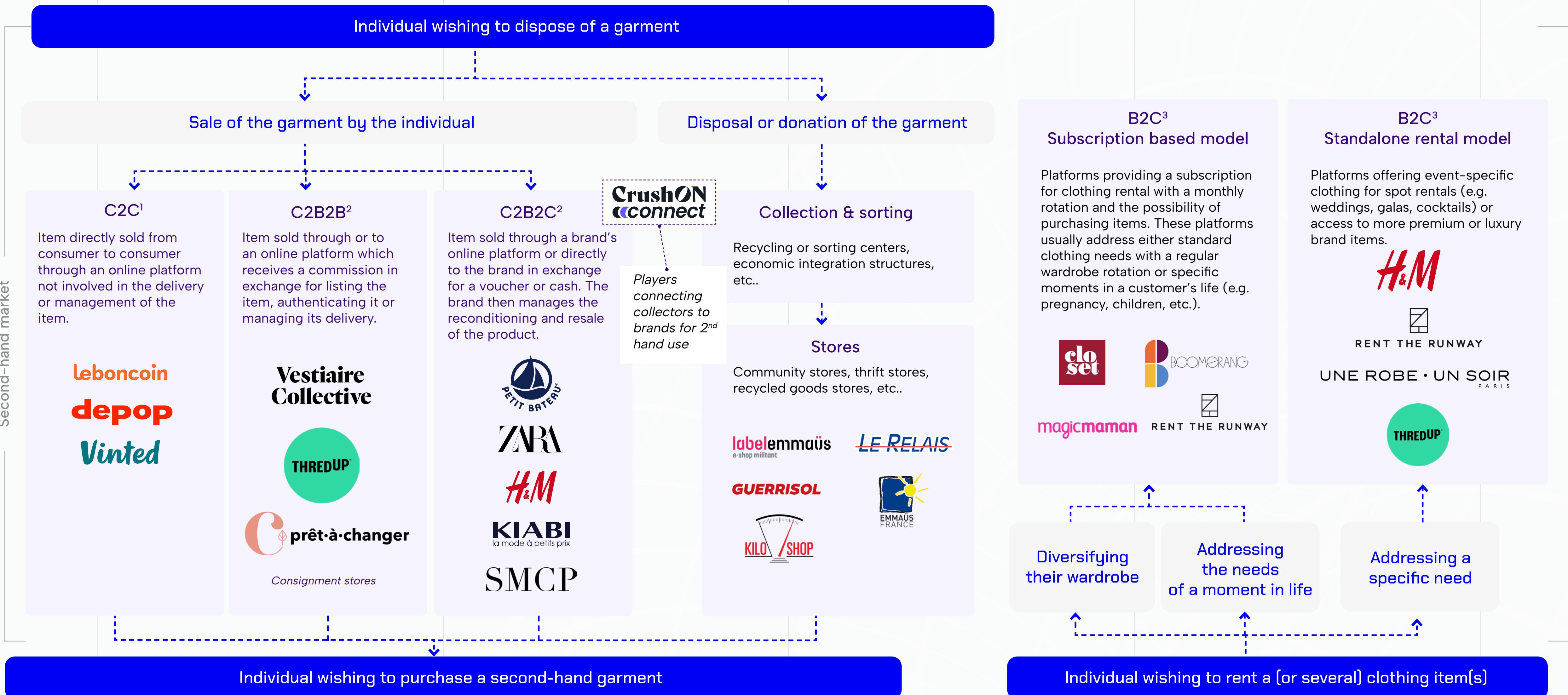
### Share of air vs. road shipments



### Share of air vs. road transport CO2 emissions

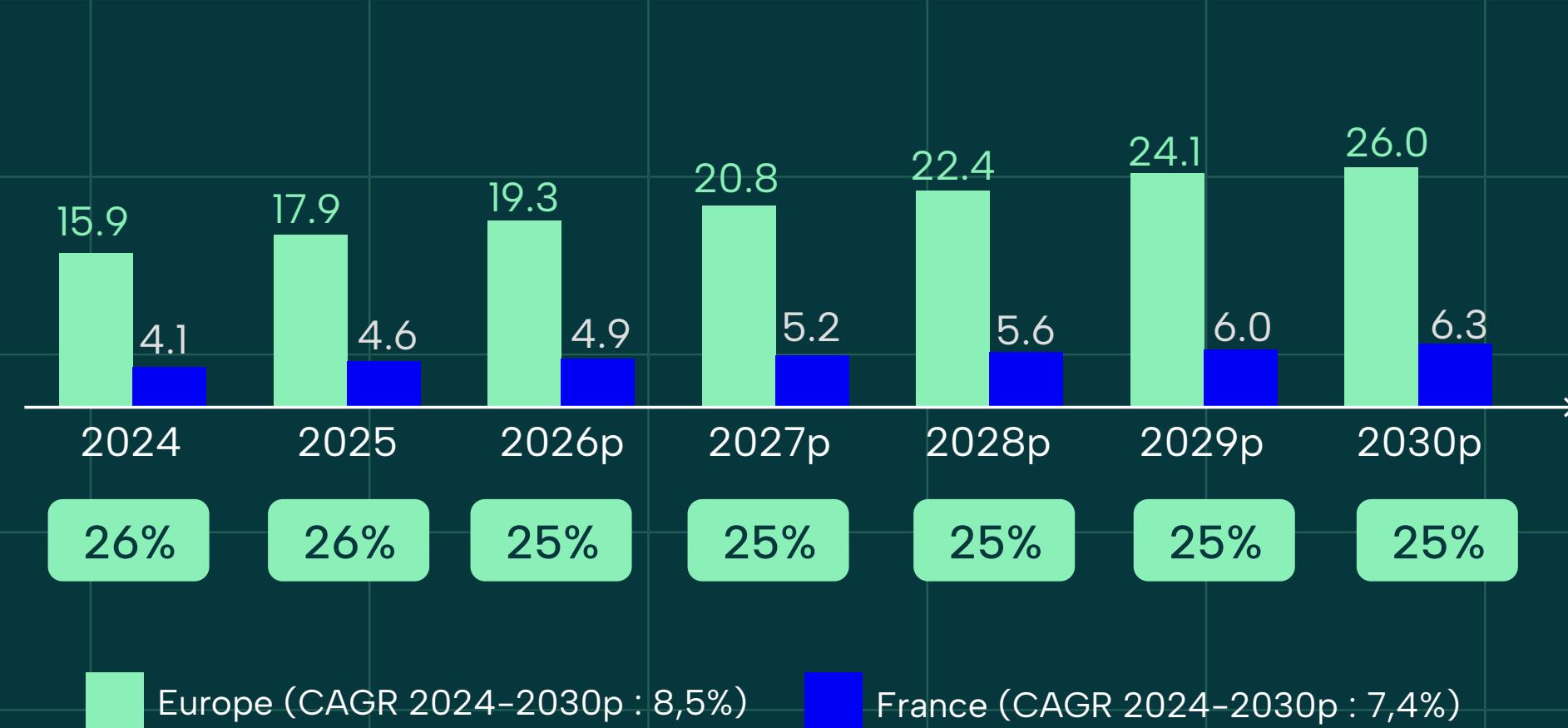


# Players in the “Reuse” ecosystem are diverse and can be found at several stages of the value chain



# Overall, the European second-hand market is expected to grow at an 8.5% p.a. rate, reaching ~€26Bn by 2030

## Estimated evolution of the apparel second-hand market in Europe [€Bn; 2024 – 2030p]:



### This sizing has been carried out with the following assumptions:

European second-hand market estimated at €16.9Bn in 2024 and expected CAGR of 8.5% to 2030.

As of 2024, the French apparel second-hand market holds a share of 8% of the global market, which leads to a share of 26% when compared to Europe.

## European country-specific 2nd hand perspectives

Italy displays a **projected CAGR of 7.4% from 2024 to 2034**. Sustainability focus and strong eCommerce infrastructures boost the market. Italy's fashion and tourism reputation supports its growth.

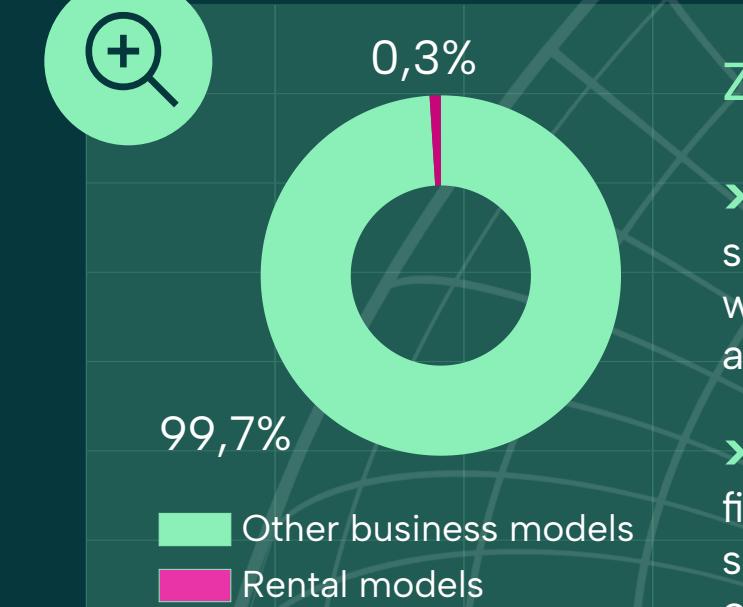
Germany has an **expected CAGR of 5.4% by 2034**. Eco-conscious consumers and robust digital infrastructures drive the market. Germans invest in high-quality pre-owned clothing.

Spain is poised for explosive growth with a **projected CAGR of 8.1% through 2034**. Young population and thriving e-commerce make second-hand clothing accessible while Spanish consumers value vintage authenticity.

France is set to expand at a **CAGR of 6.6% through 2034**. Government initiatives and the sharing economy support its growth. Millennials and Gen Z drive demand for sustainable, unique fashion.

Best in class country

## Zoom on the rental market



➢ In the vast \$2 trillion global apparel market, rentals represent just a small fraction. However, rental-based business models provide brands with a chance to attract new customers and serve as a valuable tool for advancing sustainability in the fashion industry.

➢ Drivers of the clothing rental market include: the rise in e-commerce, financial savings, sustainability, the “decluttering” trend, the rise of the sharing economy and the fact that it is seen as a perfect solution for one-off needs

# «Reuse» is driven by evolving consumption habits, especially among new generations, and regulatory changes

Economic	<ul style="list-style-type: none"> <li>Consumers are driven by the financial benefits of second-hand, seeking affordable prices and value for money to maximize their purchasing power.</li> </ul>	 Positive	<ul style="list-style-type: none"> <li>High economic motivation leads to favorable attitudes towards second-hand clothing.</li> <li>Ability to stretch their budget and shop at lower prices.</li> </ul>
Hedonic (treasure hunting)	<ul style="list-style-type: none"> <li>Excitement of finding rare, unique, or vintage pieces drives buyers.</li> <li>Thrill of hunting for treasures provides emotional satisfaction, making shopping fulfilling.</li> </ul>	 Strong Positive	<ul style="list-style-type: none"> <li>Treasure-hunting thrill enhances positive attitudes more than economic and ethical considerations.</li> </ul>
Ethical motivations	<ul style="list-style-type: none"> <li>Environmentally responsible consumers buy second-hand to reduce waste/conserve resources.</li> <li>Concerns about labor rights and ethical production lead to choose second-hand over fast fashion.</li> </ul>	 Positive	<ul style="list-style-type: none"> <li>Consumers feel they are contributing to larger environmental and social good, connecting with individuals seeking to align their consumption with their values.</li> </ul>
Fashion Interest	<ul style="list-style-type: none"> <li>Fashion-forward consumers are drawn to second-hand stores for vintage or unique items.</li> <li>Fashion-conscious consumers prefer second-hand clothing as a sustainable alternative.</li> </ul>	 Mixed	<ul style="list-style-type: none"> <li>While interest in unique fashion can be a positive driver, strong materialistic values and a preference for new or trendy items can have a negative impact.</li> </ul>
Political views	<ul style="list-style-type: none"> <li>Consumers favor Second-hand when supporting government intervention in environmental issues.</li> <li>Those who prioritize personal freedoms may prefer individual choice.</li> </ul>	 Divergent	<ul style="list-style-type: none"> <li>Belief in government responsibility for environmental issues.</li> <li>Individual liberty reflecting a preference for personal choice over communal responsibility.</li> </ul>



## Zoom on regulatory framework

The EU's Strategy for Sustainable and Circular Textiles aims to ensure textile products are durable, repairable, and recyclable. Key measures include:

- Design requirements
- Digital product passports
- Extended producer responsibility (EPR) for waste management

The Commission proposes mandatory EPR schemes for textiles in all EU member states.



France's Anti-Waste and Circular Economy Law (AGEC, 2020) includes environmental labeling, prohibition of destroying unsold goods, and extended EPR for the lifecycle of other products.



Germany's Circular Economy Roadmap emphasizes resource efficiency, supply chain due diligence, closed-loop systems, and compliance for textile production and sale.

# The implementation of “Reuse” initiatives relies on a set of prerequisites that brands need to secure

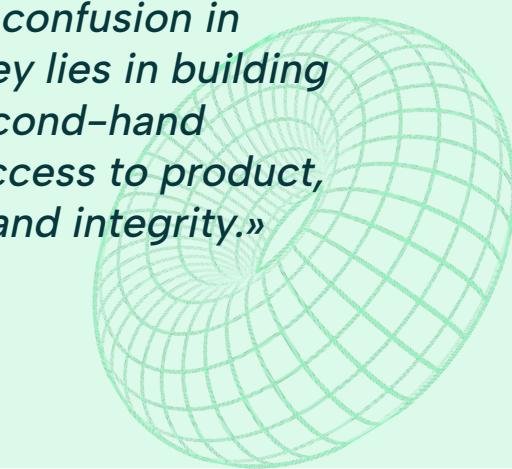
1

## Differentiated pricing and value proposition

Leveraging **price as an indicator of brand desirability** on second-hand platforms. Appropriate pricing and differentiated value proposition helps to maintain the value required to make the model profitable.

*«For brands that produce their own collections, resale raises legitimate concerns: risk of brand dilution, loss of control over the narrative, or confusion in positioning. For these players, the key lies in building strong, trusted partnerships with second-hand professionals — to ensure not just access to product, but coherence in experience and brand integrity.»*

Maxime Delavalle, Founder and CEO of CrushOn



2

## Secured desirability

**Ensuring desirability via the brand's engagement on social networks** (e.g., TikTok, Instagram, Facebook – groups) and including CSR, circularity and second-hand aspects in communication planning.

*«For second-hand to be a real alternative, it needs to have the same ease of use, supply and affordability as new fashion.»*

Marianne Gybels, Senior Sustainability Director at Vinted



3

## Omnichannel maturity

**Achieving digital and e-commerce maturity as a first stage, then developing the physical in-store channel** (e.g., Petit Bateau, Kiabi, Galeries Lafayette, H&M, Selfridges).

4

## Optimized warehousing

**Ensuring sufficient storage space** in the boutiques network and warehouse for second-hand stock, **as well as the necessary logistical platforms**.

5

## Trained salespeople

**Train sales staff** in the second-hand speech, as well as in the process of receiving and checking garments on deposit.

6

## Controlled environmental impact

Ensuring a **limited rebound effect** on sales to avoid additional environmental impact from second-hand sales.

# Market experiences incorporating “Reuse” initiatives can offer numerous business benefits



## 2nd hand clothing market

- Generation of an **additional in-store purchases** through vouchers, as seen with several brands that have set up a second-hand segment, with a very large proportion of vouchers used quickly and driving a **boost of the customer's basket average value**.

- **Reactivation of existing non-active customers or new customers who do not initially belong to the brand's core target segment** (i.e., segments for whom 'first-hand' products' pricing is perceived as too expensive, for example).

- In the short term, creation of a "**defensive approach**", meaning it might not drive immediate additional client acquisition, but it can contribute to churn reduction.

- **Better control of brand's prices on the 2nd hand market**, considering the brand's value on the 2nd hand market is a true **reflection of brand perception and popularity among customers**.

- Reduced acquisition costs and improved customer loyalty.

*«With the trade-in of second-hand products by brands, we have seen sales generated at a margin of 40% year-on-year and we are on track to reach 50% in the next few years.»*

Aymeric Déchin, Co-founder & CEO of Faume



## Clothing rental market

- The rental model has the potential to drive progress in the circular fashion economy, but its **success is highly dependent on shifting consumer habits**.

- While rental is gaining traction in Europe, **cultural barriers and usage patterns still limit its widespread adoption**. Unlike in the US, where event-driven fashion rental (e.g., weddings, galas, formal events) is deeply embedded in consumer habits, European consumers are less accustomed to renting clothing for specific occasions.

- To make rental a scalable and profitable business model, **companies must align offerings with cultural habits in each geography, but also with key life moments** as shown with examples of players operating on the French rental clothing market today:



**POSSIBLE**

Entry into working life, office clothing rental or capsule collection rental

**magicmaman maternity**

Pregnancy, maternity and nursing wear rental



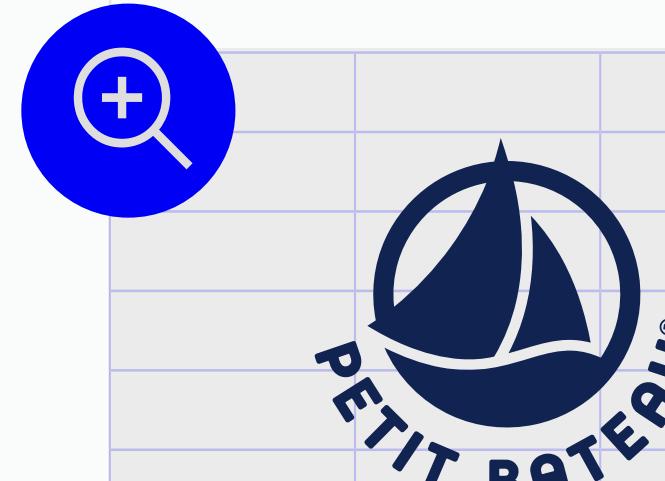
Raising children, baby and children's clothing, or ski/sports clothing rentals

Example of client lifecycle

*«Second-hand is no longer a trend – it's a strategic lever for growth and circular profitability. The key is to rely on historical professional resellers to source coherent assortments at scale.»*

Ihem Jaï, Co-Founder & COO of CrushON

# Zoom on “Reuse” initiatives of first hand players facing challenges on the second hand market



- Since 2017, Petit Bateau has embraced circular fashion, starting with a [resale app](#) and expanding in 2021 with the «Changer (De)main» trade-in program. The initiative has already processed **200,000+ items per year**, with **second-hand sales representing 10% of revenue in stores with resale corners in 2023**.
- After expanding to over **20+ resale corners** in 2023, Petit Bateau ended its in-store second-hand sales in June 2024 and the program has been fully integrated into its [e-commerce site](#), offering both new and pre-owned products in a single shopping cart. The initiative boasts an NPS (Net Promoter Score) of 60+, reinforcing strong customer engagement.
- 75%** of online shopping carts at Petit Bateau contain both new and 2nd hand items, and the brand aims for **one-third** of its volume to come from circularity by 2030.

## Strengths of Petit Bateau's approach

### Circularity Commitment

Petit Bateau successfully integrated second-hand resale into its strategy, aligning with eco-responsibility goals.

### Strong Customer Engagement

The 10% of store revenue from second-hand sales and the NPS of 60+ highlight positive customer reception.

### Expansion

The opening of 22 resale corners and the introduction of second-hand sales on the e-commerce platform was a significant success.

### Brand loyalty

The brand offers the same after-sale services for both new and second-hand products building trust and loyalty.



## 2nd Hand prerequisites highlighted by Petit Bateau's Strategy



### Proper pricing

- Properly differentiating the pricing of second-hand items from new ones is crucial to maintaining **brand desirability**.
- A key lesson here is the importance of aligning prices with operational costs, including cleaning, treatment, and merchandising to **ensure profitability** while **reinforcing the brand's value across both product categories**.



### Differentiated value proposition

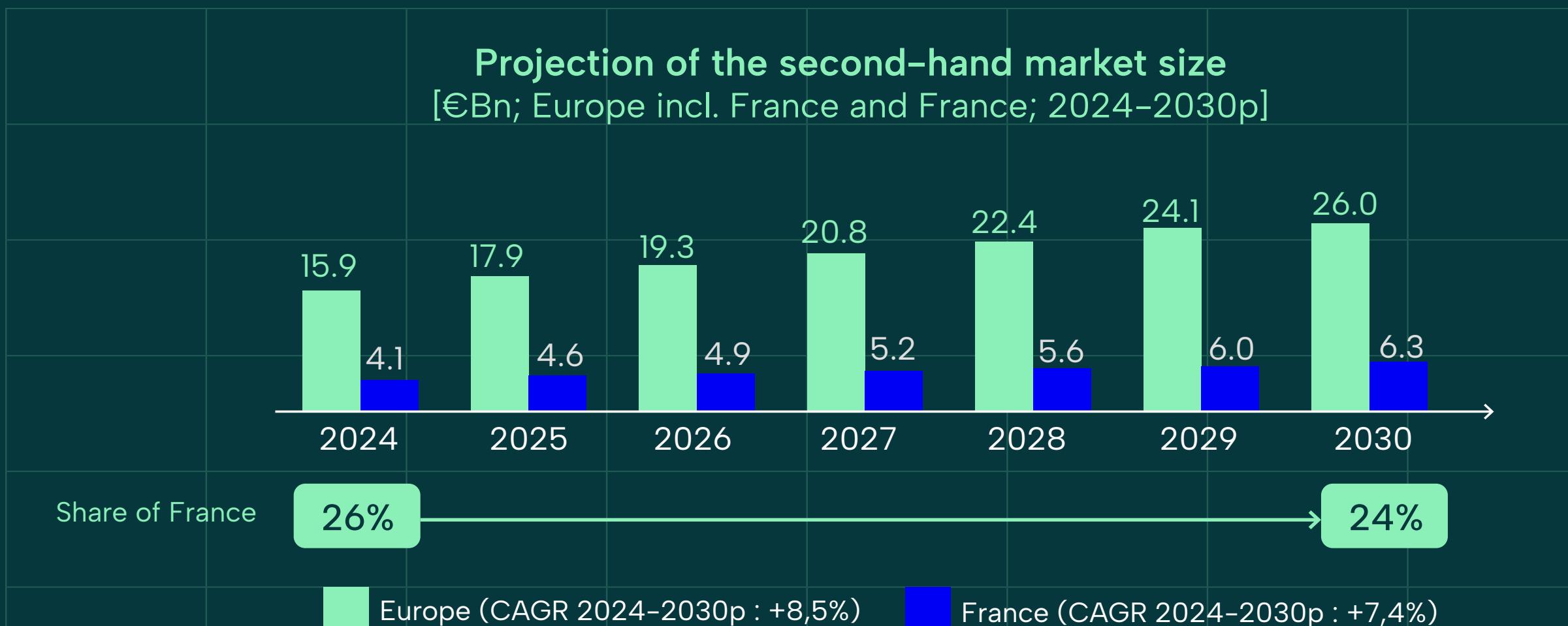
- Integrating new and second-hand items into a **single shopping experience** (same website and card) could diminish the perceived premium value of new products, particularly in a brand like Petit Bateau, known for its **strong permanent collection**.
- This approach could make second-hand items seem like **viable alternatives**, weakening the appeal and exclusivity of new offerings.



### Optimized warehousing

- Managing and storing second-hand stock effectively across multiple stores where secondhand items are collected remains a **logistical challenge**.
- An **efficient warehousing system is essential** to mitigate the risk of operational costs **overwhelming the profitability of second-hand sales**.

# The European second-hand apparel market is expected to reach €26Bn and generate 66+ thousand jobs by 2030



## This sizing has been carried out with the following assumptions:

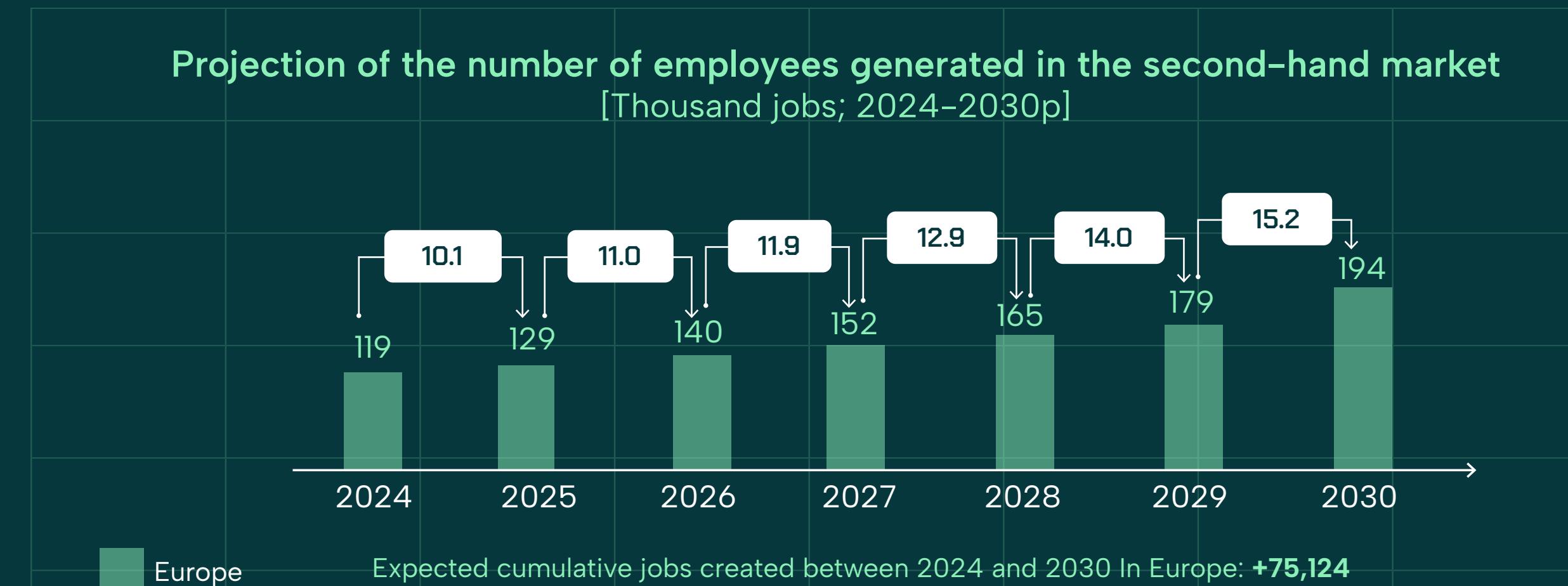
European second-hand market estimated at €15.9Bn in 2024 and expected **CAGR of 8.5%** to 2030.

French second-hand apparel market expected **CAGR of 7.4%** by 2030. The French market is supported by governmental incentives to promote second-hand.

As of 2024, the French apparel second-hand market holds a share of **8%** of the global market, which leads to a share of **26%** when compared to Europe. As of 2030, France will represent **24%** of the European second-hand apparel market.

## Limits of the assumptions:

► The study includes the UK, a mature market with an expected CAGR at ~4%.



## This sizing has been carried out with the following assumptions:

Job creations follow the same growth as the European second-hand apparel market with an expected CAGR at **8.5%**.

Existing jobs in the European second-hand apparel market in 2023 were estimated at **110,000 in the EU27** (150,000 including the UK).

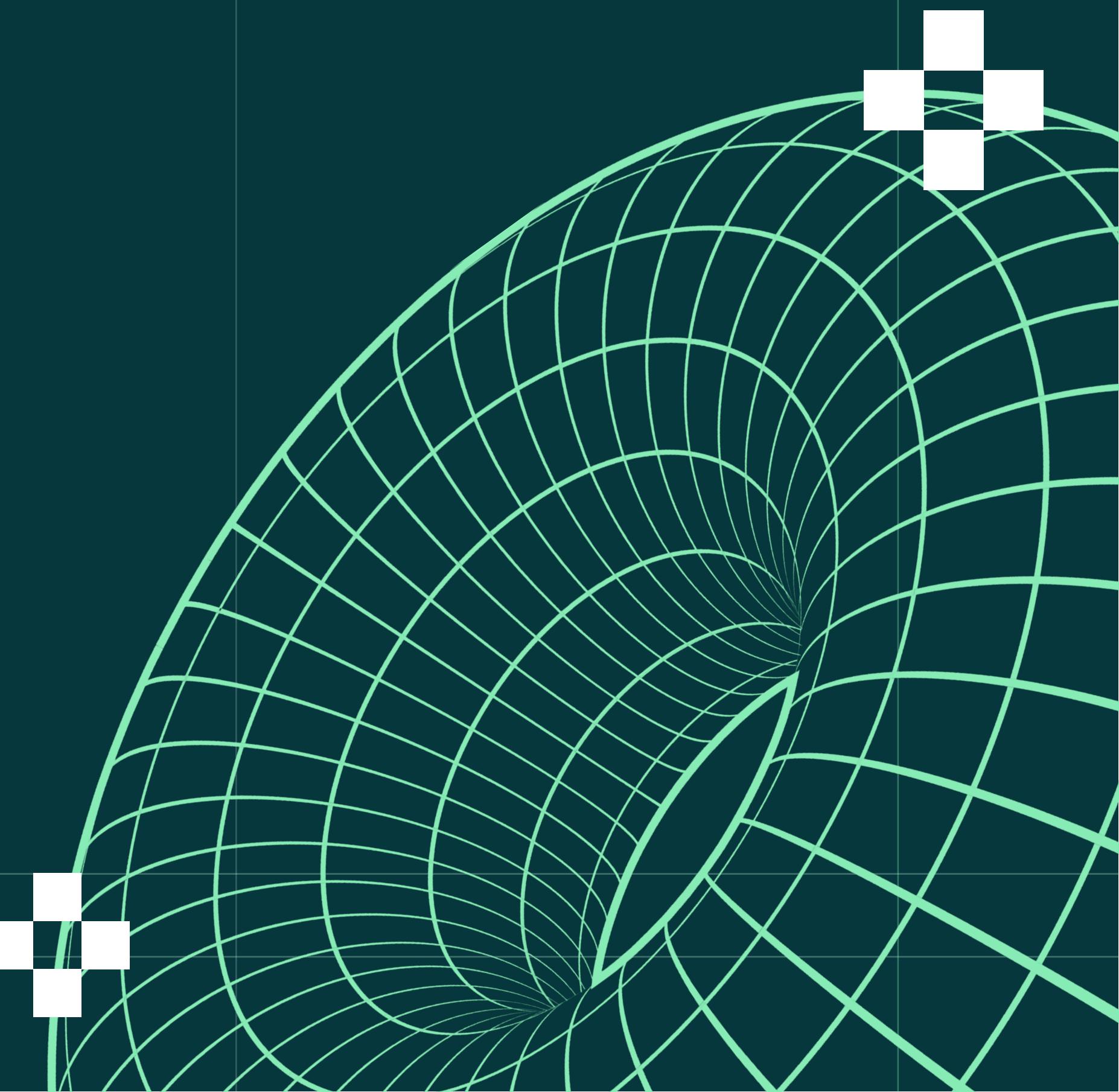
It is estimated that in Europe **19%** of the second-hand revenue comes from online purchases, while **81%** occur offline (ex. Vintage stores).

## Limits of the assumptions:

- The French market was not sized because of the **lack of reliable data**.
- The European apparel rental market was not included due to the lack of data.

## PILLAR 3 Repair

For a longer lasting  
fashion

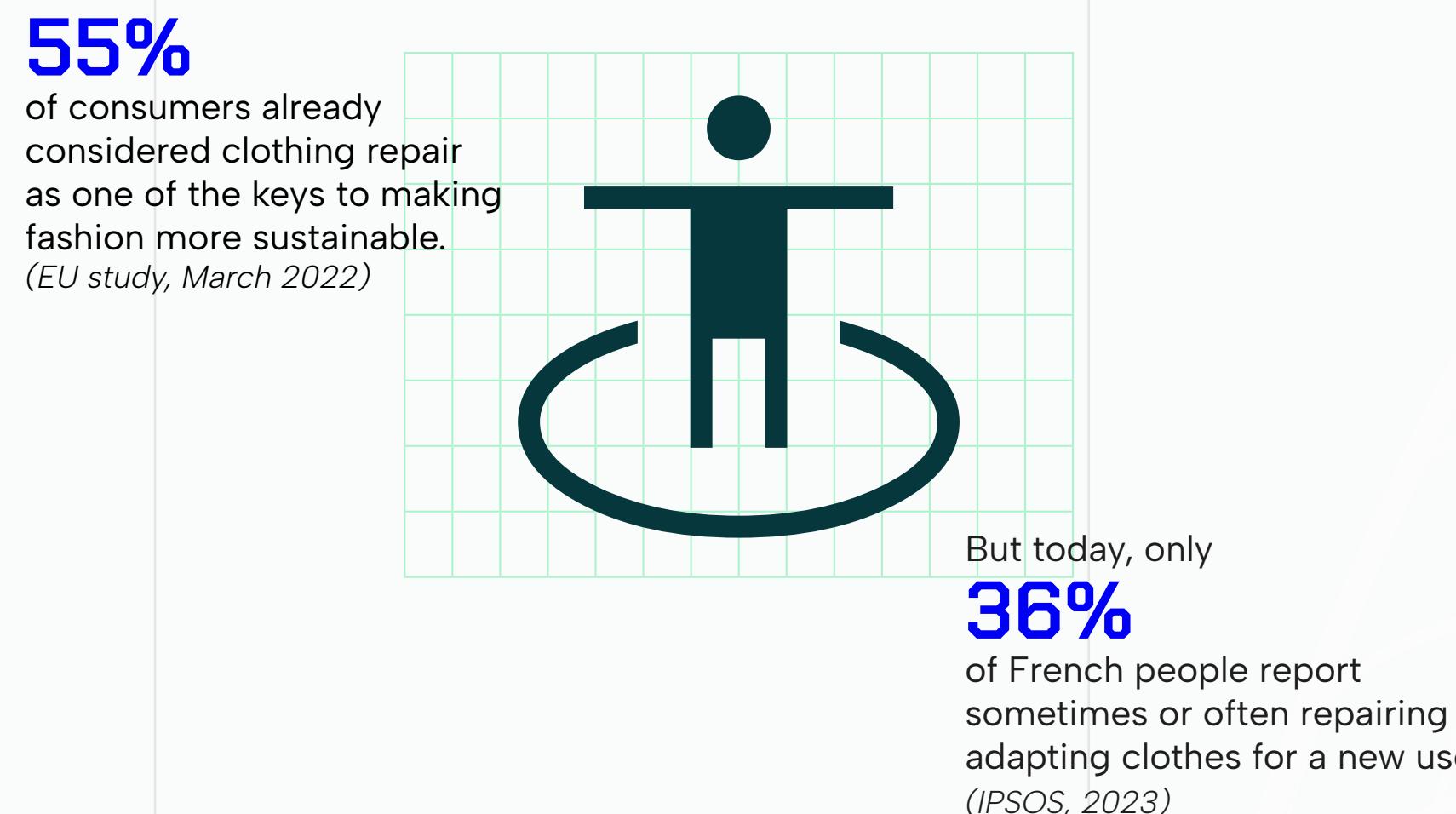


# Repair is a powerful tool that can be used by industry players to further increase an item's lifespan

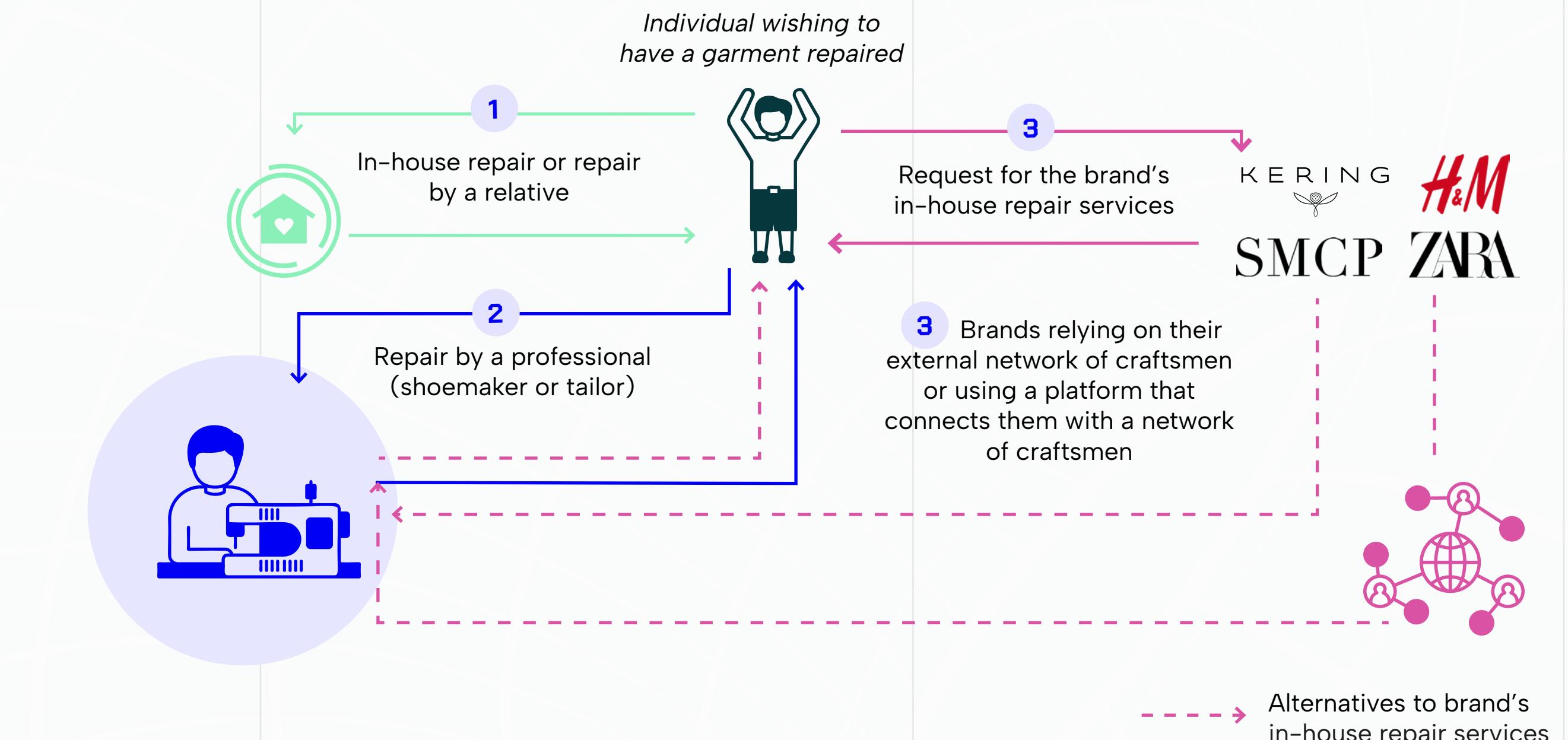
As regulations evolve to limit the environmental impact of fashion, a growing category of consumers are changing their habits and turning towards more sustainable practices. **Repairing garments is emerging as a solution to extend the lifespan of textile pieces and reduce the need for a new purchase.**

Historically based on artisan shoemakers or dressmakers/tailors, **repairs are today increasingly carried out by fashion brands**, mobilizing to meet a growing demand for repair and to improve their image. By setting up **Repair services, through internal capabilities or external partnerships with craftsmen or platforms**, brands also seek to capture the value of a growing market while creating a new ecosystem around repair of clothing items, footwear or leather goods.

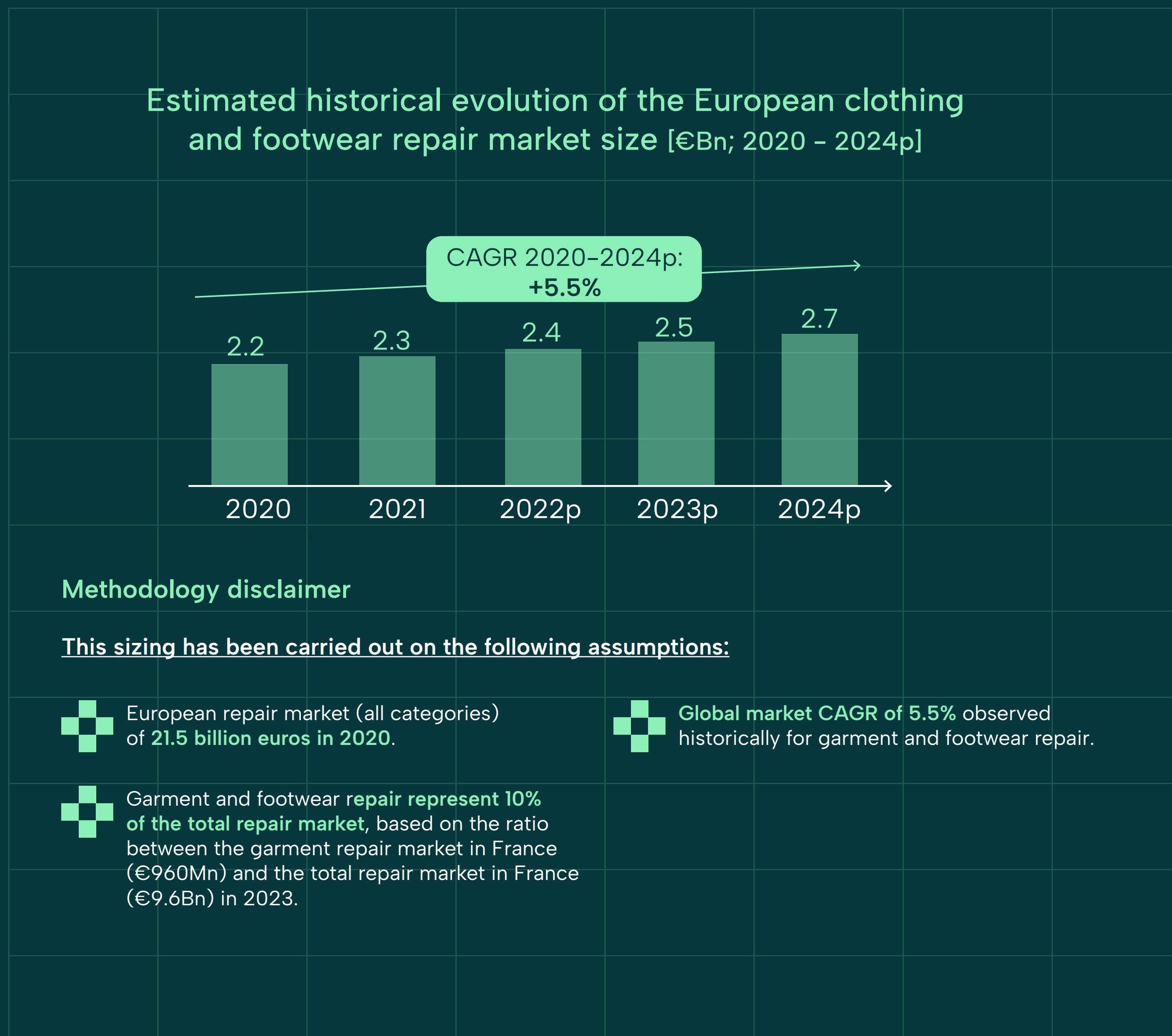
From consumer habits evolving at a slow pace...



...to a changing ecosystem and a diversifying competitive landscape



# Overall, the current market size for the repair of apparel amounts to a total of €2.7Bn globally in 2024



## Zoom on contribution of France and its market drivers

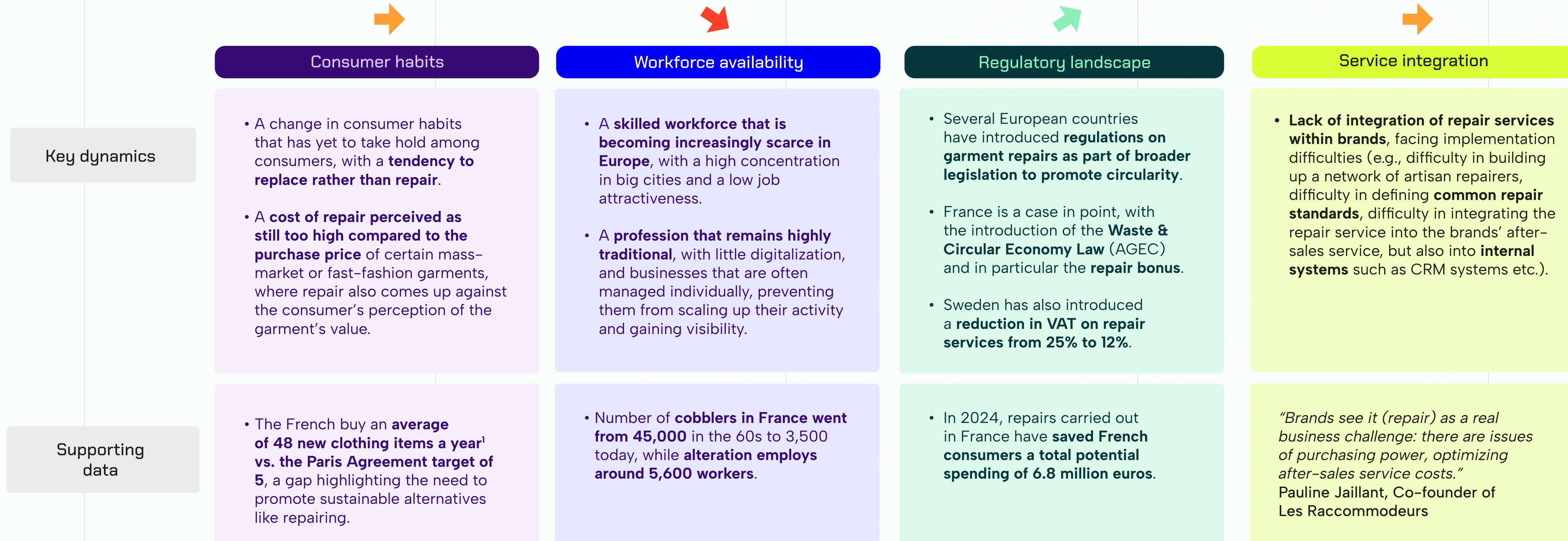
- In 2019, ADEME estimated that **16 million clothing items and shoes were repaired in France**, demonstrating France's major contribution to Europe's share of the global repair market.
- In addition, a **"repair bonus" has been introduced in France** to encourage the repair of textiles and shoes. With a budget of **154 million euros for the period 2023–2028**, this initiative aims to increase the volume of repaired products by 37% by 2028.
- By 2025, the **bonus repair scheme should include 1,500+ repairers**, with many certified repairers having reported a 20 to 30% increase in their revenue, without raising the prices they charge.
- The bonus, which ranges **from 6 to 25 euros for clothing and 7 to 25 euros for shoes**, is applied as a discount at the time of payment. Over the first year of application of this bonus scheme, **an average bonus of 8€ was applied on a total of 826,000 repaired item**.



Best in class country

- The global clothing and footwear repair market mainly comprises **metal clothing repair<sup>1</sup>** with 40% of the total revenue, followed by footwear repair at 35%, and other repair types at 25%, with footwear repair expected to grow the fastest.
- In particular, zipper repairs were **the largest sub-segment**, holding 50% of the metal clothing share, while **sneaker repairs** are dominating the footwear segment.

# The repair market appears to be highly sensitive to consumer habits among various external factors



Notes: (1) by 2022 // Sources: Chambre de Métiers et de l'Artisanat; Institut supérieur des Métiers; Sustainable brand platform; ReFashion; Interviews FMC x KPMG; KPMG Analysis

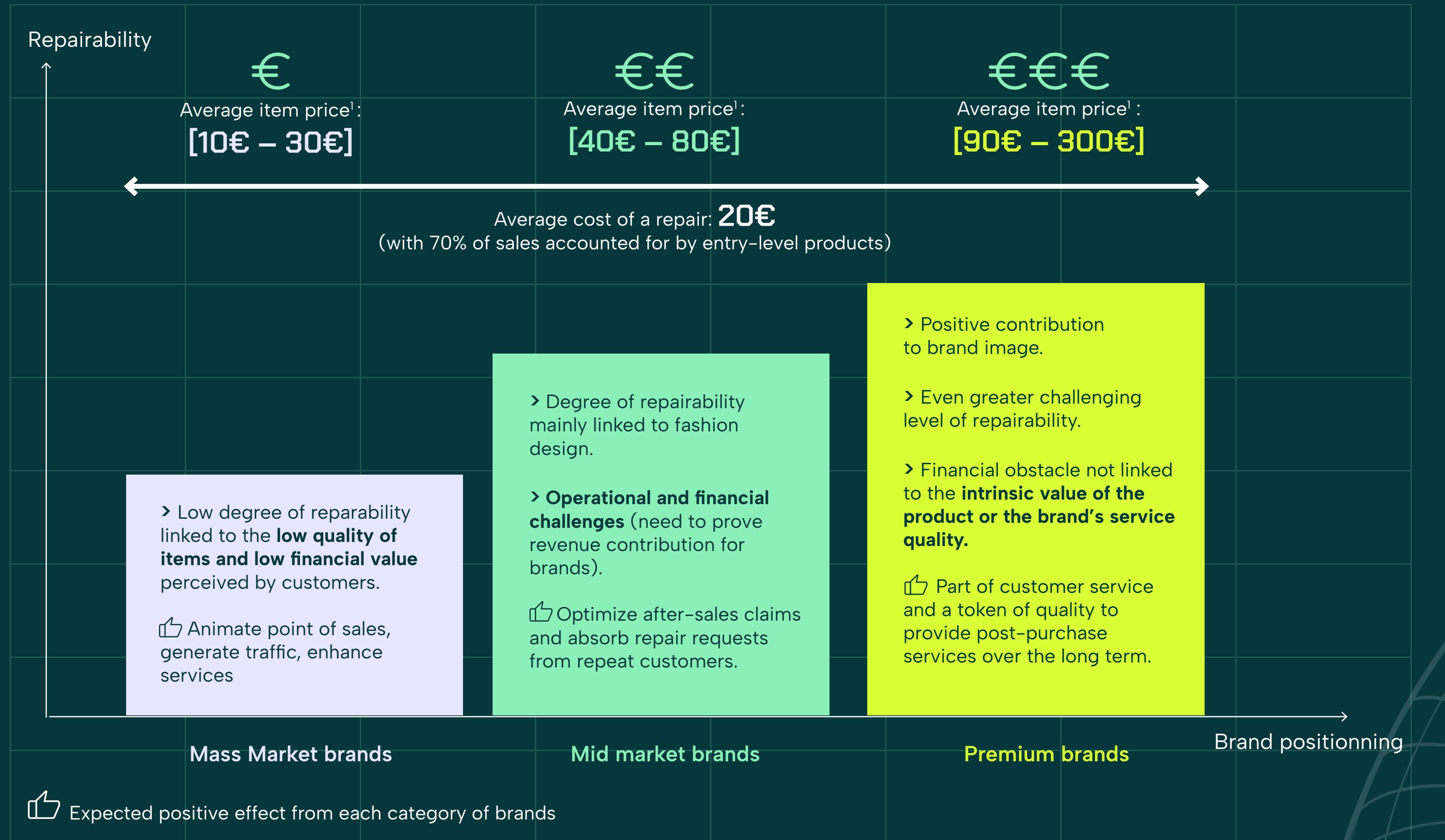
→ Expected driver impact on the market

*The main obstacle to setting up our repair service has not been necessarily the cost. It's the workforce: it has become very difficult to recruit shoemakers from the other side of the world. Whether in France or anywhere else in the world, the business is in decline, also because shoemakers haven't necessarily kept up with market trends and the growing importance of sneakers.*

Daniel Schmitt, Head of repair operations at Veja

# 1st hand manufacturers face financial and operational challenges for integrating repair depending on their positioning

The repair market mainly depends on a key criterion: the gap between the purchase price and the repair price. The level of integration of repair depends on the brands' positioning, among which some might therefore face a bigger operational challenge in integrating Repair-as-a-service:



The luxury sector nevertheless contrasts with this comparison of repair costs with purchase costs, for reasons of product desirability and attachment to intrinsic qualities of materials and high level of design.

*«Today, customers no longer part with their clothes because they are worn out, but because they are emotionally detached from them. This is what we call marketing obsolescence, or even programmed obsolescence. At Kering, an important lever for moving from a linear economy to a circular economy is to increase the extrinsic or emotional durability of products. In particular, this involves making our Houses more desirable, in order to strengthen attachment to our creations.»*

Sophie Bonnier, Head of Sustainability and Circular Economy at Kering

# Focus on “Repair” initiatives: Case Studies of first hand players illustrating the development of repair as a service

Examples of a success story for “Repair” initiatives

Veja's sneakers repair service	
<p><b>Key findings</b></p> <ul style="list-style-type: none"> <li>Many sneakers were returned or discarded, even though they were <b>largely repairable</b>.</li> <li>Repairing them could have a <b>significant environmental impact</b>, while also offering business benefits.</li> <li>The repair of sneakers had <b>not yet been fully mastered</b> by cobblers.</li> </ul>	<p><b>Actions</b></p> <ul style="list-style-type: none"> <li>Launched in 2020, the “<b>Clean, Repair, Collect</b>” project, focuses on collecting worn-out shoes from consumers, repairing them, and reintegrating them into the traditional sales cycle for products with minor defects or reselling them through dedicated second-hand channels.</li> <li>Creation of a <b>repair school</b> to open in <b>September 2025</b>.</li> </ul>
<p><b>Measurable impacts</b></p> <ul style="list-style-type: none"> <li>Number of shoes repaired since 2020: <b>+23,000</b>.</li> <li><b>8 Veja shoe repair centers</b> are active today, mainly in Europe, including one in the United States.</li> <li>In 2025, <b>3 new shoe repair centers planned</b>: one in the United States, one in South America and one in France.</li> </ul>	

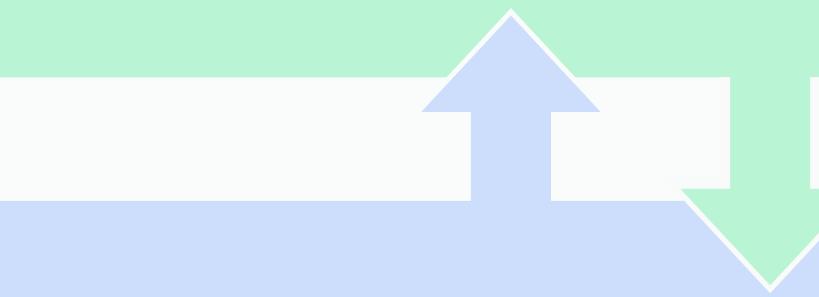
Les Raccommodeurs's Repair-as-a-Service platform for brands		
	<ul style="list-style-type: none"> <li>Les Raccommodeurs is a <b>platform enabling brands to incorporate repair and maintenance into both their after-sales and the pre-sales services</b> (e.g. defective stocks to be repaired at point of sales).</li> <li>Operations can be articulated around <b>3 distinct business cases</b>:</li> </ul>	
	<p><b>Repair as an after-sales service</b></p> <ul style="list-style-type: none"> <li>Objective : Offer <b>repair as an after-sales service</b>, <b>benefit from the repair bonus</b> and offer <b>omnichannel repair services</b>.</li> <li>Configure a repair platform with <b>logistics planning</b> tailored to dispatch the right products to the appropriate craftsmen based on product type and required expertise.</li> </ul>	<p><b>Repair as a centralized platform</b></p> <ul style="list-style-type: none"> <li>Objective : <b>Ensure the garment is repaired by their network of craftsmen</b> and centralize repair regardless of sales channel<sup>(1)</sup>.</li> <li><b>Integrate requests from all channels</b> into a centralized ticketing platform, automating exchanges between end-customers, resellers and craftsmen to enhance team efficiency and reduce existing after-sales service costs.</li> </ul>
		<p><b>Repair for multi-brand retailers</b></p> <ul style="list-style-type: none"> <li>Objective : <b>Enrich retail spaces with circular services</b> (i.e. through in-store repair services to their customers for instance).</li> <li>Les Raccommodeurs <b>provides the tools needed to offer in-store, multi-brand repair services</b> (e.g. diagnosis tool, interface, etc.).</li> </ul>

# Repair opportunities primarily lie in the operational integration of repair services and the enhancement of product reparability

## A two-fold strategy for brands...

### Develop a fully integrated repair service

- **Integrate repair within a broader ecosystem of after-sale care services** contributing to the extension of product lifetimes (e.g. alterations, repair, customization, upcycling).
- **Provide an omnichannel repair solution**, not only limited to boutiques, but also accessible via the online site and even via resellers.
- **Set up a dedicated team** to engage sales, operations and finance teams in priority.
- **Provide in-store sales staff** with the right **narrative and arguments** around circularity and clothing alteration to offer a complete, high-quality service.
- **Establish a partnership** when internalizing the solution is not feasible.



### Contribute to increasing the reparability of its garments

- **Integrate reparability requirements into product specifications** right at the design stage.
- **Limit the use of components** (e.g. buttons, zippers) **that are too diverse or rare**, favoring easily replaceable components and working with suppliers to ensure a continuous supply of these components.
- **Provide support for home-repairs to customers**, encouraging repair rather than discard. For instance, offer repair kits with purchases, including matching threads, spare buttons, and patches, educational resources online (e.g. tutorials and guides).

## ... providing a wide range of positive outcomes

- **Increases data collection on product quality and reparability**, key for production and quality control teams to reduce the proportion of defective products in stock.
- Provides immediate **economic savings** when logistical challenges are overcome: **"1,000 hours of management time saved per year, as well as savings in after-sales costs and a 50% reduction in the time taken to process requests"** for a use case mentioned by Les Raccommodeurs.
- Generates ecological benefits: **"On average, for a garment that is repaired and not replaced, repairing saves 30% in CO2 emissions and extends the product's lifespan by around 70%"** as mentioned by Les Raccommodeurs.
- **Improves customer commitment and loyalty**, by capitalizing on repair as a guarantee of quality and the brand's commitment to the circularity of its products.

*«Today, brands are faced with the challenge of reducing costs to maintain positive margins, operational efficiency and to build customer loyalty. The topic of after-sales and care and repair is a way of generating new revenue, reducing costs while optimizing flows, and continue building customer loyalty.»*

Tanguy Frecon, CEO and co-founder of Prolong

# Integrating repair services at the very start of the customer's purchasing experience can also be leveraged for growth

Garment repair appears to be an increasingly crucial element which positively contributes to the customer experience. When addressed directly by brands, repair can demonstrate a strong commitment to sustainability, offering cost-saving benefits to customer, while enhancing brand positioning.

In this context, a question that arises is:

Why shouldn't repair be addressed right from the start of the customer experience?

How can repair be approached so that it is no longer confined to after-sale care?

«56% of customers who have experienced a failed post-purchase experience, particularly when it comes to repairs, will revert to competition.»

Tanguy Frecon, CEO of Prolong



## Repair as a customer reactivation tool

Today, **repair can serve as a powerful CRM and communication tool**, playing a key role in customers **reactivation when strategically leveraged**.

**Key moments** such as the end of the ski season, the holiday season, or back-to-school transitions **present opportunities to re-engage customers by offering repair or refurbishment services** for ski apparel, evening wear, or sports and hiking gear, reinforcing brand loyalty while maintaining customer relationships.

«Repair is seen as a strategic lever by brands, [...] Today, maintaining the link with the customer after the purchase is the black gold of retail.»

Pauline Jaillant, Co-founder of Les Raccommodeurs



## Repair as a pre-sale lifetime extension

Taking this further, **brands can reposition repair as an upselling strategy to extend a product's lifespan**.

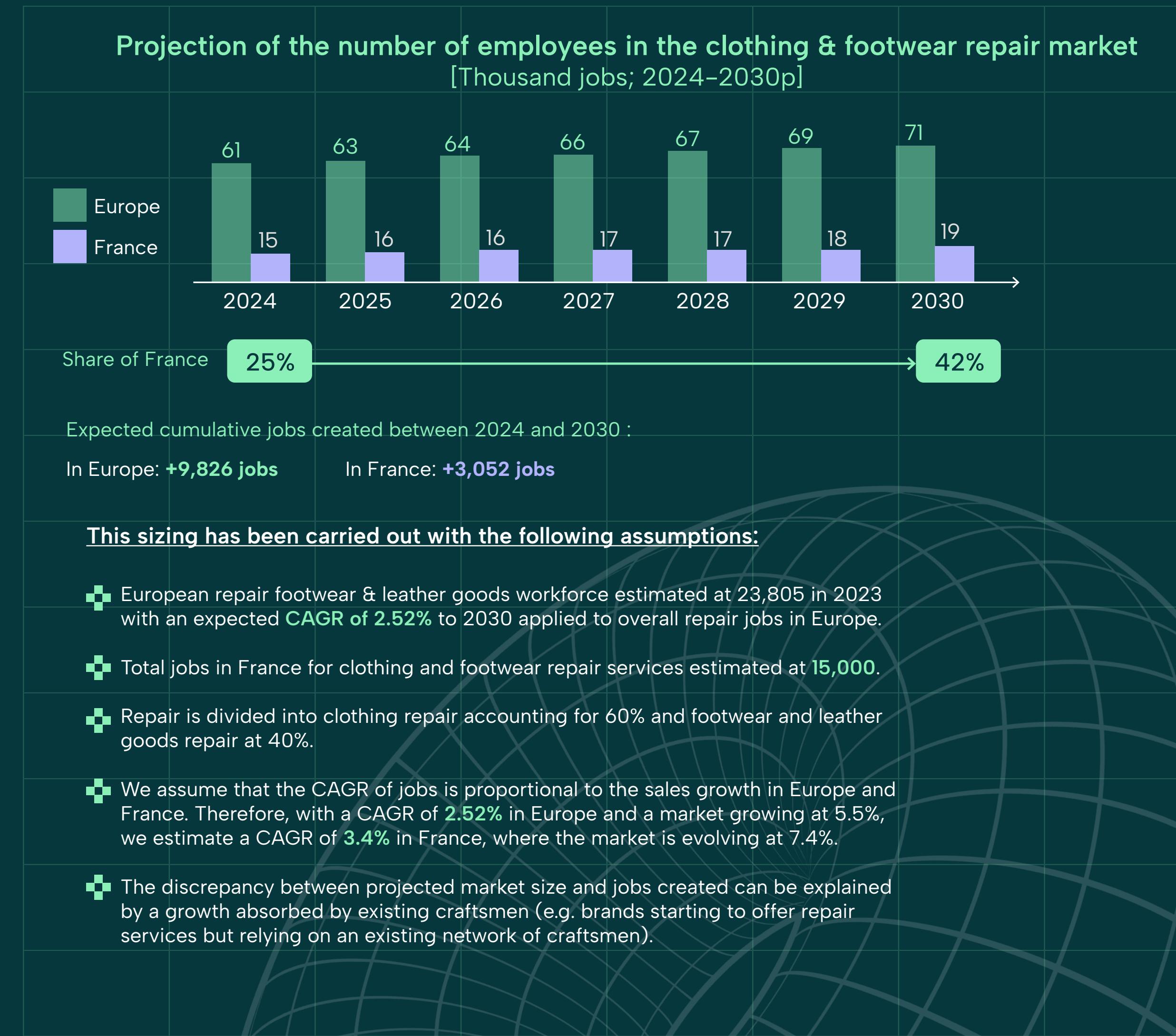
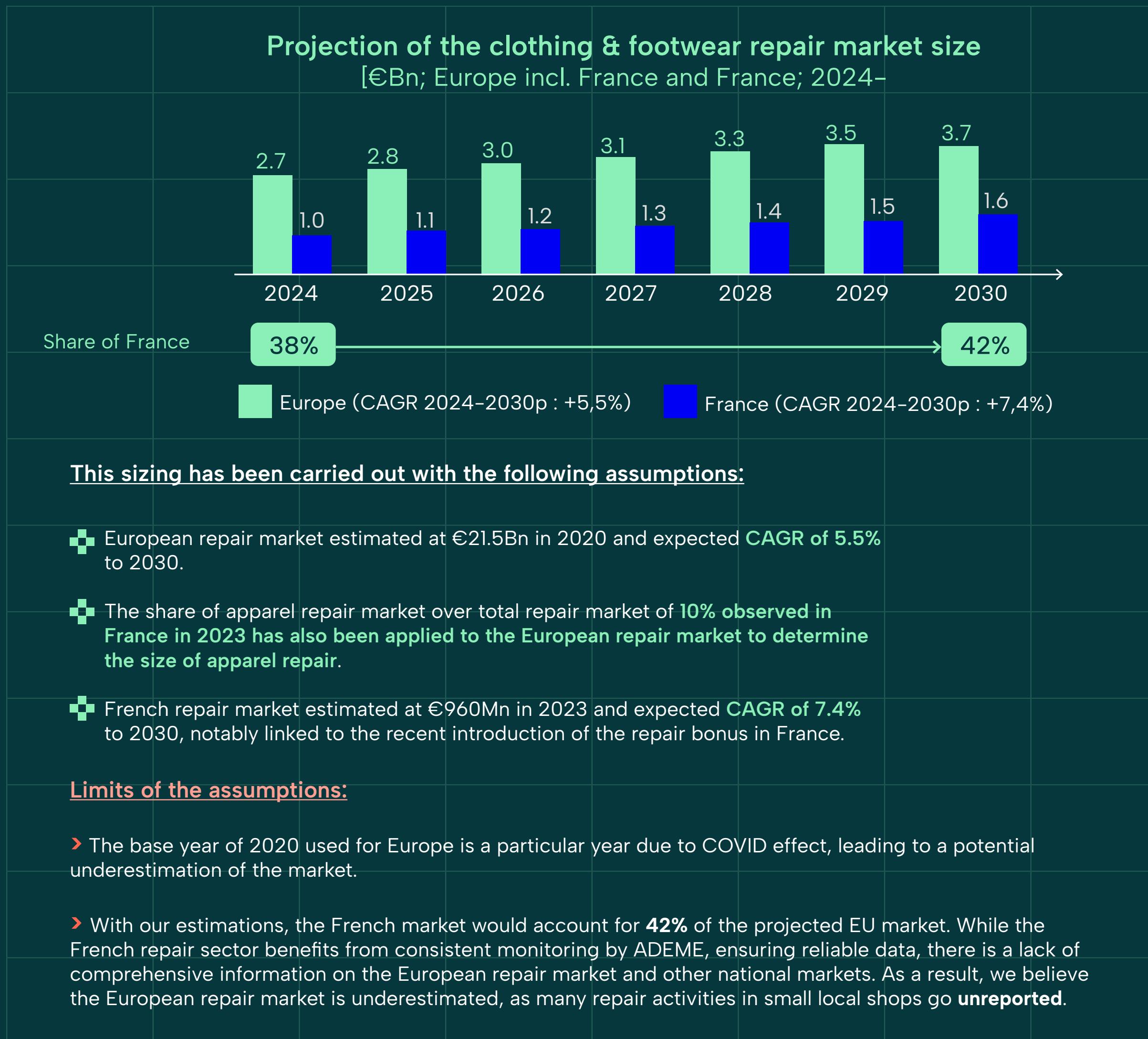
Similarly to what can be observed in the cell phone and household appliance industries, fashion brands could introduce **subscription-based repair programs or lifetime warranties**, integrating repair into the purchasing experience from the outset. This approach not only strengthens consumer trust but also enhances product longevity and circularity.



Subscription of €9.99 per month, covering:

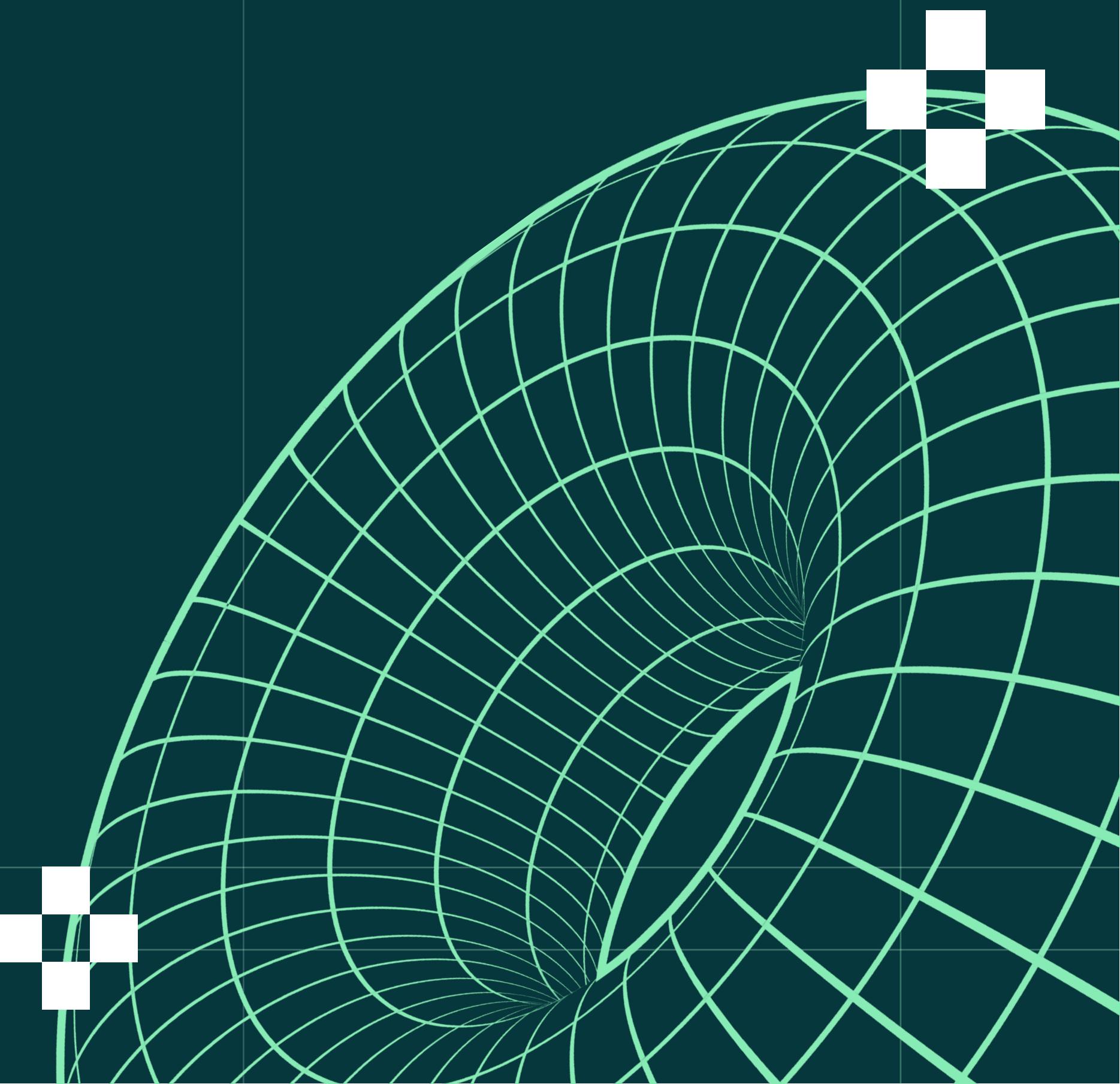
- **Advice** on use and maintenance, home **assistance** for all major household appliances.
- **100% repair coverage** (parts and labor) for a minimum of 7 years and for as long as spare parts are available.
- **Gift card refund** if the product cannot be repaired.

# The European clothing & footwear repair market is expected to reach €3.7Bn and generate over 12,800 jobs in Europe by 2030

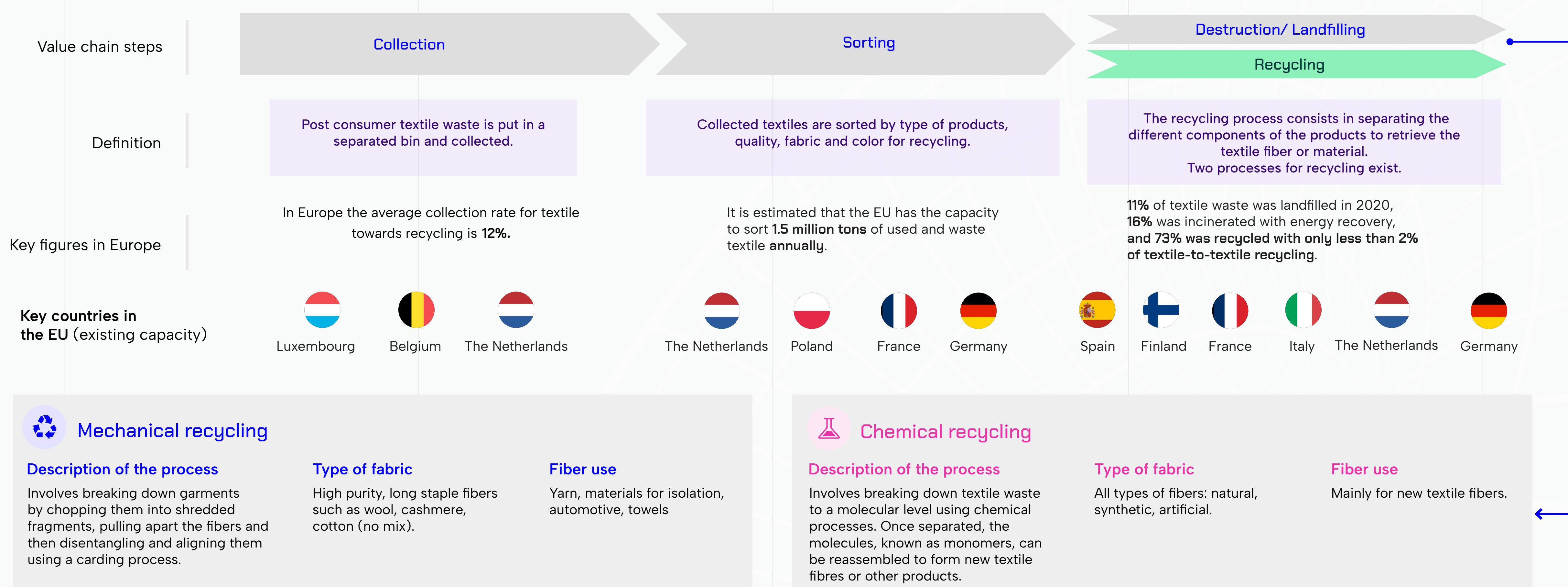


## PILLAR 4 Recycle

Breathe new life  
into the garment



# Textile recycling can be defined as the process of converting used or discarded textiles into new materials or products



Mechanical recycling is a well-established and widely used method for textile recycling. In contrast, it shortens the fibers and makes them more fragile. In contrast, chemical recycling offers greater versatility and the potential to produce higher-quality fibers. However, it remains in the development phase, with technologies yet to be scaled up and currently limited to specific fiber types.

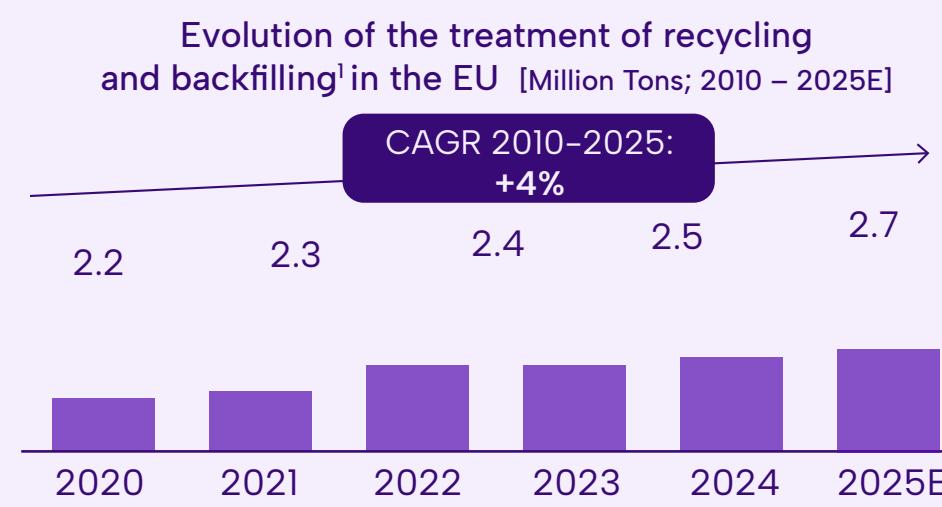
# The gradual increase in recycled textile volumes supports a cautious but positive outlook on recycling's role in the circular fashion economy

## Key dynamics

### Increase in recycled volumes

- The growing regulatory pressure is pushing countries to invest in textile waste treatment infrastructure, as mandatory textile waste sorting has been in force across the EU since 2024. The 2022 European sorting capacity was estimated at 1.5Mt, with volumes sorted and recycled being lower than the existing capacity.
- Consumers are increasingly concerned over textile waste and fast-fashion, therefore pressuring for recycling.
- In the EU, the volume of textile waste treated increased by nearly 40% between 2010 (0.73 Mt) and 2018 (1.22 Mt) since then, recycled volumes have grown at a lower pace.

## Supporting data



Given the limited recycling capacity in Europe, a significant portion of discarded and donated clothing is exported to Africa and Asia where products feed the second-hand markets or is discarded in landfills.

### Regulatory landscape

- Brands are integrating recycled materials into their collections to reach their sustainability goals and at the same time, build stronger relations with environmentally conscious consumers.
- The upcoming EU strategy for sustainable and circular textiles will likely be in favor of design for recyclability and minimum recycled content.

### Workforce availability

- Recycled yarn often comes from small, fragmented supply chains that lack the volume efficiency of virgin material suppliers leading to unfavorable economies of scale.
- Prices of recycled materials may vary significantly depending on feedstock quality and demand making it difficult for brands to forecast and budget reliably.



Prato in Italy is a flagship model of **closed-loop recycling**, capitalizing on its **knowledge** of **mechanical recycling of wool** creating **high-quality** regenerated wool from pre and post-consumer textile waste.

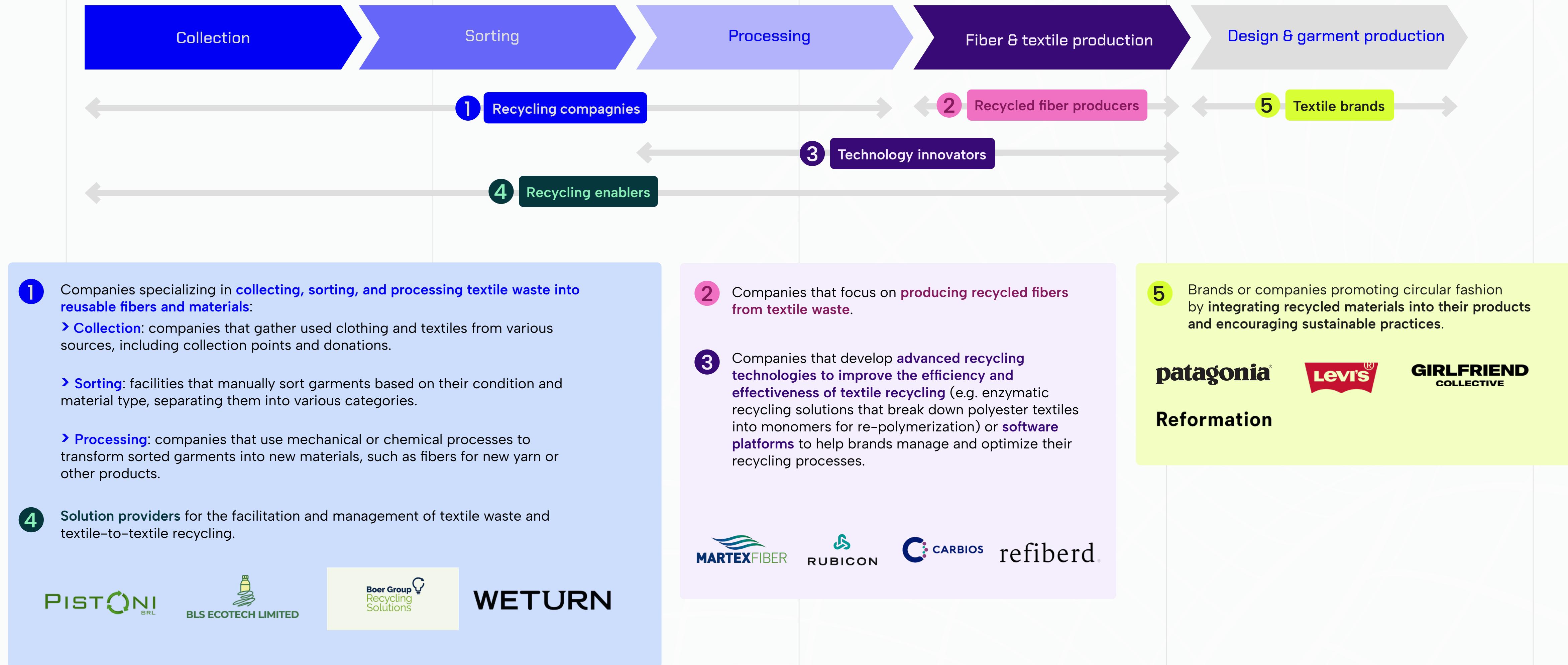


Best in class country



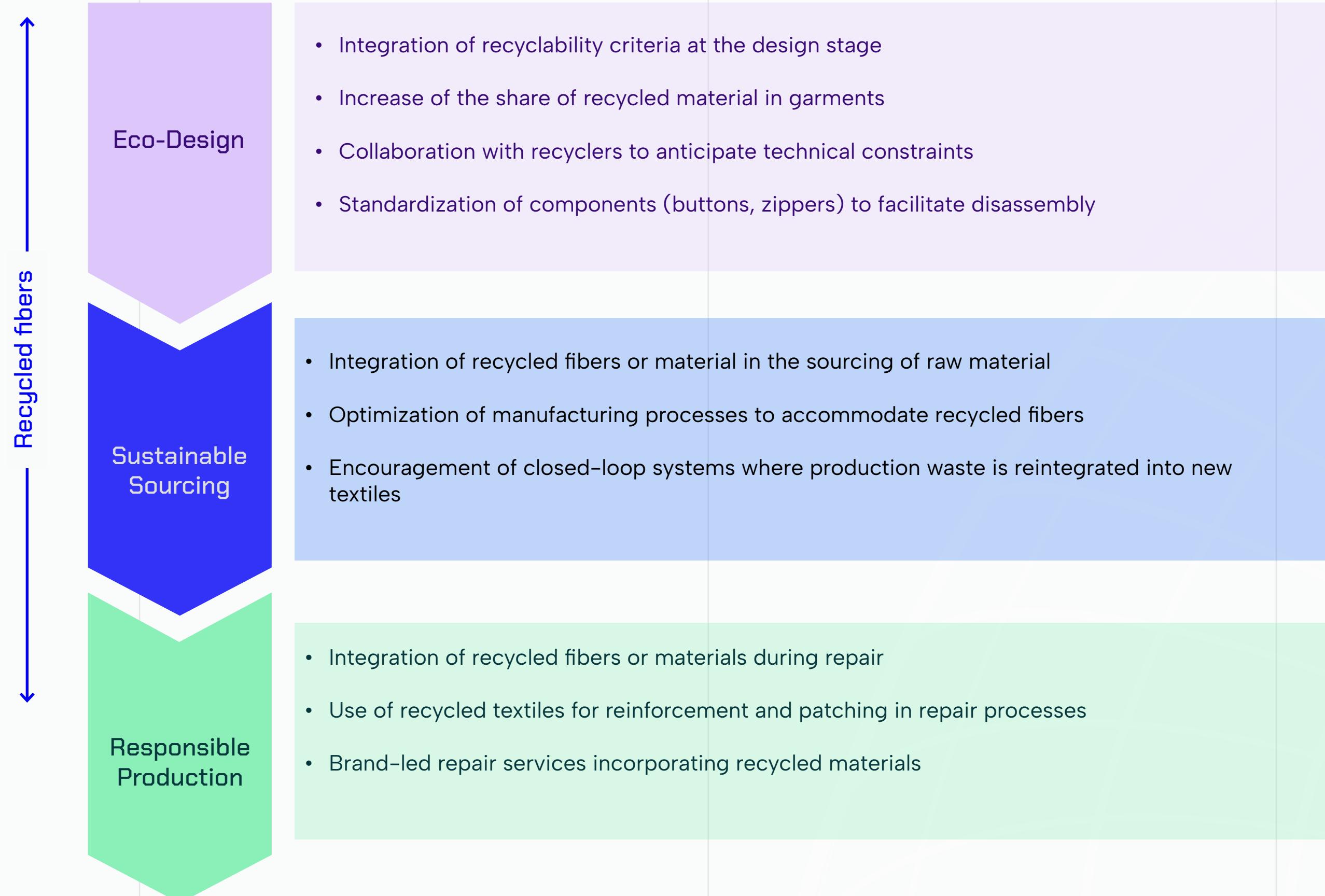
Expected driver impact on the market

# Various players are involved in textile-to-textile recycling, including facilitators who help overcome technical and operational barriers



# Eco-design is the cornerstone to overcoming technical recycling challenges, linking the value chain's up and downstream stages

Integrating recycled material at the different stages of the value chain is possible but involves the challenge of aligning stakeholders' interest



Ecodesign for recycling is a solution to align interest and close the loop

➤ The success of eco-design relies on a **continuous exchange of data** between **designers and recyclers**: recyclers provide insights on fiber recyclability to guide **material choices**, while designers share **constraints**, and **performance needs** to ensure sustainable materials meet **functional and aesthetic requirements**.

➤ Currently, fashion design overlooks **end-of-life considerations**, complicating recycling. Brands must adopt «**design for recycling**» strategies, prioritizing **recyclable fibers** over blended or non-recyclable materials.

➤ A **closed-loop approach**, where recyclers provide data on fiber recyclability and designers share feedback on material performance, **will optimize material selection and garment construction for improved circularity**.

*«It is essential to plan both the beginning and the end of a product from the design phase, taking into account costs and operational flows. The product's entire life cycle must be considered as a whole.»*

Laia Moya Martinez, Head of Clearance Offline – Second Choice – Stock Quality at Veepee



*«I think the discussion on circularity needs to start at the design stage. This discussion is essential for a circular textile chain because the companies that are dealing with the textiles when they become end of life need to be in contact with the manufacturing industry starting with designers to understand recyclability requirements of items for instance but also the potential and desired recycled content.»*

Mariska Boer, President of EuRIC Textiles (Textiles Branch of the European Recycling Industries Confederation EuRIC)

# However, a closed-loop textile recycling system can present challenges and obstacles for brands involved in recycling...

## 1st hand players

### Use of recycled materials

#### Opportunities

- **Environmental Benefits** : helps reduce the environmental impact at the production stage (decreases the need for virgin resources, reduces waste, and lowers greenhouse gas emissions).
- **Consumer Appeal** : Brands using recycled materials can attract eco-conscious consumers increasingly seeking sustainable products and enhance their brand image.
- **Innovation** : Advancements in technology are pushing the creation of quality textiles from recycled materials (e.g. enzymatic recycling).

#### Challenges

- **Quality and Performance** : Ensuring that recycled materials meet the same quality and performance standards as virgin materials can be challenging.
- **Supply Chain Complexity** : Integrating recycled materials into a supply chain requires coordination with suppliers and manufacturers, and might lead to supplier dependency.
- **Consumer Perception** : Some consumers may perceive recycled materials as inferior to virgin materials, which can affect their purchasing decisions.
- **Limited Availability** : The availability of high-quality recycled materials can be limited, especially for specific types of textiles.

#### Solutions

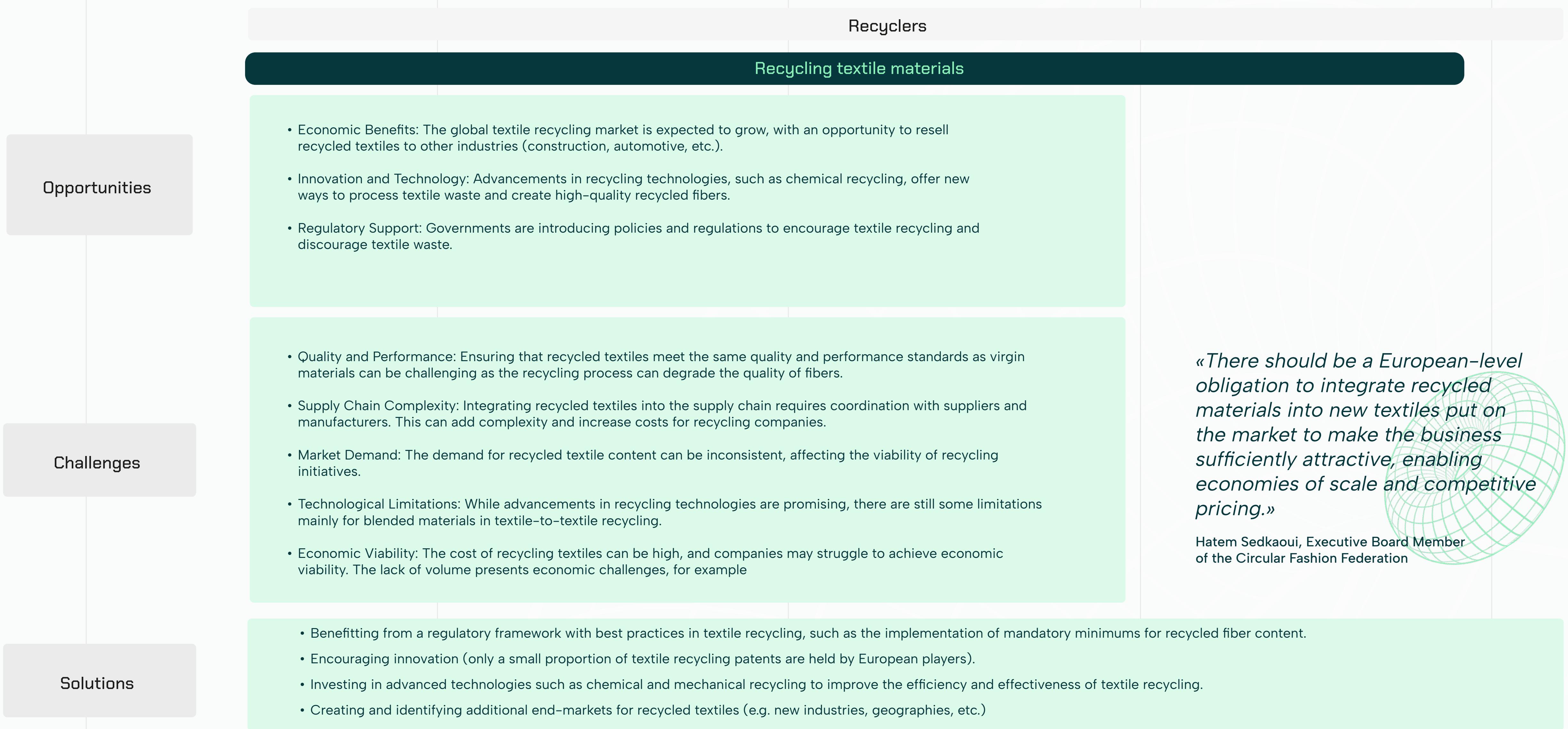
- Promoting design for recyclability and leveraging design to enhance the use of recycled materials.
- Collaborating with recycling companies.
- Implementing a regulatory framework with best practices in textile recycling, such as the implementation of mandatory minimums for recycled fiber content.

### Integration of recycling

- **Brand Differentiation** : Brands that integrate recycling capabilities can differentiate themselves in the market by showcasing their commitment to sustainability.
- **Regulatory Compliance** : Integrating recycling capabilities can help brands comply with increasingly stringent environmental regulations and potentially anticipate them.
- **Environmental impact** : Recycling capabilities enable brands to participate in the circular economy, reducing waste and promoting the reuse of materials.
- **Cost Reduction** : Recycling can reduce waste disposal costs and create new revenue streams from recycled materials.
- **Vertical integration strategy** : Fashion groups are increasingly investing in recycling infrastructure to secure access to high-quality recycled materials, reduce supply chain dependency and support long-term circular ambitions.

- **Infrastructure Investment** : Setting up recycling capabilities requires significant investment in infrastructure and technology.
- **Operational Complexity** : Managing recycling processes can add complexity to operations, requiring specialized knowledge and resources.
- **Creative challenge** : adapting design in line with recyclability challenges with intrinsic limitations of fashion can create a conflict between creativity and recyclability.
- **Market Demand** : The demand for recycled textile content can be inconsistent, affecting the viability of recycling initiatives.

# ...as well as for recycling companies active in the textile recycling industry



*«There should be a European-level obligation to integrate recycled materials into new textiles put on the market to make the business sufficiently attractive, enabling economies of scale and competitive pricing.»*

Hatem Sedkaoui, Executive Board Member of the Circular Fashion Federation



# Beyond textile-to-textile use, recycling can also serve other industries, presenting major opportunities for recyclers



**DECATHLON**

## Decathlon has integrated recycled cotton in its manufacturing in a textile-to-textile approach

- For a few years now, Decathlon has improved its cotton sourcing. The brand sources cotton from **biological agriculture, cotton certified Better Coton Initiative and recycled cotton**.

### Sources of recycled cotton

#### Production off-cuts

Integration of Decathlon's own production off-cuts to create recycled yarns

- Reduction of the use of virgin resources and raw materials.
- Optimization of flows of materials.
- Optimisation of waste management and reduction of production waste.

#### Advantages

#### Post consumer

Integration of recycled fibres from end-of-life cotton waste

- Reduction of environmental impacts:** reduction of transportation, use of raw materials, water and chemical.

#### Drawbacks

- Potential change in aspects:** Visual aspect and physical touch can sometimes be different from conventional cotton.

- Continuance dependence on Virgin Cotton:** proportion of recycled cotton in textiles capped at 30%.

**14%**

Reduction of CO2 emissions linked to the production of yarn by using recycled cotton instead of virgin cotton.

**LE RELAIS**



## Le Relais<sup>1</sup> provides recycled cotton to the construction sector in an «textile-to-other industries» approach

- In 2007, Le Relais launched MetisseR, a range of **thermal and acoustic insulation products for the building industry**. **Textiles that cannot be re-used** are defibred, and processed to make high-quality, high-performance **insulation wools**.

- MetisseR insulation product is composed of 85% recycled jeans and 15% polyester.

### Business Opportunities of this Open-Loop Approach

- Reduced environmental impact**  
The lifecycle of textile waste can be extended. The insulation of a building lasts between **20 to 30 years**.

- Performance stability**  
The quality of recycled textiles does not affect their thermal and acoustic efficiency. Non-reusable, and low-quality fibers that cannot be reintegrated into a textile-to-textile process are the perfect fit for this process.

- Strong Market Demand**  
The construction industry has a high demand for insulation materials linked to **regulatory support and available incentives**. In Europe, existing energy standards, such as the Energy Performance of Building Directive, depend on the quality and availability of insulation products. French regulations promote building renovation and insulation, with public subsidies available (e.g. MaPrimeRenov').

### Prerequisite for the profitability of the business model

- The key success factor of volumes**

A prerequisite to the profitability of this business model is **volumes** because the margin is lower than a textile-to-textile approach.

x 3,29

Le Relay Métisse estimated recycled cotton fiber price

6,40€/kg

Recycled cotton fiber price for textile

21€/kg

### Beyond the building sector

Other industries serve as outputs for recycled textiles (e.g. automotive, furniture, etc).

# Despite not currently reaching its full potential, the European recycling sector is pushed by several regulatory incentives...

## Overview of the expected evolution of the European regulatory framework around textile recycling

### The REACH Regulation [2007]

This regulation, regularly updated, restricts the use of a set of **dangerous substances** to human health and the environment. Forbidden substances may be found in clothes at recycling facilities, which restricts the recycling processes. Recyclers will need to obtain authorization for these substances.

### The Textile Labelling Regulation [2011]

This regulation ensures clear and **standardized fibre composition labelling in the EU**. It regulates textile fibre names, labelling requirements, multi-fibre product disclosures, and non-textile parts of animal origin to enhance consumer transparency.

### The EU Ecolabel for textile products [2014]

This label certifies **eco-friendly products** by promoting sustainable fibers, low-impact production, chemical restrictions, and durability, **guiding consumers toward greener choices**.

### Strategy for Sustainable and Circular Textiles [2022]

This strategy **mandates durable, repairable, and recyclable textiles** through design standards, a Digital Product Passport, and Extended Producer Responsibility (EPR), making producers accountable for waste management.

### EU right-to-repair legislation [2024 - applicable by 2026]

This legislation **enforces repair obligations, bans repair restrictions, ensures spare part availability, and mandates consumer transparency** to extend product lifecycles and reduce waste, supporting the circular economy.

### Ecodesign for sustainable products regulation (ESPR) [2024]<sup>1</sup>

This regulation sets **lifecycle standards for sustainability, recyclability, and durability**, requiring manufacturers, importers, and retailers to comply with **strict environmental performance criteria**.

### Digital product passport [2024 - applicable by 2030]

This standard improves **product transparency**, offering key details like materials and disposal guidelines. **It supports open data, enhancing sustainability and industry collaboration**.

### Extended producer responsibility rules [broad adoption expected by 2025]

These rules oblige large companies to **publicly disclose discarded or destroyed garments**. This will be reinforced by the 2023 waste framework directive.

### Waste Framework Directive [2020 – revised in 2025]

The European council and European Parliament reached a provisional agreement to enhance collection, sorting, reuse and recycling. It **requires separate textile collection** to support circularity.

### EU Waste shipments regulation [2024 - applicable by 2026]

This regulation **strengthens waste export rules, mandates digital tracking, bans plastic waste exports to non-OECD countries** (2026).

# ... presenting both challenges and opportunities for the textile recycling industry (1/3)

## Snapshot of potential challenges and opportunities tied to forthcoming EU regulatory initiatives

	Challenges	Opportunities
The REACH Regulation (2007)	<ul style="list-style-type: none"> <li>➤ <b>Increased regulatory and administrative burden:</b> Since the textiles entering recycling streams today were often manufactured years ago, they may contain substances currently restricted or banned under the REACH regulation. As a result, textile recyclers must assess the chemical composition of incoming materials and, if these substances are present, apply for specific authorizations or exemptions.</li> <li>➤ <b>Restricted access to certain markets</b> due to the presence of chemicals.</li> <li>➤ <b>Increased process costs</b> to process the substances limiting the viability of textile-to-textile recycling initiatives.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Limiting the quantity on dangerous substances put on the market.</li> <li>➤ Increasing the health of workers along the value chain.</li> </ul>
The Textile Labelling Regulation (2011)	<ul style="list-style-type: none"> <li>➤ <b>Increased operational costs:</b> missing or inaccurate information on garments could require investment in material analysis and training at the recycling stage.</li> <li>➤ <b>Increased risk of non-compliance:</b> without reliable access to composition data, companies risk processing non-compliant garments, leading to legal or market restrictions.</li> <li>➤ <b>Increased competitiveness on recycled fibers:</b> the rise of labels focused on durability and sustainability could increase the number of players in the market.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Improving the identification of reusable and recyclable textiles, leading to reduced landfilling and destruction.</li> <li>➤ Accelerating sorting recycling processes by fast identification of composition.</li> </ul>
The EU Ecolabel for textile products (2014)	<ul style="list-style-type: none"> <li>➤ <b>Increased pressure on sorting accuracy</b> and pre-processing methods to ensure consistent, high-quality outputs.</li> <li>➤ <b>Required dual systems</b> to handle both legacy and eco-designed textiles during the transition period.v</li> <li>➤ <b>Increased upfront investments</b> to scale up infrastructure and technology.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Delivering cleaner, more homogenous outputs.</li> <li>➤ Fostering collaboration to ensure closed-loop system.</li> </ul>
Strategy for Sustainable and Circular Textiles (2022)		

# ... presenting both challenges and opportunities for the textile recycling industry (2/3)

## Snapshot of potential challenges and opportunities tied to forthcoming EU regulatory initiatives

	Challenges	Opportunities
EU right-to-repair legislation (2024 - applicable by 2026)	<ul style="list-style-type: none"> <li>➤ <b>Diversified business</b> models by transitioning from traditional recycling to reuse, refurbishment, or resale services, as longer product lifespans may reduce material volumes.</li> <li>➤ <b>Complexified operations</b> as repaired items may be more difficult to sort or recycle due to mixed conditions or alterations.</li> </ul>	<ul style="list-style-type: none"> <li>➤ <b>Integrating recycled fibers</b> into repaired items leading to new revenue stream.</li> <li>➤ <b>Unlocking funding</b> by participating in repair system and closed-loop models.</li> </ul>
Ecodesign for sustainable products regulation (ESPR) (2024) <sup>1</sup>	<ul style="list-style-type: none"> <li>➤ <b>Required dual systems</b> to handle both legacy and eco-designed textiles during the transition period.</li> </ul>	<ul style="list-style-type: none"> <li>➤ <b>Increasing partnerships</b> between designers and recyclers to simplify garment processing.</li> <li>➤ <b>Increasing available data</b> to improve textile end-of-life.</li> <li>➤ <b>Promoting eco-design</b> for recyclability and reducing operational costs.</li> </ul>
Digital product passport (2024 -applicable by 2030)	<ul style="list-style-type: none"> <li>➤ <b>Upgraded technology:</b> industrial will have to adapt and integrate DPPs into their processes which require new technologies, specific training.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Simplifying sorting, repair and recycling processes.</li> <li>➤ Securing the upstream supply chain by ensuring <b>end-to-end traceability</b>.</li> </ul>
Extended producer responsibility rules (broad adoption expected by 2025)	<ul style="list-style-type: none"> <li>➤ <b>Increased administrative and reporting burden</b> to track and report the data on processed and destroyed textiles to the producers.</li> <li>➤ <b>Heightened pressure from stakeholders and producers</b> to reduce the percentage of garments discarded and boost recycling efforts.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Increasing <b>financial support</b> to recyclers.</li> <li>➤ Strengthening partnerships between producers and recyclers.</li> <li>➤ Improving material quality and supply as producers are required to design products with recyclability in mind.</li> </ul>

# ... presenting both challenges and opportunities for the textile recycling industry (3/3)

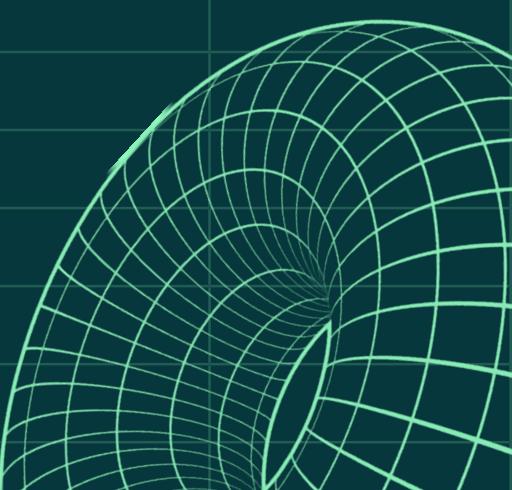
## Snapshot of potential challenges and opportunities tied to forthcoming EU regulatory initiatives

	Challenges	Opportunities
Waste Framework Directive (2020 – revised in 2025)	<ul style="list-style-type: none"> <li>➤ <b>Increased pressure</b> from stakeholders and municipalities on recyclers to meet the targets.</li> <li>➤ <b>Required upfront investments</b> to scale up .</li> <li>➤ <b>Increased compliance and reporting</b> to track material flows and recycling rates, adding to administrative workloads.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Providing recyclers with <b>financial incentives and growing attention</b>.</li> <li>➤ Creating a <b>larger market for recycling textile</b>.</li> <li>➤ Simplifying sorting by separating textile from typical waste .</li> <li>➤ Boosting recycled volumes by restraining landfilling</li> </ul>
EU Waste shipments regulation (2024 - applicable by 2026)	<ul style="list-style-type: none"> <li>➤ <b>Increased compliance and operational costs</b> due to stringent requirements for exporting textile waste, including certification and transport arrangements for non-EU shipments, could deter recyclers from recycling textiles.</li> <li>➤ <b>Raised administrative burden</b>, leading to more complex and time-consuming processes.</li> <li>➤ <b>Hindered the global recycling market as increased export controls</b> to non-OECD countries, where recycling infrastructures are being developed to process EU textile waste, could reduce income in those countries and block access to markets with high demand for recycled materials.</li> <li>➤ <b>Disrupted established recycling networks</b> between countries, potentially resulting in higher costs and delays.</li> </ul>	<ul style="list-style-type: none"> <li>➤ <b>Expanding the textile recycling market</b> within the European Union.</li> <li>➤ <b>Legitimizing export channels</b> by establishing long-term partnerships with buyers seeking high-quality recycled textile.</li> <li>➤ <b>Boosting innovation</b> and collaboration between member states.</li> <li>➤ Increasing traceability.</li> </ul>

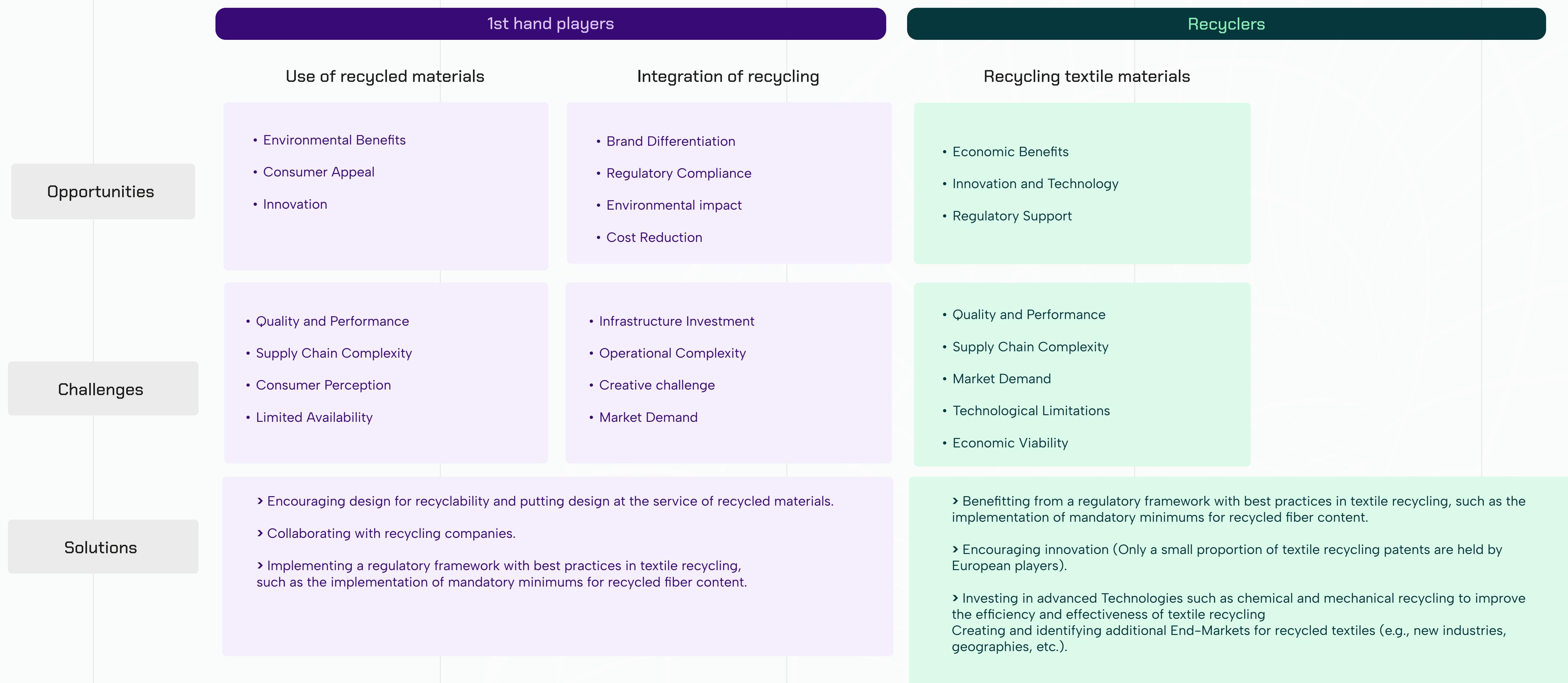
Sources: European commission, European union data, Euric, EFTA Surveillance Authority, KPMG Analysis

«Without textiles, there is no fashion. But textile manufacturing is highly polluting and there is an urgent need to make it sustainable. The industry and EU policymakers must work together on harmonizing different national rules to turn Europe's catwalks green.»

Pernille Weiss, MEP from Danemark



# Textile-to-textile recycling can present challenges for brands involved in recycling as well as for recycling companies



# The future of textile recycling thus relies on a set of prerequisites allowing the industry to structure and scale up

## Introducing a clear and dissuasive regulatory framework

- › Establish **regulations with clearly defined collection and recycling targets**.
- › Ensure that regulations introduce **dissuasive sanctions in the event of non-compliance with set targets**.
- › **Expected benefit**  
Strengthens the impact of textile recycling initiatives while allowing brands to **implement a truly sustainable long-term circularity strategy**.

## Lifting technological barriers

- › **Develop innovative technologies** that enable a better understanding of the recycling phase, **allowing materials to be handled at a competitive price and with limited environmental impact** (e.g., technologies that improve the sorting or recognition of textile fibers, particularly when they are blended).
- › **Expected benefit**  
Optimized sorting of products for a qualitative recycling, no matter the application.

## Establishing a more collaborative industry organization

- › Work towards **more collaboration between brands and downstream players** mainly on improving **designs for recycling**.
- › Increase industry efforts to **improve communication on recycling and integrate consumer's point of view**.
- › Introduce **circular KPIs** to better measure, track and act on the sectors impact (e.g. the Circular Transition Indicator – CTI).
- › **Expected benefit**  
A more efficient value chain which will benefit consumers.

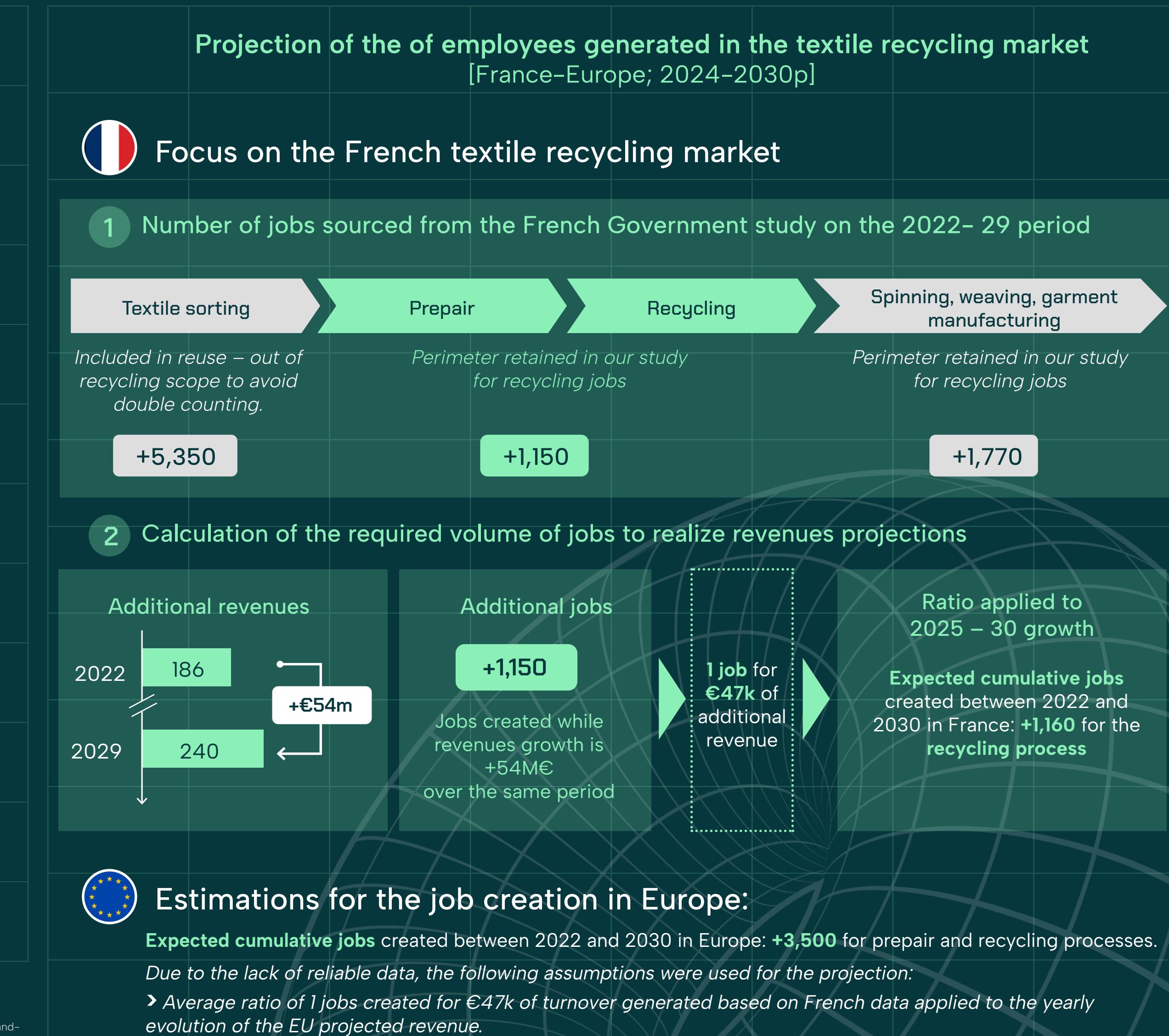
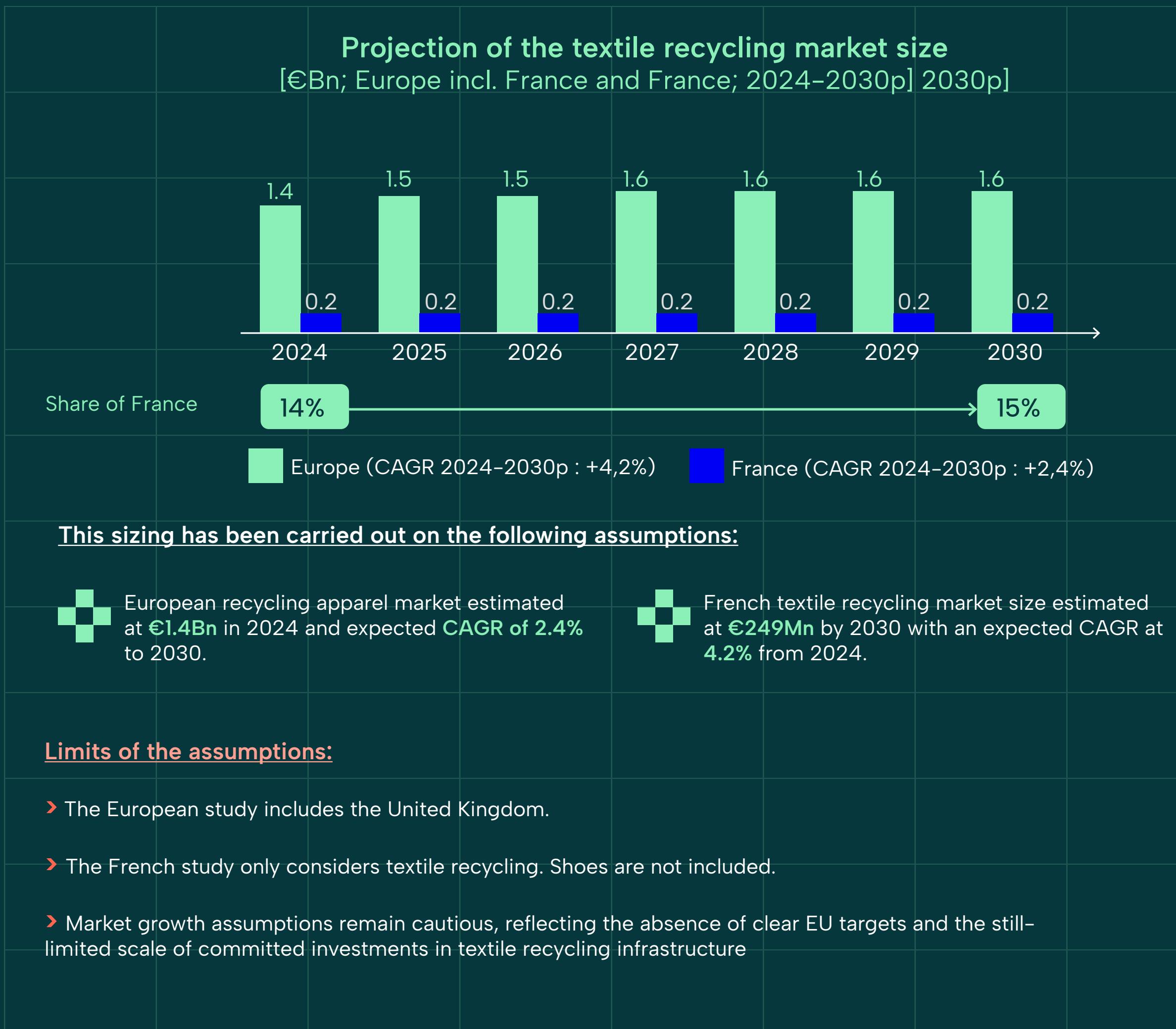
*«We will not be able to move forward in a structured and coherent manner on these textile circularity issues without having removed the technological barrier of automated sorting for recycling.»*

Stephan Arino, Vice-President Public Affairs Western Europe at TOMRA

*«If producers/brands have to put recycled content from post-consumer textiles into their new garments, then you are creating a business model for recyclers. That business model is lacking at the moment. Not because technology is well developed, it is just not upscaled. So, it is not as cost efficient as it potentially could be.»*

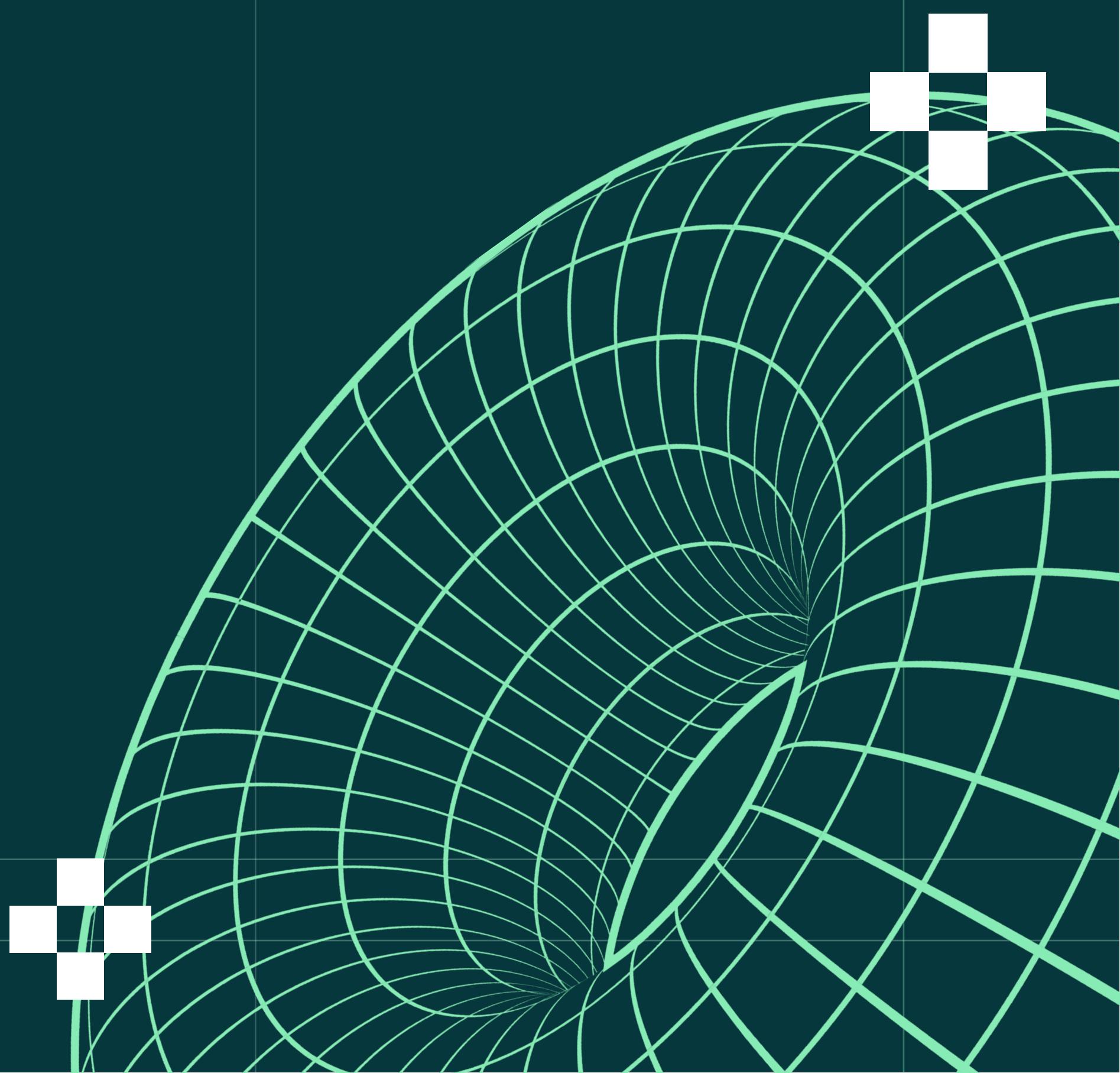
Mariska Boer, President of EuRIC Textiles (Textiles Branch of the European Recycling Industries Confederation EuRIC)

# Without strong incentives, the recycling market is expected to show limited growth reaching €1.6Bn and create 3,500+ jobs by 2030

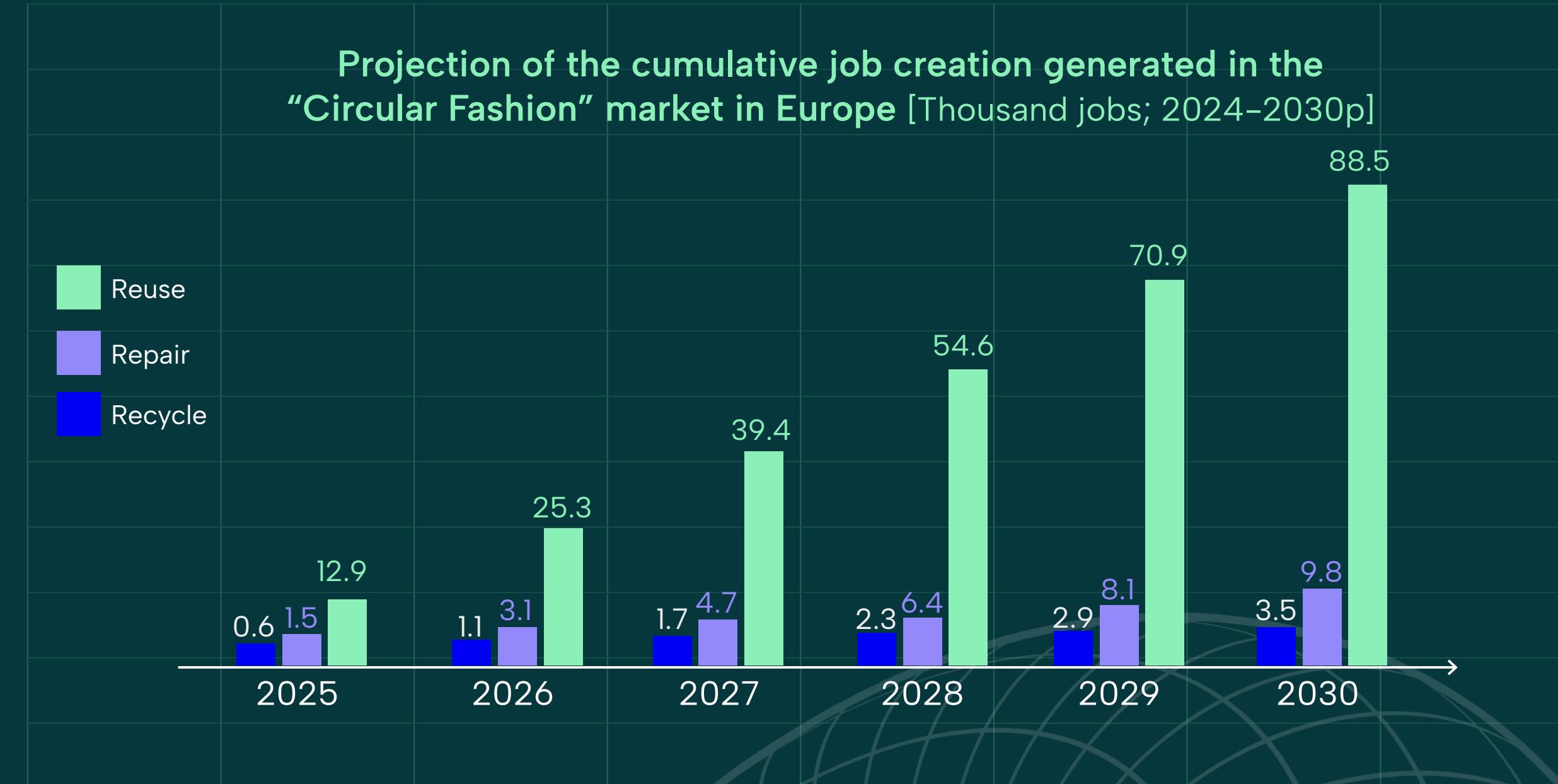
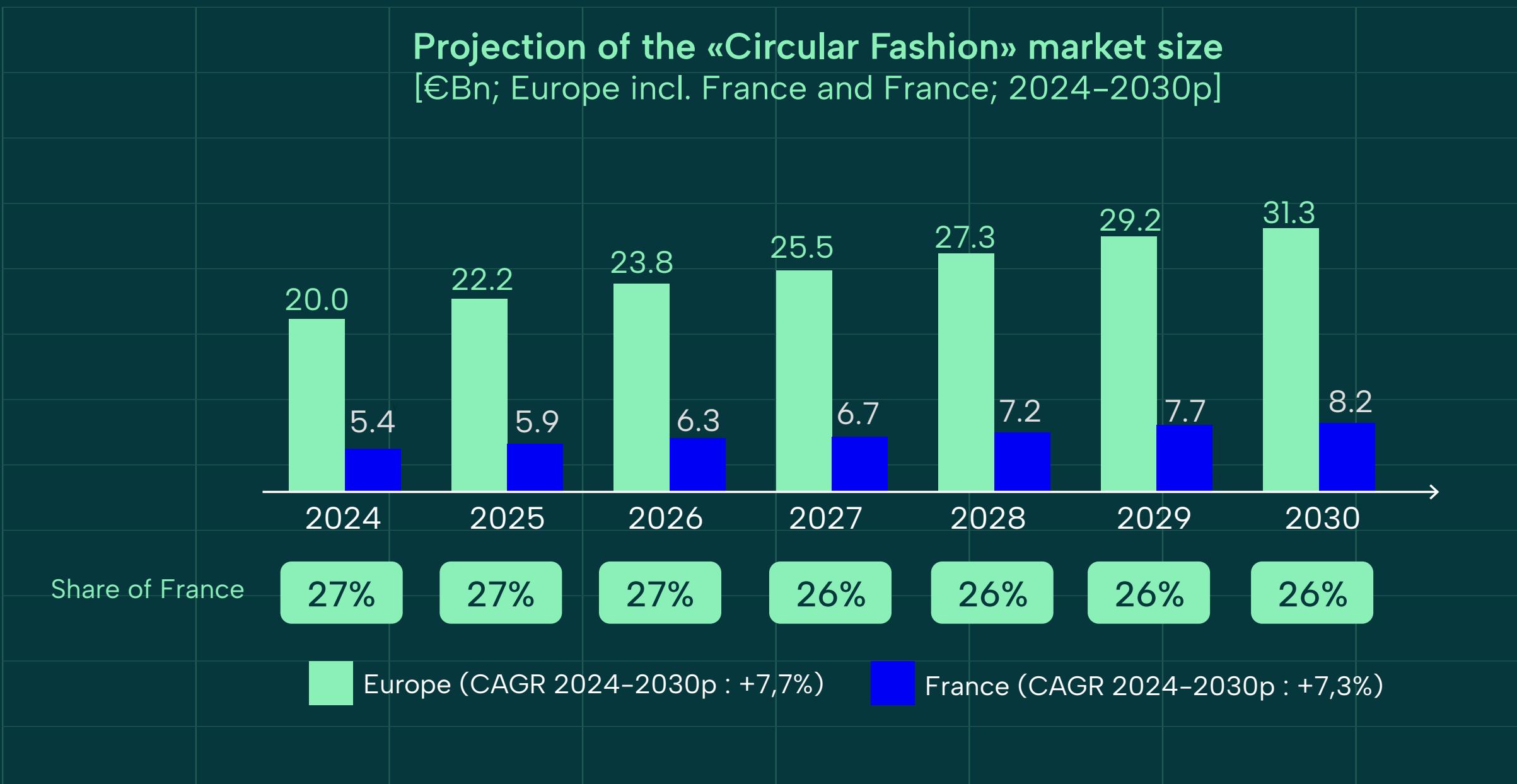


# CONCLUSION

## Perspectives



# “Circular Fashion” pillars are expected to generate a total of €31Bn by 2030, and create 88,500+ jobs between 2025 and 2030



## Limits of the assumptions:

- Reinvent initiatives are excluded from this consolidated view, as they have not been sized due to a lack of data.
- To minimise potential overlap in job creation between the “Reuse” and “Recycle” pillars, particularly in collection and sorting activities, two activities were exclusively assigned to the “Reuse” pillar. Of the 110,000 existing jobs in the European second-hand apparel market in 2023, 31% are in sorting facilities and 9% are in the operation of collection sites.
- This sizing may also exclude indirect revenue generation or job creation for each pillar.

# Three key challenges are identified as crucial for the development of the circular fashion industry

 <b>Implementing “Design for circularity”</b>	
<ul style="list-style-type: none"> <li>Players in the garment production cycle are not yet prioritizing the <b>anticipating of a garment's extended lifespan, second-life, or end-of-life</b>.</li> <li>The introduction of <b>eco-design would move beyond reactive approaches like repair, reuse, and recycling</b> by addressing root causes—<b>creating garments designed for longevity</b>.</li> <li>Since raw material usage accounts for the majority of the industry's carbon impact, <b>implementing eco-design initiatives at the production stage is of the most effective levers for change</b>.</li> </ul>	

 <b>Fostering data circulation and traceability</b>	
<ul style="list-style-type: none"> <li>The fashion industry has yet to fully leverage the wealth of data that its value chain can generate, data that could significantly enhance all pillars of circularity:</li> <li><b>Repair:</b> provides a deeper understanding of products strengths and weaknesses enabling to rethink manufacturing methods.</li> <li><b>Reuse:</b> provides insights into stock management, evolving demand, and second-hand market trends help assess perceived brand value.</li> <li><b>Recycle:</b> advises on most easily recyclable materials and insights on designing for recyclability.</li> <li>In addition, actions under the “<b>Reinvent</b>” pillar can capitalize on these learnings to improve <b>eco-design, stock optimization</b> and the <b>use of recyclable materials</b>.</li> </ul>	

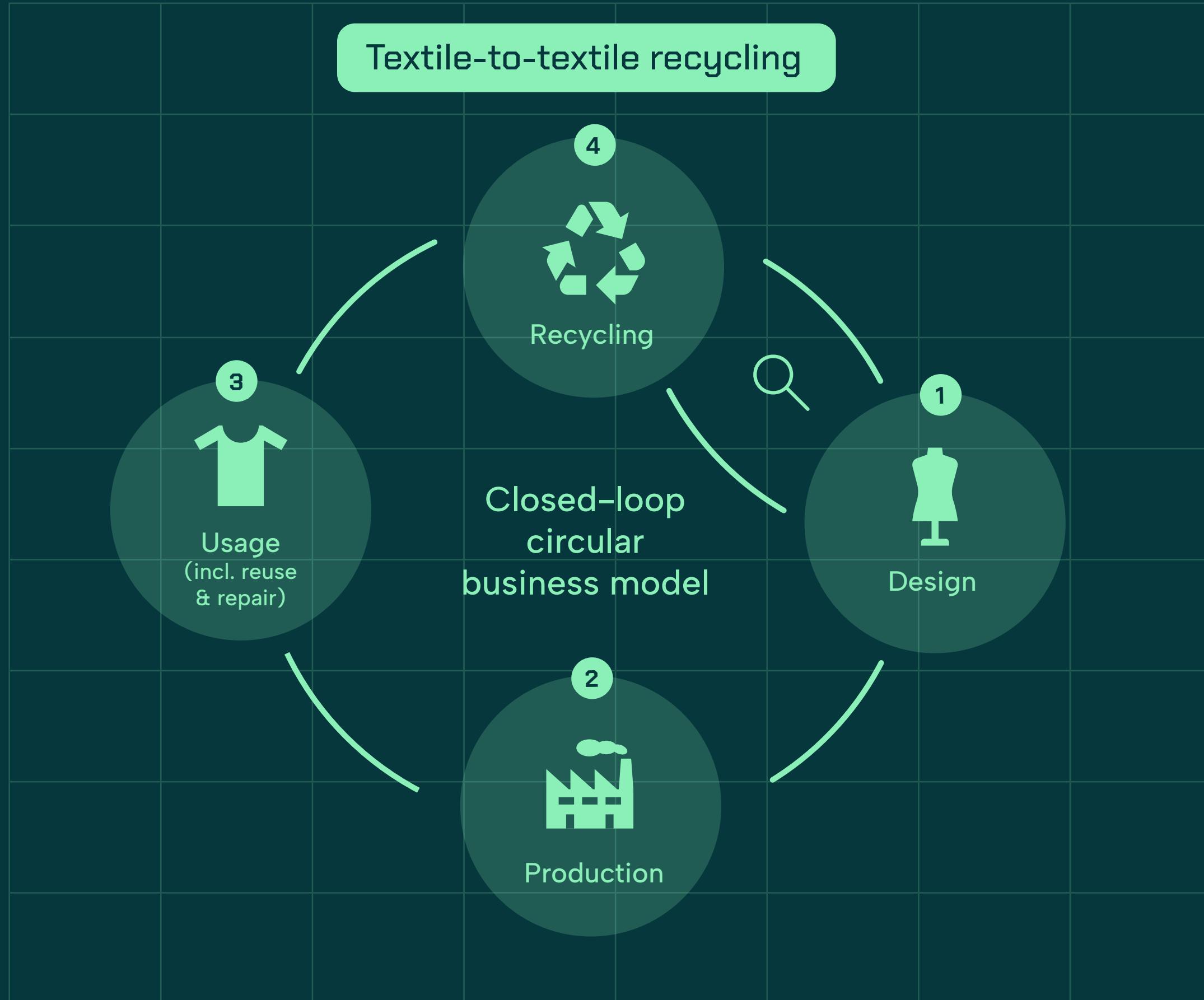
 <b>Enabling scale to develop a viable and profitable circular business model</b>	
<ul style="list-style-type: none"> <li>Players in the fashion industry are often faced with the challenge of setting up a circular business model and achieving profitability when integrating circularity (e.g. repair, second-hand, etc.) into their current business.</li> <li>Many business cases are currently in a testing phase, with <b>very little perspective</b>, but this lack of foresight and understanding of circular business models is mainly due to the following:</li> <li><b>Failing to anticipate the long-term financial and extra-financial benefits</b> of the business model.</li> <li><b>Developing a model overly focused on traditional financial KPIs</b>, often failing to account for the impacts of a circular model.</li> <li><b>Lacking internal buy-in</b>, hindering the scaling-up process necessary for deploying the business model effectively.</li> </ul>	

«The key is the conviction of leaders in the circular economy. Without that, we won't succeed.»

Anna Balez, Co-founder of Lizee



# Eco-design in a closed-loop is based on reciprocal actions and information exchange between designers and recyclers



The **Digital Product Passports** (DPP) can enable full transparency throughout a product's lifecycle, **providing crucial data at multiple stages** including key information at design and recycling phases.



## Zoom on eco-design for circularity

- Current fashion design do not fully integrate end-of-life considerations, making repairing, and recycling difficult.
- Implementing eco-design or 'design for circularity' would provide brands and fashion stakeholders with benefits at each stage of the value chain and **simplify repair, reuse and recycling**.
- The success of eco-design rests on the efficiency of the **collaboration between designers and recyclers** to ensure clothes are built for circularity from the start. A closed-loop approach, where recyclers and repairers provide feedback to designers, will optimize material selection and garment construction for better circularity.

### Designers

#### Key actions:

- Prioritizing mono-material garments
- Implementing modular construction
- Anticipating disassembly

#### Key information:

- Material specifications (mix of materials, source, etc.)
- Garment construction and assembly methods.

### Recyclers

#### Key actions:

- Adapting disassembling and recycling techniques to design requirements
- Investing and innovating on sorting and processing techniques

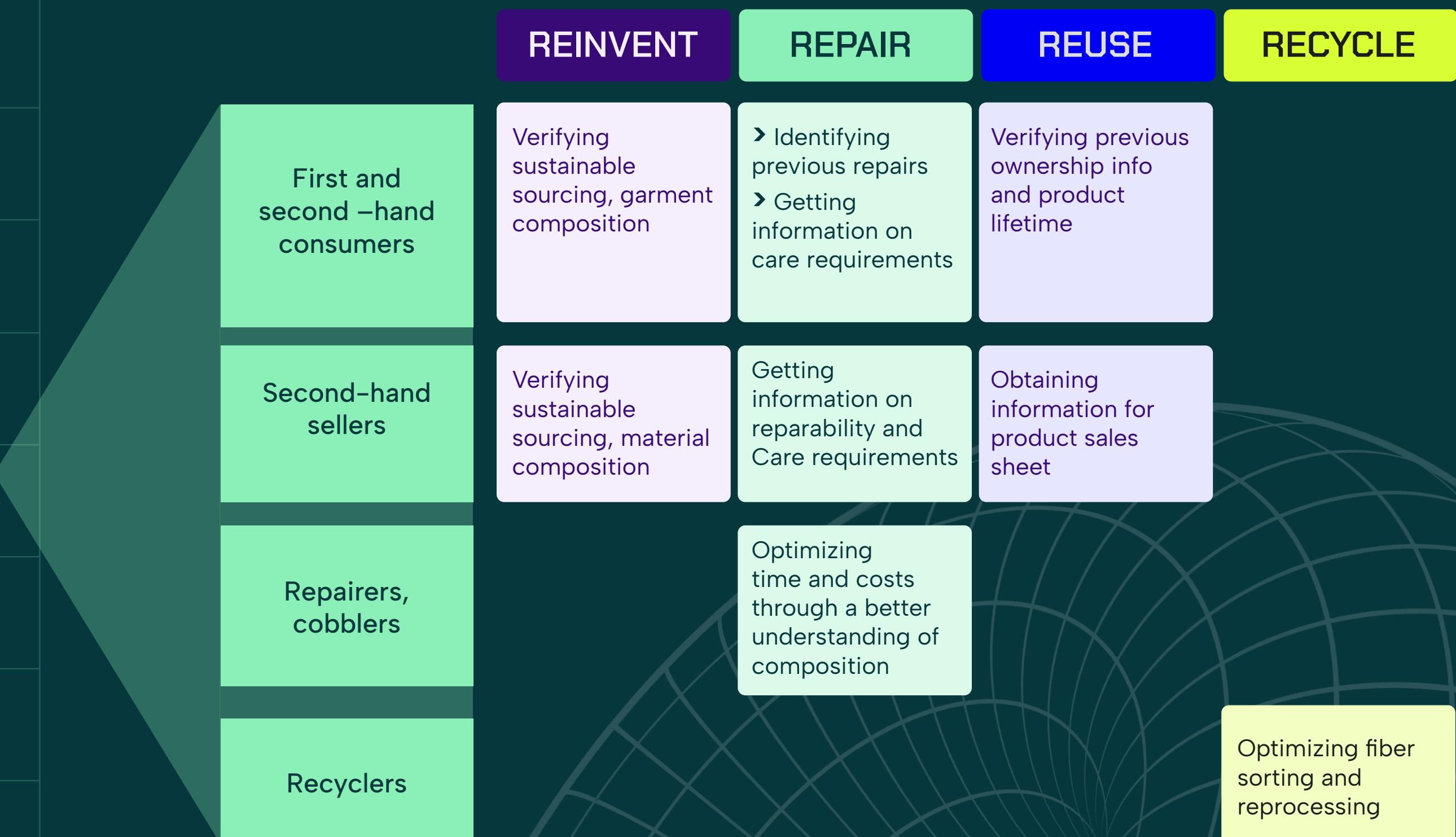
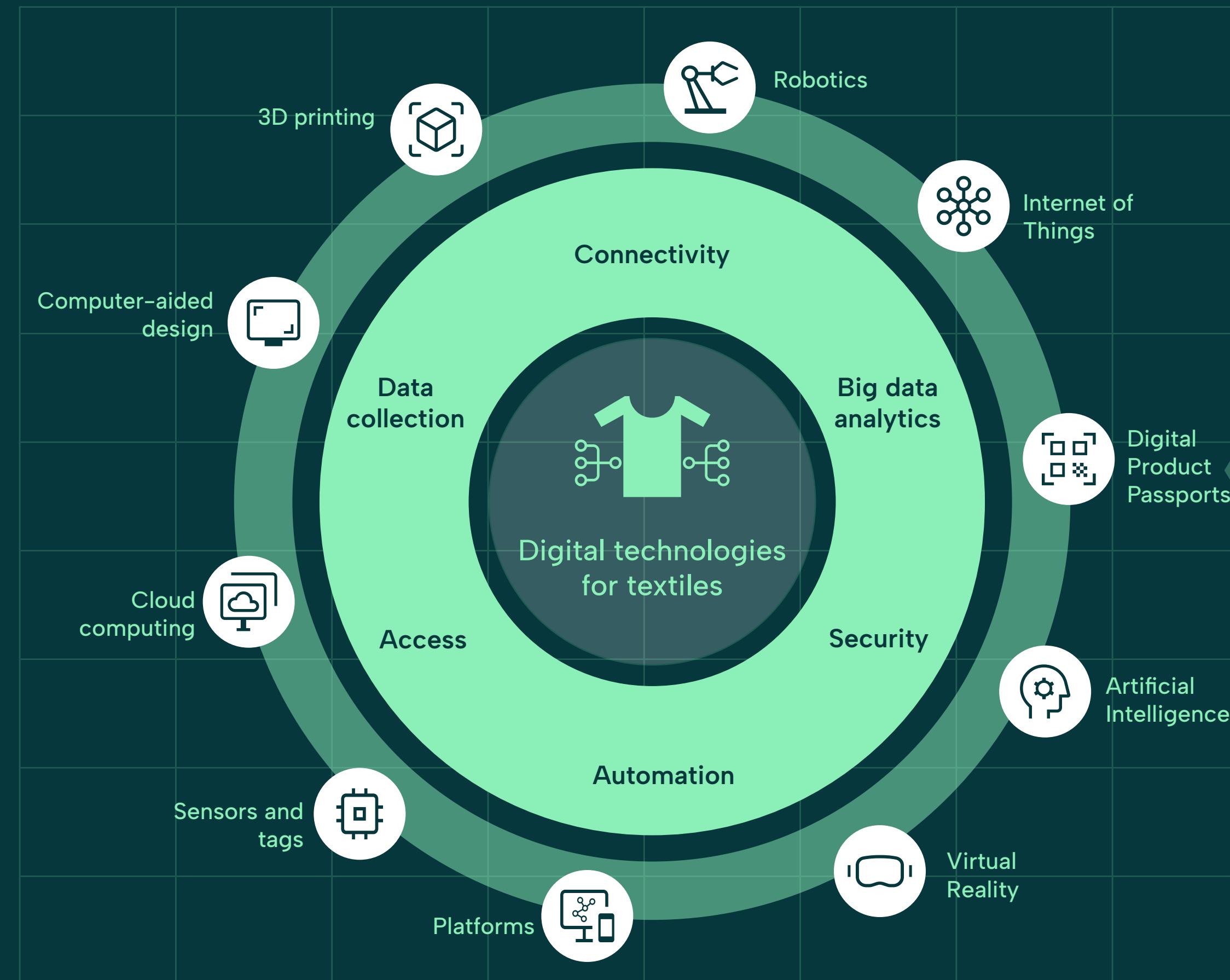
#### Key information:

- Insights on recyclability of different materials
- Feedback on design choices that help better optimize recyclability

# At every stage of a product's lifecycle, Digital technologies and Digital Passports in particular act as a circularity enabler

Among all digital technologies presenting efficiency, productivity and competitiveness opportunities for the textile sector...

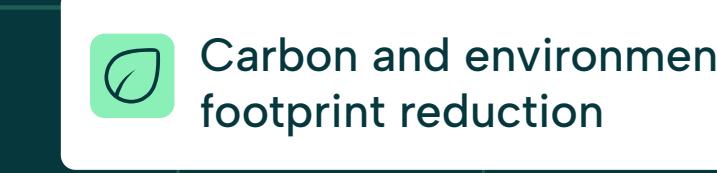
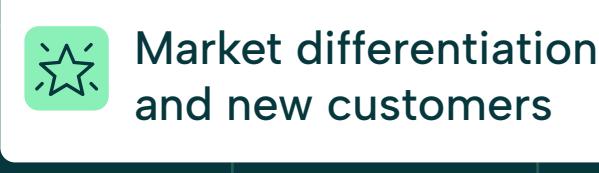
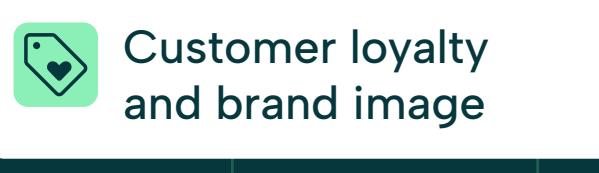
...the Digital Product Passport (DPP) is a true game-changer, providing crucial data at multiple stages of the garment's lifecycle



«Early adoption of DPPs ahead of regulatory mandates allows brands to gain a competitive edge by leveraging the mandate to align with consumer expectations, building greater trust, and building stronger storytelling by showcasing end-to-end product stories.»

# Circular business models provide various benefits beyond financial gains, but need specific conditions to be fulfilled

Circular models create mid to long-term business value by strengthening resilience, optimizing resources, and unlocking new potential

Benefits of circular Business Models		
 Operational efficiency	 Carbon and environmental footprint reduction	 Securing supply chain
Circular models (e.g. optimized inventory, pre-ordering) help reduce overproduction, lower waste management costs, and fuel demand forecasting.	Reducing virgin material use, improving recyclability, or extending product lifespan positively impact the environmental footprint.	Diversification of raw materials portfolios mitigate sourcing risks linked to climate change or geopolitical conflicts.
 Market differentiation and new customers	 Product development insights	 Regulatory resilience
Circular services (rental, resale) help brands reach price-sensitive or sustainability-first consumers, opening new demand pockets in the saturated / slow-growing market of fashion.	Circular services (rental, resale) help brands reach price-sensitive or sustainability-first consumers, opening new demand pockets in the saturated / slow-growing market of fashion.	Returns, repairs, and second-hand data reveal quality insights or customer preferences, which can inform better design choices and durability enhancement.
 Customer loyalty and brand image	Fostering emotional attachment to the brand, increasing repeat purchases and reducing churn, which is more cost-efficient than acquiring new customers. Additionally, circular strategies visibly demonstrate a commitment to sustainability, enhancing brand credibility.	

Developing a viable and profitable circular business model is based on a set of prerequisites that must be secured right from the beginning

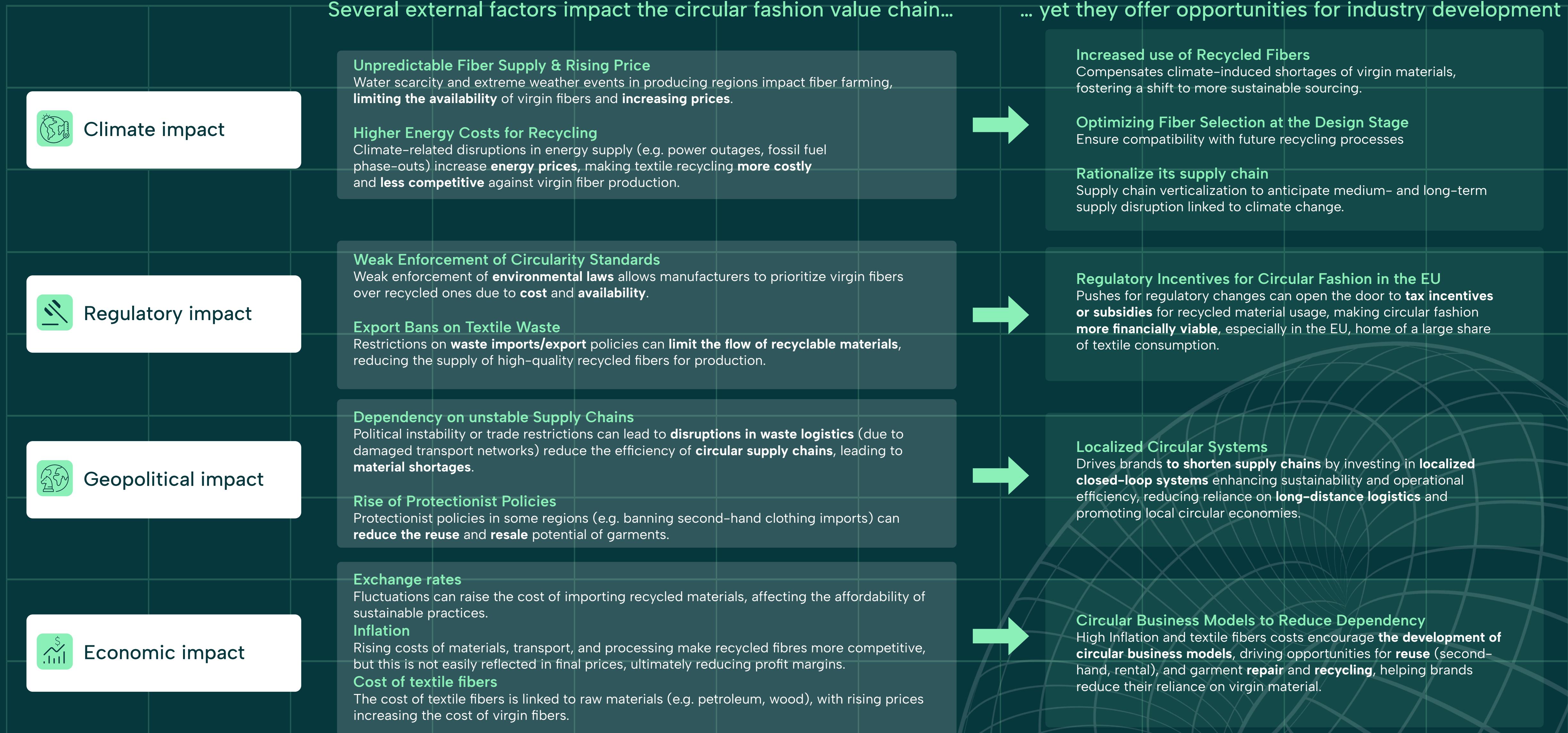
- Increase volumes of the three **Rs** to achieve scalability and profitability.
- Define right pricing and have a clear value proposition (as taught by 2nd hand use cases).
- Get buy-in internally, not just from CSR teams, but also from finance, operations and sales functions (equip sales with the right narrative, arguments and training).
- Communicate around the circular business, and make it as appealing as 1st hand shopping and engage new audiences, especially young consumers.
- Invest in the business model, not just in capabilities but also in training (e.g., repairs, relying heavily on training shoemakers and menders).
- Surround yourself with external partners, if only to get started and achieve scalability.
- Be open to collaboration with other players along the value chain to join forces, or with other industries that can benefit from the positive externalities of textile activity (e.g., industries using recycled textiles).

# All efforts required to meet these challenges take place in a fast-paced regulatory context...

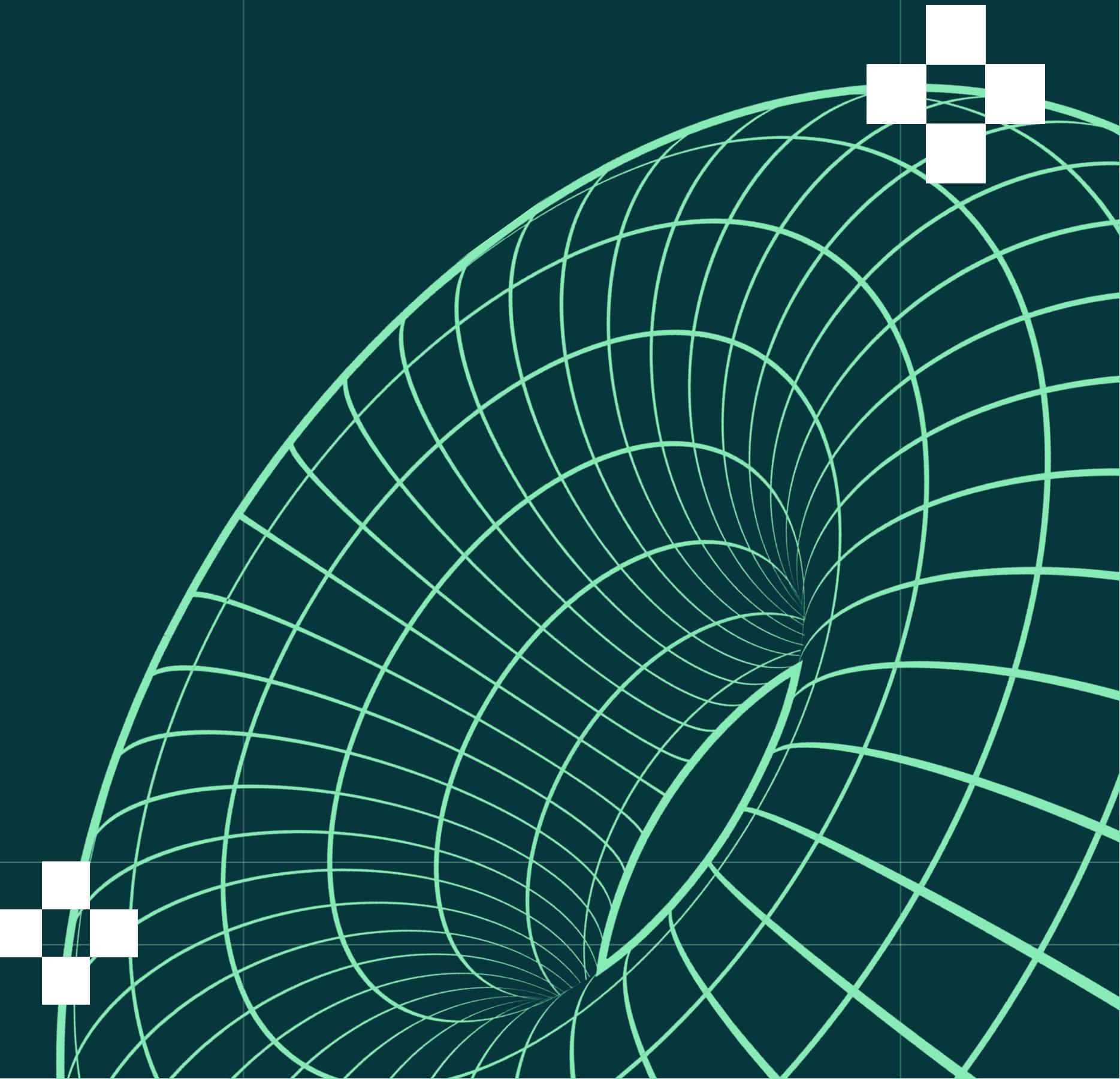
Upcoming regulations at the European level	
	<b>Waste framework directive (2025)</b> Harmonizes the <b>Extended Producer Responsibility</b> in use across member states and facilitates the <b>management of textile waste</b> (separate collection of textile).
	<b>ESPR Working plans (2025)</b> <ul style="list-style-type: none"> <li>Produces a list of <b>eco-design requirements</b> with key guidelines and rules. The preparatory work for textiles has already begun.</li> <li>Establishes implementation rules for the <b>Digital Product Passport</b>.</li> </ul>
	<b>Green claims (2025)</b> Empowers consumers by <b>harmonizing green claims that will need to be independently verified by a third party</b> .
	<b>Circular Economy Act (2026)</b> Harmonizes circular economy policies across members states to reduce regulatory fragmentation by aligning with existing regulations. Key topics addressed: <ul style="list-style-type: none"> <li><b>Incentivizing the use of secondary</b> materials in manufacturing.</li> <li><b>Creating a single market for waste and secondary raw materials.</b></li> </ul>
	<b>Textile Labelling regulation (2026)</b> Introduces a single and <b>uniform set of rules on labelling requirements</b> for textile and related products.
Revision of an existing	

Member states legislations recently adopted or debated	
	France's anti fast fashion law has been adopted by the General Assembly early 2025 and is yet to be discussed by the senate in May 2025. It aims at <b>defining fast fashion practices</b> , increasing consumers' information on the environmental impacts and implementing an ecological malus on the price of fast fashion items.
	Germany adopted a <b>National Circular Economy Strategy</b> . It will implement a circular economy platform, a roadmap to 2030 with concrete circular practices.
	Denmark introduced an <b>EPR</b> <sup>(i)</sup> system for packaging as of 2025, in line with the current EU Packaging Directive.
	Hungary's EPR system established in 2023 has been revised. Effective from April 1st, 2025, if a producer fails to meet its reporting and fee payment obligations, or if false data is provided leading to a lower fee payment, the competent waste management authority may impose a fine.
	The Netherland recently adopted its <b>National Circular Economy Program 2025-2030</b> . Its aims at implementing <b>circular practices</b> within the country on different sectors including textile with targets for 2030.

# ...with external factors affecting the industry, while also offering opportunities for players to capitalise on



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