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SUSTAINABILITY LAB
MONITOR FOR CIRCULAR FASHION

Monitor for Circular Fashion

REPORT 2021

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Who we are

The SDA Bocconi School of Management Sustainability Lab Monitor for Circular Fashion is a:

- 1) multi-year research project
- 2) multistakeholder community

The Monitor for Circular Fashion, powered by Enel X, is willing to disseminate the best practices of circular fashion and promote technical, managerial and scientific skills especially those that contribute to the transition towards circular business models.





Partner companies

Ingredient brands

Candiani Denim
ICA Yarns
Manteco
RadiciGroup
Vitale Barberis Canonico
Vibram

Brands & Retailers

Oscalito OVS Save The Duck Vivienne Westwood

Service Providers

Dedagroup Stealth Intesa (IBM Group) PLM Impianti Temera

KPIs Committee

Bip PwC

Technical Partners

Eco-Age Visualmade



Fashion industry research and post-Covid view

Reshaping fashion industry perspectives



Reshaping fashion industry perspective

COVID-19 pandemic has caused major economic, social and environmental consequences, including a significant increase in textile waste production.

The transition from a linear to a circular economy will play a significant role in meeting the Sustainable Development Goals (SDGs) part of the 2030 Agenda.

Some barriers are limiting the transformational change towards circularity.

The cradle-to-grave approach is still dominant.

The Monitor for Circular Fashion is founded on the belief that the following factors will be instrumental in bringing about a transformational change towards sustainability and circularity in the fashion industry:



Enhanced dialogue among policy makers, companies, institutions, final users, associations, NGOs and other relevant stakeholders.



Regulations and incentives that address the crucial requirements for the implementation of a circular approach.

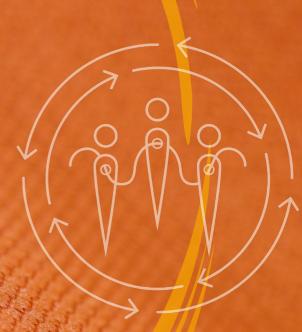


Awareness and education programs on sustainability and circularity for all stakeholders.

Methodology for identification of KPIs

3 KPI areas





3 KPI areas

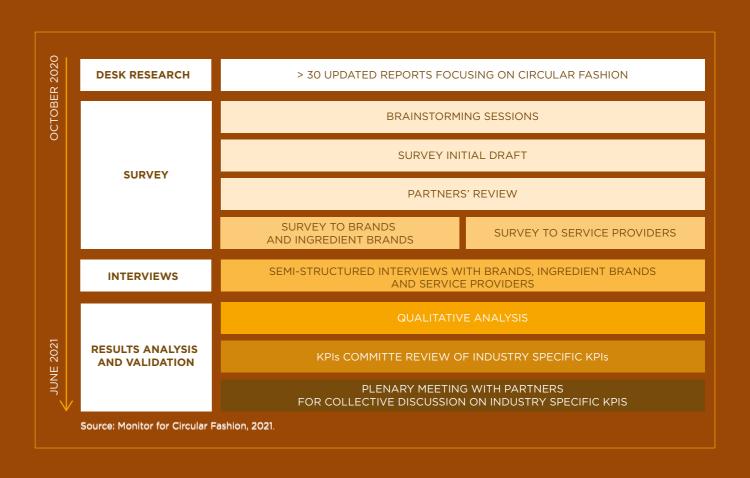
Corporate and energy KPIs

The "Circular Economy Report"* is an Enel X service, based on a validated methodology by the external certification body RINA and CESI, being accredited by Accredia, able to identify the current level of circularity of the company and to propose a roadmap of innovative solutions for boosting it.

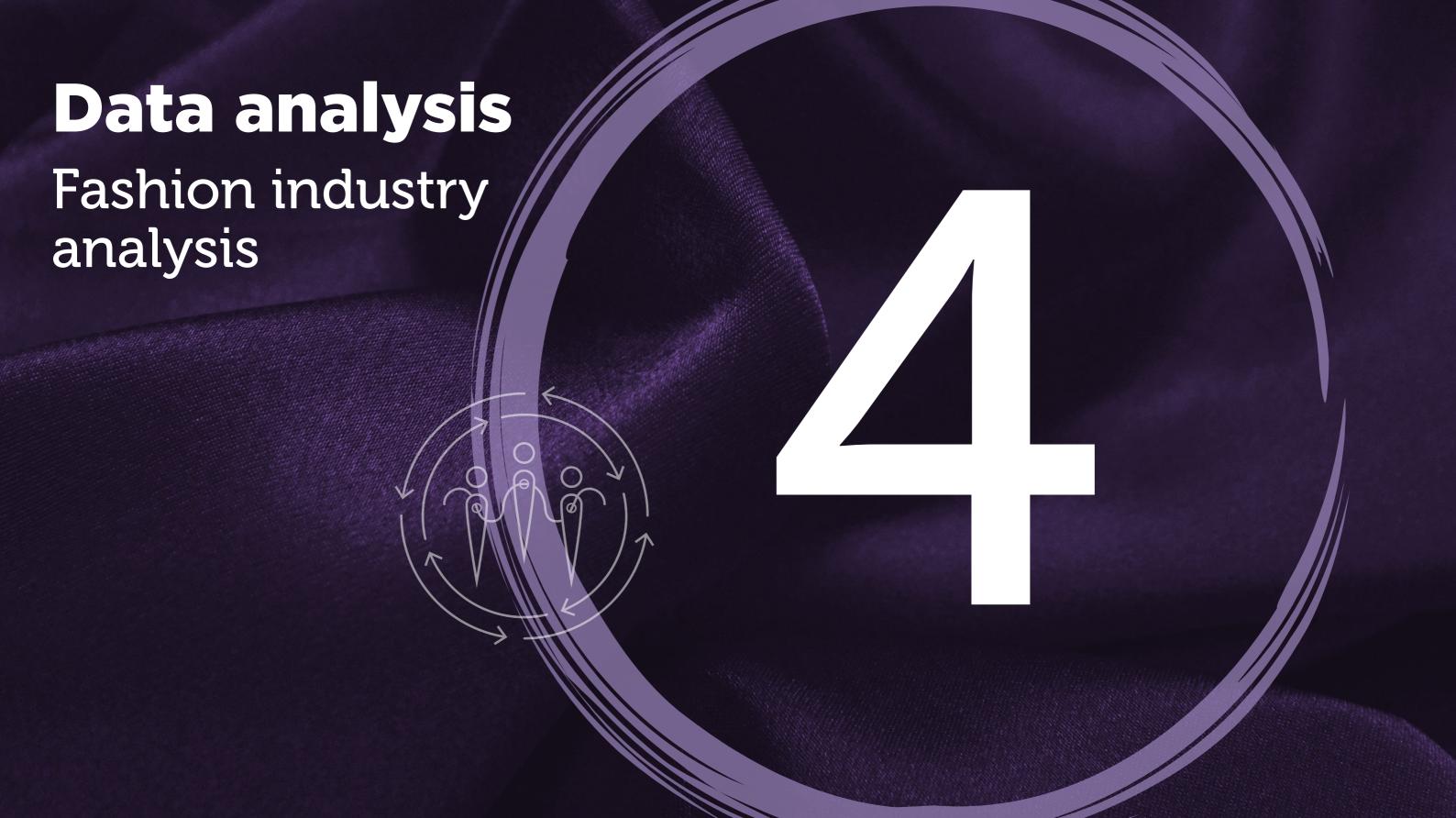
The methodology, based on over 60 KPIs, is divided into two levels of analysis: Corporate and Energy-Site.

Tailored KPIs for fashion

The identification of over 30 fashion industry tailored KPIs was based on primary and secondary data, gathered by SDA Bocconi Sustainability Lab research team through desk research, an on-line survey and semi-structured interviews to the 14 companies part of the community.



^{*}Enel X has produced 10 "Circular Economy Reports" to generate the aggregate data analysis on Corporate and Energy KPIs.



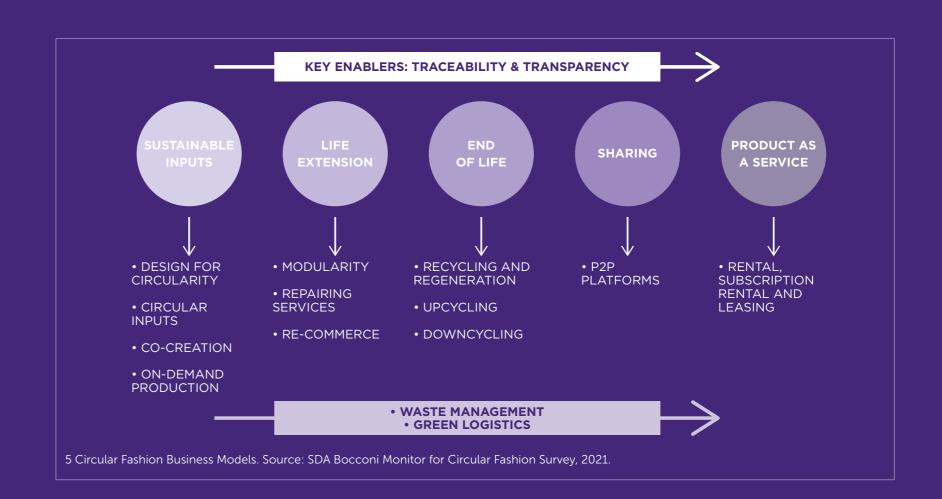
Fashion industry analysis

Circular Fashion Value Chain Activities

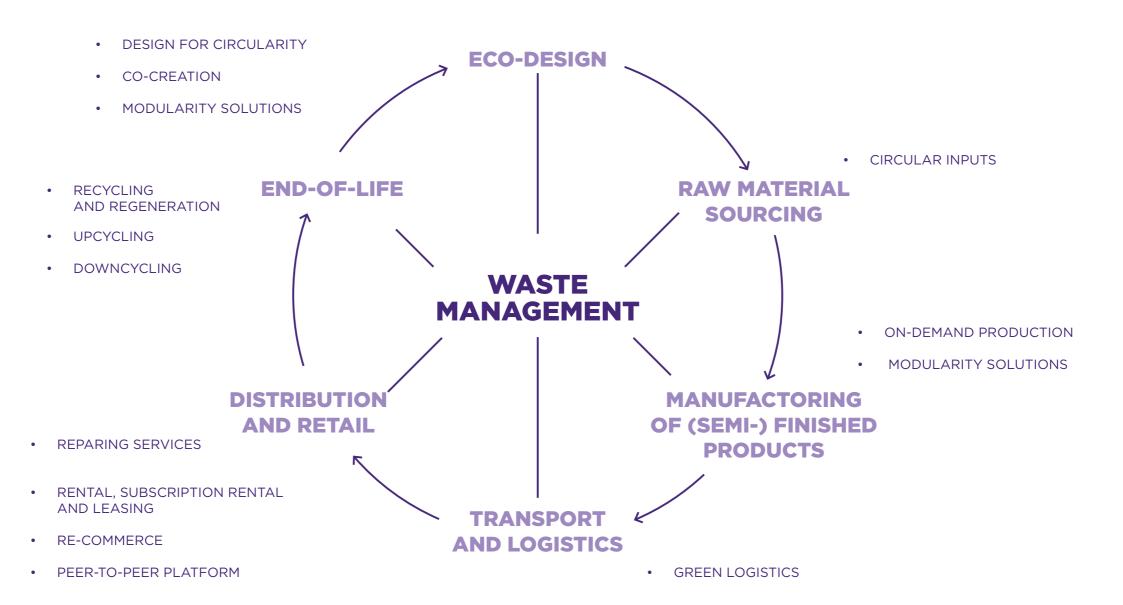
Upstream circularity activities such as "Design for Circularity", "On-demand production", "Circular inputs", are currently much more diffused than downstream activities such as "repairing services", "rental, subscription rental and leasing", "re-commerce, second-hand market".

Post-sale activities for circularity

In order to improve the circularity performance, companies must implement one-to-one communication actions with the final clients. Building long-term relations with them can help facilitate product take-backs in order to achieve resource efficiency.

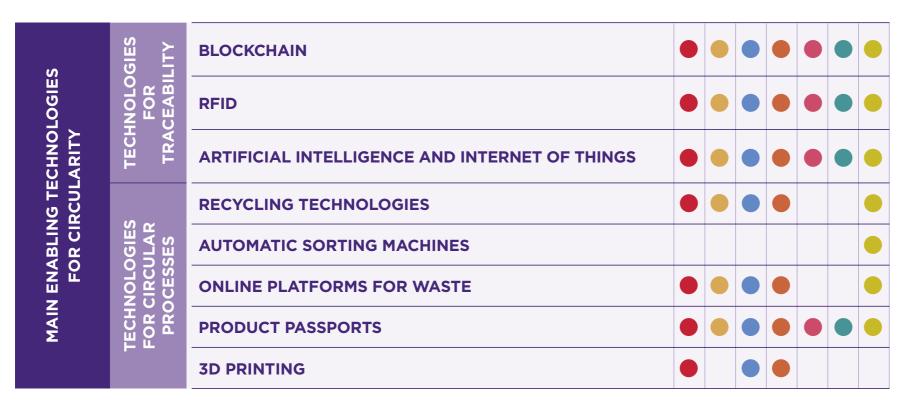


Detailed circularity activities along the Circular Fashion Value Chain



Source: SDA Bocconi Monitor for Circular Fashion Survey, 2021.

Main enabling technologies to accelerate circularity in fashion



Several advantages will come from the use of technologies as enablers of circularity but challenges are still to be solved, for instance: privacy and security, lack of regulatory framework and data collection complexity and costs.

MAIN FASHION VALUE-CHAIN ACTIVITIES INVOLVED:



SOURCING

2. RAW MATERIAL



3. MANUFACTURING OF SEMI-FINISHED PRODUCTS



5. TRANSPORT AND LOGISTICS

7. END-OF-LIFE

SERVICES



Source: SDA Bocconi Monitor for Circular Fashion Survey, 2021.

Circularity trade-offs, challenges and opportunities

CIRCULAR FASHION TRADE-OFFS						
1. HIGHER OPERATIONAL COMPLEXITY	OPERATIONAL					
2. ENVIRONMENTAL IMPACTS OF PROCESSES, INCLUDING LOGISTICS	ENVIRONMENTAL					
3. AVAILABILITY OF VOLUMES	OPERATIONAL					
4. COSTS OUTWEIGH PROFITS	ECONOMIC					
5. LEAD-TIME AND TIME TO MARKET	OPERATIONAL					
6. QUALITY ISSUES	QUALITY					
TOP RANKING CIRCULAR FASHION TRADE-OFFS TRADE-OFF CATEGORY						

Source: SDA Bocconi Monitor for Circular Fashion Survey, 2021.

TOP RANKING CIRCULAR FASHION OBSTACLES					
1. COSTS					
2. AVAILABILITY OF TECHNOLOGIES					
3. AVAILABILITY OF INFRASTRUCTURE					
4. EXTERNAL CULTURAL OBSTACLES					
5. LAW AND REGULATORY OBSTACLES					
6. AVAILABILITY OF EXTERNAL COMPETENCIES					
7. AVAILABILITY OF INTERNAL COMPETENCIES					
8. INTERNAL PROCESS INERTIA					
9. INTERNAL CULTURAL OBSTACLES					
10. CONFIDENTIALITY					

TOP RANKING CIRCULAR FASHION ADVANTAGES

1. IMPROVED BRAND REPUTATION AND FINAL USER LOYALTY

2. NEW BUSINESS OPPORTUNITIES

3. NEW JOBS

4. COST REDUCTION

Innovative solutions

Unlocking circular fashion opportunities



Unlocking circular fashion opportunities

How to increase circularity performance

Reimagining the future of the industry towards circularity requires a collective effort. The community comprising of 14 member companies of the Monitor for Circular Fashion, are of the opinion that to increase circularity performance of the industry as a whole, the following actions should be prioritized:

1.	Measuring and assessing circularity	8
2.	Increasing the level of traceability of the fashion value chains	
3.	Resolving circular fashion trade-offs	
4.	Engaging final clients/users in circularity initiatives	8
5.	Improving the collection of waste	
6.	Accelerating industrial symbiosis	
7.	Scaling-up circularity pilot projects	
8.	Develop harmonized EU-wide end of-waste criteria	







Tailored KPIs for Fashion: introducing the Circular Fashion Manifesto

The Companies of the Monitor for Circular Fashion have set more than 30 tailored KPIs for the fashion industry in order to measure for each activity of the Circular Fashion Value Chain:

- transparency and traceability performance
- sustainability and circularity performance

	CIRCULAR VALUE CHAIN ACTIVITY									
	ECO-DESIGN	RAW MATERIAL SOURCING			MANUFACTURING ON SEMI-FINISHED PRODUCTS		TRANSPORT AND LOGISTICS	DISTRIBUTION AND RETAIL		END-OF-LIFE SERVICES
COMMITMENTS	IMPLEMENTING ECO-DESIGN PRINCIPLES	MEASURING TRACEABILITY	INVESTING IN R&D	REDUCING WASTE	PERFORMING RESPONSIBLE MANUFACTURING	SUPPORTING SHARED AUDITS AND INTEROPERABILITY AMONG PLATFORMS	ACHIEVING DECARBONIZATION	EDUCATING FINAL USERS ON RESPONSIBLE CONSUMPTION	DEVELOPING RELIABLE SUSTAINABILITY CLAIMS	ENGAGING FINAL USERS TO EXTEND THE LIFE OF PRODUCTS
ACTIONS	Liaising with multi-stakeholder initiatives focused on eco-design.	Measuring traceability by identifying clear and relevant KPIs.	Increasing research on sustainable and circular materials.	Reducing textile waste on total raw material.	Enhancing joint commitments on traceability. Performing and providing training on responsible manufacturing.	Supporting shared audits, to grant higher efficiency for suppliers and supporting interoperability among auditing platforms.	Adopting recommended methodologies to measure data related to transportation in order to achieve decarbonization, starting from Scope 1.	Engaging and educating final users on responsible consumption.	Respecting the guidelines on sustainability claims developed by UNECE.	Engaging and educating final users to extend the life of products.

Monitor for Circular Fashion: next steps

During the next months and years the Monitor for Circular Fashion aims also to enhance traceability and transparency for circularity and encourage Governments to adopt a harmonized policy framework to support circular fashion initiatives.

Thanks to the partner companies of the Monitor for Circular Fashion





























KPIs Committee





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