

The Dutch circular textile industry: The time for circularity is now



NL

Netherlands

“Moving towards a more circular economy could increase competitiveness, stimulate innovation, boost economic growth and create jobs (700,000 jobs in the EU alone by 2030).

Furthermore, redesigning materials and products for circular use would also boost innovation across different sectors of the economy.”

European Parliament

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Foreword

In a world where sustainability is becoming increasingly important, the textile industry plays a crucial role. The ecological footprint of the textile industry is huge. The big and exponential rising use of land, water, energy and chemicals makes the textile industry one of the most polluting industries worldwide. The Dutch ambition is to achieve a fully circular textile chain by 2050, where waste is minimised and materials are continuously reused.

The Circular Textile Policy Program 2020-2025 forms the foundation for this transition. This program aims to increase the share of recycled and sustainable materials in textile products to 25% by 2025 and ensure that 30% of all textiles in the Netherlands are recycled after use. Soon, a new policy programme on circular textiles will be launched for the period 2025-2030, reducing overproduction and overconsumption, circular design, improving transparency and stimulating reuse and repair of textiles.

Collaboration is essential for the success of this ambition. The Circular Textile Network Meeting brings together all stakeholders in the textile value chain to find solutions and monitor progress collectively. The Netherlands also collaborate at the European level to realise circular textile value chains.

Innovation and involvement from companies, civil society, and experts are crucial. Initiatives such as the Dutch Circular Textile Valley and the extended producer responsibility (EPR) for textiles stimulate innovation and connect regional initiatives to strengthen the circular textile chain together.

I invite you to participate in this important transition. The textiles and fashion sector realise, they have to change to become resilient for future developments. Together, we can create a sustainable future where textiles are not only beautiful and functional but also have a positive impact on our planet.

There are several examples of circular textiles practices that demonstrate how the textile industry can become more sustainable. Some are already:

1. **Recycled materials:** Companies could enhance sustainability by using recycled and low ecofootprint materials in their products. The Demin Deal, for example, incentivises companies to make sustainable products by focussing on high-quality jeans by using post-consumer recycled cotton within their products.
2. **Textile leasing:** A leasing model for jeans, offering customers a pair of jeans to lease and return them for recycling or reuse after use. This model extends the lifespan of the garments and reduces waste.
3. **Upcycling:** Collecting textile waste and transform it into new, high-quality products.
4. **Circular design principles:** Designers integrate circular principles into their designs by using sustainable materials and ensuring easy disassembly of garments at the end of their lifecycle.
5. **Local production and repair:** Producing locally and easing the access to repair, promotes both employment as well as sustainability.

These examples show that there are already many innovative solutions to make the textile industry more circular. We hope this brochure inspires you to contribute to a circular future for textiles.

Minister for the Environment and Public Transport

Chris Jansen



Introduction

The Netherlands aims to have a fully circular economy by 2050. We believe that a circular textile value chain is a blueprint for a fair future, as circular business models contribute to the various challenges within the industry. However, this goal is a significant challenge to the textile industry, known as one of the most polluting industries in the world with a strongly globalized value chain.

The textile industry has a value chain that spans the globe, which makes the industry a complex market with many actors and many challenges. These challenges consist of the use of large quantities of water, chemicals, and energy, the worldwide waste the industry generates, pollution, and poor and unmonitored labour. It is evident that rigorous and systematic changes need to be made to the textile industry.

The transition from a linear to a circular textile industry offers many opportunities. The markets for rental, resale, repair, and remaking services have already surpassed USD 73 billion and are continuing to expand. Since 2019, despite the challenges posed by the Covid-19 pandemic, seven major resale and rental platforms have each achieved billion-dollar valuations. These models, currently accounting for **3.5%** of the global fashion industry, are projected to grow significantly, potentially reaching **23%** of the market by 2030¹. However, to successfully develop circular business models, their revenue must be decoupled from production and resource use.

The Dutch circular economy strategies, research, businesses and technologies have the potential to offer solutions to accelerate the transition towards a circular textile value chain. There are proven circular best practices in every part of the supply chain and we believe that many of these concepts have the potential to scale. As a frontrunner in circularity, the Netherlands aims to set high standards for our country and the rest of the world. A clear vision for circularity, involving every aspect of the textile value chain is crucial for this transition.

Collaboration is an essential aspect of achieving such systemic changes. The textile value chain does not end at our border, nor does it end at any countries' border. Furthermore, it is of great importance to have an overview of the Dutch circular textile ecosystem to understand which possibilities for collaboration and innovation are available.

Thus, this publication aims to showcase a sector guide for the Dutch Circular Textile sector, cataloguing all significant organisations active in this sector. It shows how a circular value chain should look and what is required to develop a circular textile industry.

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 **DCTV**
DUTCH CIRCULAR
TEXTILE VALLEY



17-20%

of industrial water pollution is due to textiles dyeing and treatment

4%

of global freshwater withdrawal is derived from textiles production



79

billion cubic meters of water is used by the fashion industry annually, with an estimated increase of 50% by 2030, much of which will occur in regions with high water stress

Cotton production accounts for 4% of nitrogen fertilizers and phosphorous, 7% of herbicides, and 16% of pesticides used globally



4%



7%



16%

2.5%

of global agricultural land use is accounted for by cotton production.



3-7%

of global human-derived CO₂ emissions are accounted for by fiber production.

Figure 1: The impact of the textile industry.²

The textile industry - the impact on our everyday life

Textiles are embedded in our everyday life

Textiles are fundamental to our everyday life. Textiles keep us warm, cool and comfortable. Nowadays, textiles are applied in two main sectors: textiles for clothing (conventional textiles) and technical textiles, which have numerous applications for nearly all societal needs. Textiles and society are inherently connected as we all have a strong cultural and emotional connection with textiles. Textiles are used to reflect and communicate our personality and vision. This can be applied to the clothes we wear or, for example, our home decor. It shows who we are and how we connect to others.

The textiles industry accounts for nearly 4% of the total world trade, which translates to the world's 7th most traded product³. Today, significant parts of the production phase are dominated by Asian countries⁴. This has mostly to do with that the textile industry's historically dependent on cheap labour and on countries that are less stringent on environmental and social standards and regulations.

Compared to only fifteen years ago, we possess more than twice as much clothing and, on average, only wear items 7-10 times before being discarded⁵. Clothing is one of the most underutilised products in the world. The average number of times a garment is worn has decreased by 36% compared to just 15 years ago⁶. Furthermore, clothing production has doubled in the past 15 years, and if growth continues as expected, production will double in 2030 and triple by 2050⁷. Every year consumers around the world waste around 460 billion worth of clothes. This textile waste often ends up in landfill or gets incinerated.

(Ultra) Fast fashion

The influence of (ultra) fast fashion on this increasing consumption pattern is evident. Since the 2000s, the 'fast fashion' business model has promoted cheap and lower-quality materials with a short life span. Within 3 to 5 weeks, big fashion retailers originate a design and have the finished goods in the stores ready for sale. Every week a new collection of garments arrives. These new clothes do not remain on the racks for more than a few weeks, encouraging the desirability of buying something new. The emergence of fast fashion has increased the introduction of short trends leading to premature product replacement and fashion obsolescence.

Moreover, early 2020 the '*ultra-fast fashion*' business model has emerged and has sped up the process of design to a finished piece of clothing in just under 48 hours. Ultra-fast fashion turns fast fashion's 'weeks' into days and 'dozens of styles' into hundreds and thousands⁸. These garments are historically cheap in terms of both quality and price, mostly produced with virgin plastics. Driven by social media influencers and optimized microtargeting ads, many people are daily confronted with the desire to buy more clothing. Unfortunately, the problems that arise from ultra-fast fashion are even worse than those of fast fashion, negatively impacting the environment and labour conditions.



The impact of the textiles industry

The size of the textile industry has increased in the past decades and it is well known that the fashion industry is one of the most polluting industries in the world.⁹ Unfortunately, around **60%** of the textiles produced yearly end up in landfills¹⁰. Every second, the equivalent of a rubbish truckload of clothes is burnt or buried in a landfill. In combination with many environmental issues noted by the (ultra-)fast fashion system, the impact on the environment is enormous. The textile industry uses large quantities of water, chemicals, and energy, generating waste, effluents, and pollution. Two-thirds of the environmental impact of clothing is embodied in the production phase¹¹:

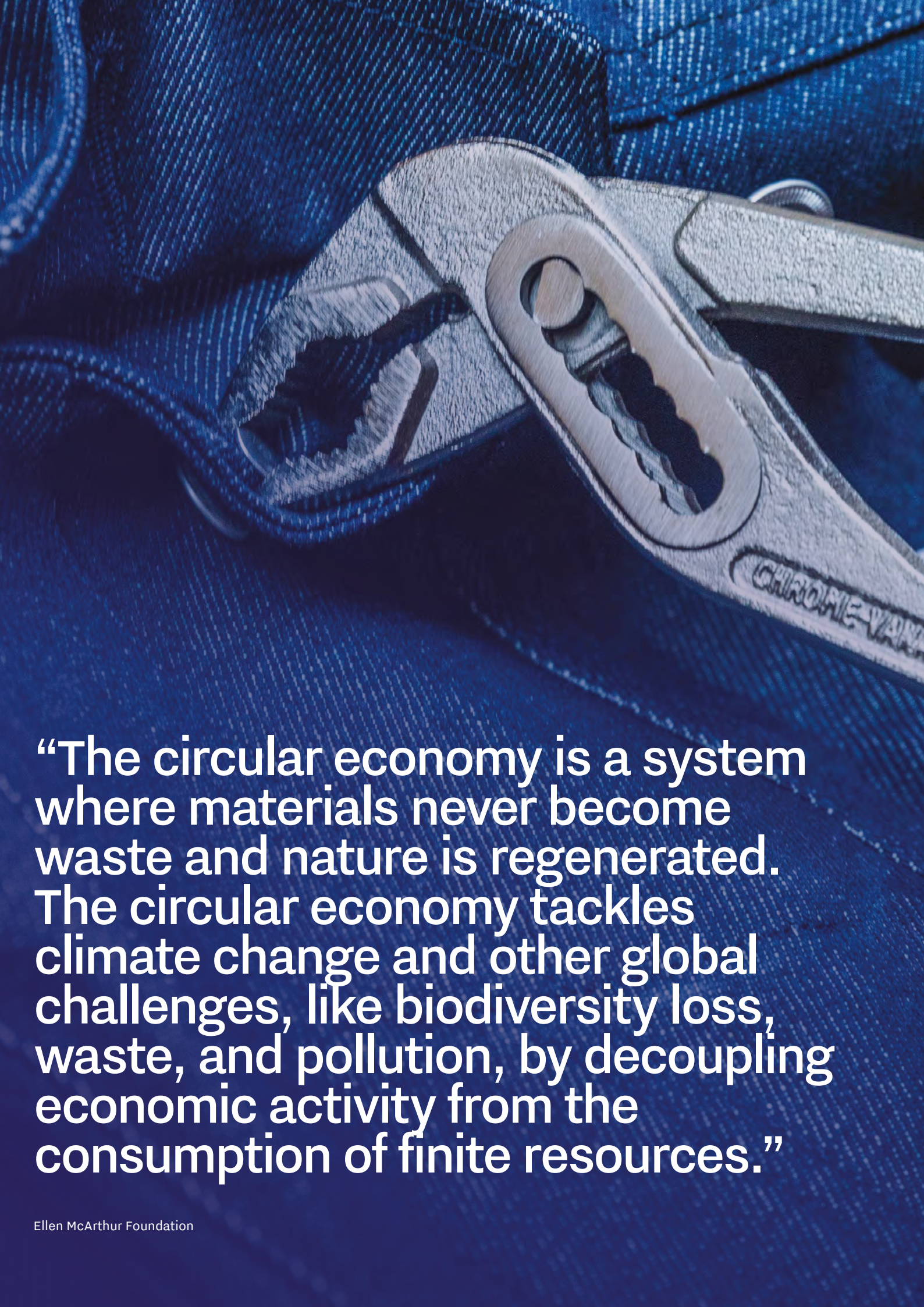
Furthermore, the textile industry uses 98 million tons of fossil fuels¹² and other non-renewable resources every year. The textile industry causes **17% to 20%** of industrial water pollution¹³ and washing synthetic products leads to the accumulation of more than half a million tonnes of microplastics on the bottom of the oceans every year. Moreover, factories release these chemicals into rivers in production countries, polluting the water that the locals drink, bathe in and wash their clothes. Moreover, synthetic materials, like the popular polyester or nylon leach chemicals (microplastics), are released into the earth, and if they're incinerated, they form carcinogenic fumes.

The textile industry affects not only the environment but also the people working there. Most of our clothes are produced in countries where the working conditions are poor. In most manufacturing countries (like Vietnam, Bangladesh, or China), the minimum wage represents only half to a fifth of the living wage.

In addition to the poor salary, the working conditions are often dangerous and unhealthy. Working without ventilation, breathing in toxic substances, and inhaling fibre dust while working in unsafe buildings are common. Accidents, fires, injuries, and disease are frequent occurrences on textile production sites.

On top of that, clothing workers regularly face mental and physical abuse. In some cases, when they fail to meet their (unreachable) daily target, they are insulted, denied breaks, or not allowed to drink water. The impact of the textile industry shows that change is necessary. Circular strategies and business models show what is already possible to accelerate this change.

Unfortunately, the increasing demand and overproduction by (ultra fast- fashion producers of textiles are very problematic for achieving a circular textiles economy. Although repairing, re-using, refurbishing and recycling are important in closing the textiles loop, the most impactful measure is to produce and use fewer textiles. A circular economy will not be achievable if the growth of (virgin) textile products will increase as expected. Hence, rigorous changes must be made to transform the linear textile industry into a circular textile value chain. The textile industry must phase out non-renewable resources and move towards renewable, regenerative inputs combined with a *just transition model*¹⁴.



“The circular economy is a system where materials never become waste and nature is regenerated. The circular economy tackles climate change and other global challenges, like biodiversity loss, waste, and pollution, by decoupling economic activity from the consumption of finite resources.”

Circular principles

Many existing textile brands are based on a linear business model. In the linear textile industry, products are deliberately designed to 'fail' and/or to 'be outdated'. The linear textile industry covers a broad range of activities through a long and global life-cycle. A simple t-shirt travels (in most cases) thousands of kilometres along the textile and fashion supply chain before it ends up in our closet. During the pre-production phase fibres are made in various ways. For instance, by growing and harvesting of natural fibres (cellulose) made from plants or animal by-products (such as wool), by extracting cellulosic fibres chemically or by sourcing synthetic fibres from monomers from fossil oil feedstocks, which are subsequently polymerised into different fibres.

Then, spinning turns the fibres into yarn, and weaving and knitting turn the yarn into fabric. The fabric can then be dyed or printed, washed, cut and sewn into garments. The final step of the production is the finishing of the garment, such as adding a coating, chemical treatment and/or bleach. Thereafter the garments will be labelled, distributed and transported to the retail stores. The items are then sold and used by customers. At end-of-life or end-of-use, the garments are mostly incinerated or sent to landfill.



The R-strategies

Circularity provides a model to transform the current linear textile model towards a circular and sustainable future. Circularity's underlying objective is that materials should be kept at their highest possible value as they move and are retained as long as possible within the textile value chain. Their revenue must be decoupled from production and resource use to successfully develop circular business models. This reduces and disconnects the use of natural resources and environmental impacts from the economic activity of the textile industry, while continuing to enable improvements in human well-being¹⁵. It requires (local) governments, businesses, and consumers to look beyond the current 'take, make and dispose' extractive model and redefine growth, focusing on positive society-wide benefits.

“Circularity’s underlying objective is that materials should be kept at their highest possible value”

A circular value chain is more complex than a linear value chain, with various loops during the lifespan of a product and is also integrated with other products' value chains. The process of producing circular is more than just recovering as many resources as possible. Every step in a circular value chain matters, from design to post-consumer usage. The R-strategy model is a great way of visualising the importance of every step. Within this model each *R-strategy* falls under a hierarchy and it is a useful tool for visualising and understanding the different stages of resource use in a circular economy¹⁶.

The ten R-strategies in the *R-strategy model* are classified under three categories that demonstrate the length of the waste loop each represents. The shorter the loop, the more sustainable the strategy is. The higher they are on the ladder, the tighter the waste loop. This means the strategy requires fewer materials and is therefore more circular. The order of the numbers indicate the order in which the strategy should be applied in the value chain¹⁷.

Table 1: R-strategies.

Influence on the loop	R-strategy	Explanation R-strategy
Narrow the loop	R0: Refuse	Prevents the use of products and raw materials in the creation phase of goods, processes and services
	R1: Rethink	Reconsider ownership, use and maintenance of products
	R2: Reduce	Decrease the use of raw materials
Slow the loop	R3: Reuse	Reuse is when a different consumer uses a discarded product that is still in good condition and is able to fulfil its original function
	R4: Repair	Maintain and repair existing products for extended use
	R5: Refurbish	Restore and improve products with a satisfactory condition for extended use
	R6: Remanufacture	Make more products with the same purpose with discarded products or parts
	R7: Repurpose	Make new products with a different purpose with discarded parts products or parts
Close the loop	R8: Recycle	Process "waste" into new products or materials that can be used for new products
	R9: Recovery	Process "waste" to recover energy

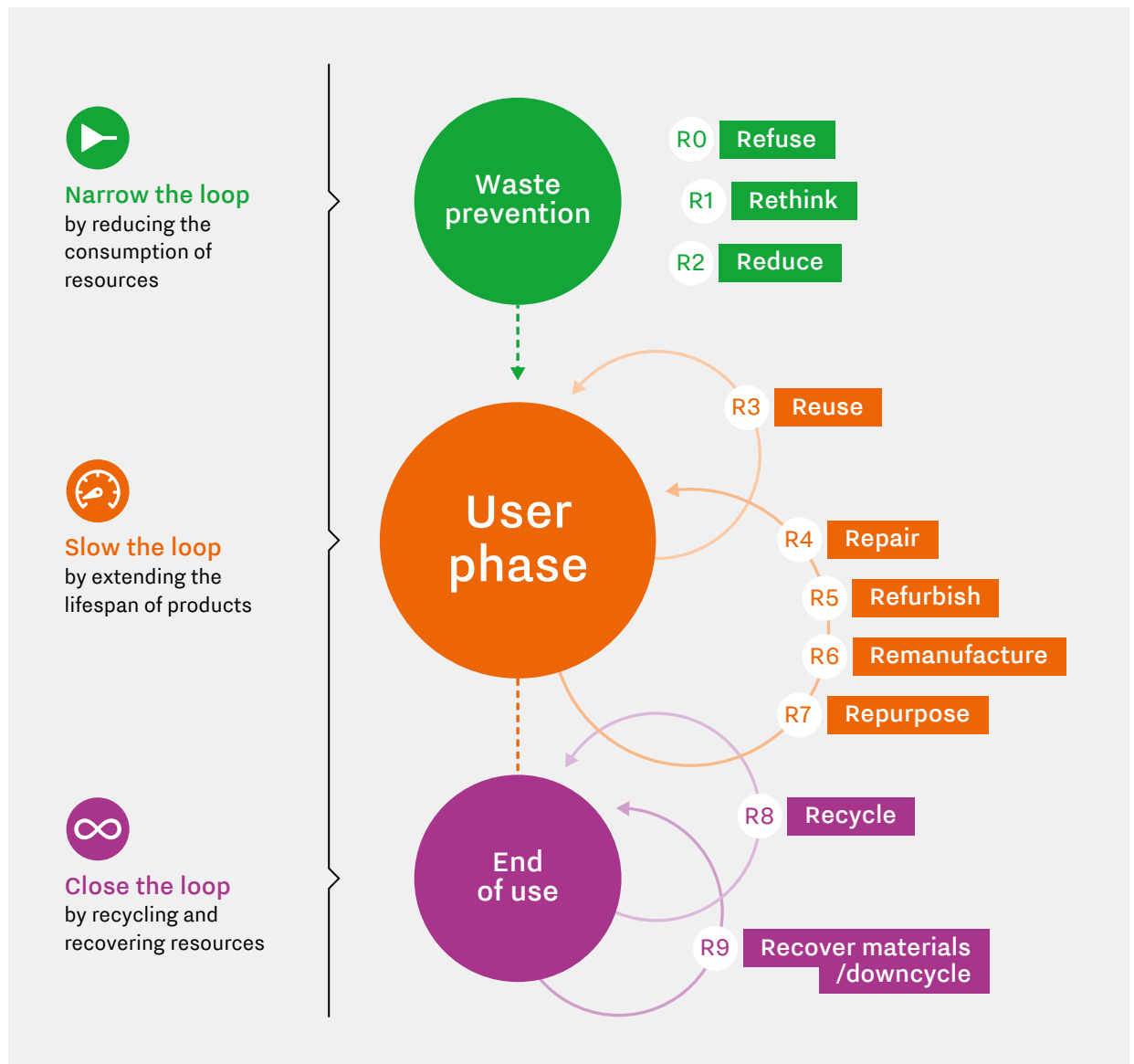


Figure 1: R-strategies.

The circular value chain

Fortunately, more governments, companies and consumers have become aware that they should change their current practices and embrace steps towards a sustainable circular value chain. As circularity comes with many challenges, we invite you to understand the circular textile value chain better. According to the Ellen McArthur Foundation (2023), circular supply chains require the following three components¹⁸:

- Distributed and interconnected networks to leverage local and global partnerships with suppliers, customers, and industry peers.
- Multidirectional flows of information, goods, and money enable data — such as an item's location, material composition, and disassembly options — to flow between network partners.
- The ability to capture and deliver value by keeping products and materials in use.

These three components illustrate that a circular supply chain is a highly connected and dynamic network. This network is generally more decentralized than a linear supply chain and is based on diverse local and global partnerships. These partnerships do not work linearly

but are multidirectional. The flows of goods and information are dynamic and exchanged between all partners within the network. Hence, data must be exchanged among partners for optimal circulation of products and materials. This also makes the relationships between partners more equal as information becomes more accessible and information exchange is a continuous process between all partners.

These components can also be applied to a circular value chain. To better understand the circular textile value chain, we distinguish eight main categories with respective subcategories, represented in Figure 2. Each (sub)category represents the stage in which textiles are processed within the circular value chain, starting with Product Design and ending with Recycling. Furthermore, the category 'Other' encompasses all types of relevant support for each (sub) category in the value chain.

Each category within this value chain is essential for a functioning circular value chain and is related to one another. We visualise the circular value chain in Figure 2 to demonstrate this relation. In the next chapter we will explore each category in more detail.



Figure 2: Textile value chain activities.

Textile value chain

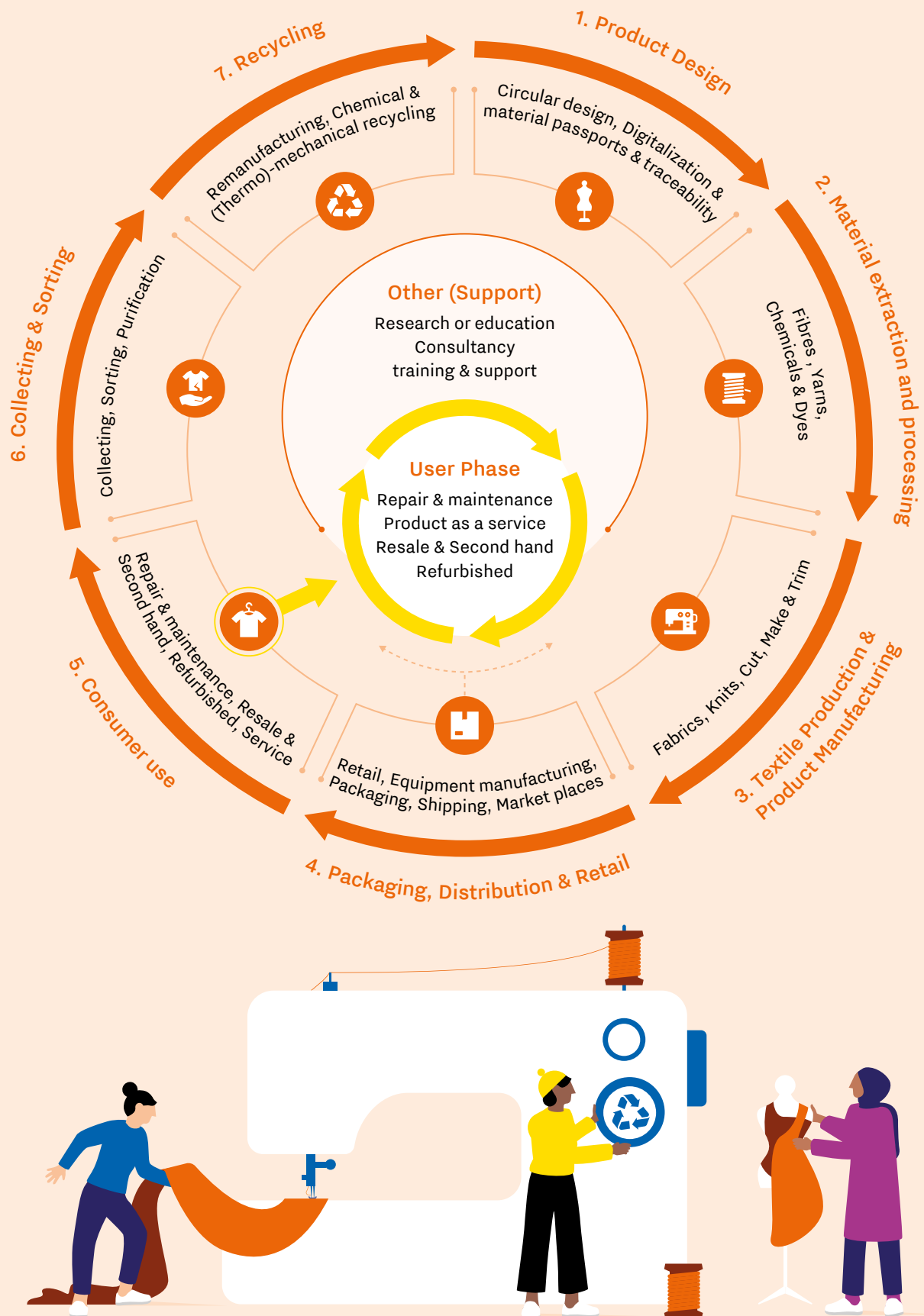


Figure 3: Representation of the circular value chain.

The principles of a circular textile value chain

1. Product design

The essential first step: circular design

For a product to be produced in circularly, it must be designed accordingly. The impact of design is very high as much of the challenge comes down to the materials our clothes are made from and inadequate technologies to recycle them. For instance, our fabrics are complex combinations of fibres, fixtures and accessories. They are made from problematic blends of natural yarns, man-made filaments, plastics, and metals, making it very difficult to sort and recycle accordingly. On average, **80%** of a product's environmental impact is determined at the design stage.

If a product is designed circularly, every circular R-strategy will be more accessible to apply during its lifespan. This implies that textile fashion brands and designers should shift their focus from the aesthetics, the end price, and the user needs to the function and the end-of-life of the product in mind.

What are circular design principles?

1. Design with a purpose. What is the function of the product?
2. Design for longevity. Design in a way that the product lasts is considered timeless and high-quality.
3. Design for resource efficiency. Use renewable materials, produced in a sustainable and fair way, with minimum (fossil) energy.
4. Design for biodegradability. Design garments with materials that are biodegradable or compostable within a reasonable timeframe.
5. Design for recyclability. Apply textile waste in new designs, but also consider products' disassembly so that they can easily be recycled.

Data, transparency and tracking

When you purchase a t-shirt, it is often written on the label in which country the t-shirt has been produced. However, the supply chain of textiles is very complex and untransparent; one shirt could include cotton from six different places and usually a shirt consists of a mix of materials. Therefore, tracing back supply chains to check for exploitation or environmental impact is notoriously difficult. Corporations need to proactively check their suppliers on the (toxic) material content, resource use, production history, recycling options and working conditions.

Fortunately, digital measurement tools, such as digital product passports and life cycle analysis technologies, can help assess products' content and the negative impacts of individual actors within the textiles industry. This also allows one to successfully disassemble textile products in a later stage of the circular value chain.





2. Material extraction & processing

The textile fibre

The production of fibres emits much CO₂. This is mainly due to outdated production techniques that waste energy. If the entire fashion world would switch tomorrow to the latest production techniques fuelled by renewable energy, it would save one billion tons of greenhouse gases per year. Additionally, by keeping overstock to a minimum, more than 150 million tons of CO₂ can be saved. Fibres are made from either natural resources or chemicals. According to *The nature of fashion*, a 2021 report published by the Biomimicry Institute, at least **60%** of textiles are currently made using fossil fuel-based synthetic¹⁹.

The most effective way of reducing the negative impact of textile fibres is to produce fewer fibres. To produce less, various R-strategies will help to keep fibres as long as possible in play, lowering the demand for raw fibre production. Starting with higher R-strategies, such as smart design and eventually post-consumer recycling techniques, the demand of raw fibre production may decrease. Alternatively, one could look at waste products from other sectors. Examples include applying recycled PET or fishing nets as alternatives to virgin petrochemical fibres.

Yarn production

Textile yarn is a strand of natural or synthetic fibres or filaments. In textile yarn, individual fibres or filaments are wound together to make threads. The process of making yarn is called spinning. Yarn can be spun by machine or by hand. Energy consumption, spinning waste, excessive noise, spindle oil and dust are the major environmental concerns of the spinning process.

Most improvements in the production of yarn can be made with optimal usage of all the materials, minimizing yarn production waste. However, reducing spinning waste and other byproducts by reintegrating them into production requires a more sustainable and circular system within the textile industry. Furthermore, circularity can be improved by extending the lifespan of yarn and by recycling textile waste and converting it into new yarns. In combination with a reduced waste stream, the energy required to produce new raw materials is saved.

Chemicals & dyes

Textile wet processing involves the pre-treatment, dyeing and finishing of the fabrics. There are many types of dyeing, such as cross-dyeing, union dyeing, and gel dyeing. All of them have their process. It is estimated that over 10 thousand different dyes and pigments are used industrially, and over 700 thousand tons of synthetic dyes are annually produced worldwide²⁰. Up to 200.000 tons of these dyes are lost to effluents every year during the dyeing and finishing operations due to the inefficiency of the dyeing process²¹. Most of these dyes escape conventional wastewater treatment processes and persist in the environment as a result of their high stability to light, temperature, water, detergents, chemicals, soap and other parameters such as bleach and perspiration. Fabric dyes and treatments are estimated to cause **20%** of all industrial water pollution.

A way of tackling these challenges is by using biodegradable and non-chemical painting methods. For instance, CO₂ technology is a water-free and process-chemical-free textile processing solution. This means there will not be any chemical waste in wastewater, and therefore, no wastewater treatment is necessary. Furthermore, various biodegradable technologies have proven to dye garments at scale by using bacteria, fungi and flowers.



3. Textile Production & Product Manufacturing

Textile Production creates the fabric, while Product Manufacturing transforms the fabric into a usable, finished item. This third stage involves weaving, knitting, cutting, sewing, and adding details or finishing touches to create a complete, market-ready product.

Fabrics and knits (weaving or wovens)

Weaving is an important step in the manufacturing process, as weaving holds the fabric together. After the spinning process is carried out, the yarns are distinguished into two forms, i.e., weft yarn and warp yarn. Different weaving treatments are provided for both of these yarns. Then, the weaving cycle starts, which includes shedding, picking, beating up, leaving off, and taking up. Weaving entails interlacing threads vertically and horizontally at the right angles to generate a textile. By changing the way threads are woven, various textile/fabric appearances are created.

By optimizing the weaving process, it is possible to minimize material waste. For example, using precise cutting techniques or 3D weaving, where the pattern is woven directly into the desired shape, companies can significantly reduce the amount of waste generated during production.

4. Packaging, distribution and retail

(Recycling) equipment manufacturing

In the textile industry, the right equipment manufacturing is necessary to reduce 'waste' in every phase of textile production. Without innovative and new (recycling) equipment manufacturing, the transition to a circular textile value chain will not be achievable. For instance, equipment manufacturing can range from highly innovative knitting machinery to advanced mechanical recycling equipment.

Packaging and labelling

Brands should consider the materials used and also the impact of packaging and labelling. So far, online retail is growing, and with that, there is an urge to change our packaging methods. Plastics are used for e-commerce mailing bags and various filler materials. Approximately 180 billion polybags are produced yearly to store, transport and protect garments, footwear and accessories. Less than **15%** of all polybags are collected for recycling²². Fortunately, many countries realise they must introduce effective measures to tackle this issue, such as a charge for plastic bags.

Another step towards circularity is to reduce and look at the reduction of the number of (returned) packages. An innovative way to do this is through body scanning, augmented reality (AR) and virtual reality (VR). These new technologies are giving consumers the possibility to experience clothes. This way, consumers will only order the items they are sure about that fit well, reducing the number of packages being sent and returned.

Transport

Naturally, close-sourcing production is a good step towards a more sustainable value chain. Furthermore, technological innovations allow logistical companies to use their transports more effectively. For instance, connecting transport requests to vehicles with empty spaces already heading in the same direction is possible. This way, transport becomes much more efficient. Another typical Dutch option is delivery by bike. Cargo Bikes are becoming more common and are widely used for last-mile delivery.

Retail

Retailers play a crucial role in achieving circularity in the textile industry by influencing consumer behaviour, implementing sustainable practices, and fostering closed-loop systems. As the primary connection between consumers and products, retailers can encourage sustainable choices by promoting recycled or responsibly sourced products and creating take-back programs that simplify textile repair and recycling.

Marketplaces and platforms

Marketplaces and (digital) platforms can create demand that supports sustainable circular consumption patterns. Examples include reselling platforms and platforms with a 'clothing library'; a system to borrow clothes and provide an extended wardrobe for every occasion. In this case, one item serves many people instead of being forgotten in one person's wardrobe. Furthermore, various platforms support and showcase how and where one can buy more circular - and sustainable clothing.

5. Consumer use

Twenty percent of the environmental impact of a garment is determined at its consumer use phase²³. At present, four main customer-facing business models keep products in use in the economy and have the potential to decouple revenue streams from production and resource use²⁴. These four categories are Rental, Resale, Repair, and Remaking and have surpassed a valuation of USD 73 billion, accounting for **3,5%** of the global fashion industry, and are expected to grow significantly²⁵:

- **Rental.** This includes one-off peer-to-peer rentals by private owners, and large-scale rental and subscription models by multi-brand platforms or individual brands.
- **Resale.** This entails peer-to-peer sales of second-hand items, third-party marketplaces, and own-brand re-commerce.
- **Repair.** This is when a faulty or broken product or component is returned to a usable state. It includes alteration and repair services on products currently owned by consumers.
- **Remaking/repurposing.** This is a process in which a new product is created from existing products or components and includes disassembling, re-dyeing, and repurposing.



Rental (Product-as-a-Service)

Instead of traditional sales, the Product-as-a-Service (PaaS) business model delivers the product's value through the integration of different service offerings. For example, with renting, sharing, leasing, subscriptions, or pay-per-use, the consumer benefits from the service without having to own a product and be responsible for maintenance. The company maintains the ownership of the product and sells 'the use of it'.

According to the Future-of-Circular-Fashion report by Fashion for Good, "Rental appears to be very attractive in higher-value segments, subscription rental has consistently strong potential, while re-commerce appears to be the most financially attractive of the models analysed."²⁶

Resale (Second hand)

With a re-commerce or resale model, the company implements a take-back scheme for clothes and resells this second-hand clothing either through a third party. Brands increasingly see the potential to centralise and formalise second-hand activities to retain profits for themselves while encouraging sustainable consumer behaviour. Also, peer-to-peer platforms are gaining popularity, which allow consumers to buy and sell peer-to-peer directly. For every cotton t-shirt that is reused, approximately 3 kg CO₂-eq is saved.

Dutch thrift stores play a key role in promoting a circular economy by focusing on reusing and recycling second-hand goods. Many stores, such as those under the 'Kringloop' label, collect donated items like clothing, furniture, and electronics, which are then repaired, refurbished, or resold. They collaborate with local governments, non-profit organisations, and waste management companies to collect reusable clothing and ensure that items that cannot be sold are recycled appropriately. This system supports environmental sustainability by extending the life cycle of products and creating local jobs and social initiatives.

Reparation

A few decades ago, our garments were locally sourced and produced. People would only buy durable clothing that could serve them for a long time. However, because of (ultra) fast fashion production, the price of a piece of clothing is very low. So, it is often more rewarding to buy new pieces of garment rather than repairing it.

Reparation for consumers to take more excellent care of their garments and extend their lifespan is likely to happen with changing consumer behaviour. Campaigns to inform the population, education in primary school for simple textile repairs, such as sewing buttons back on, and the implementation of eco-labels for textiles with a longer life-time could be considered. Also European legislations that obligate transparency



in the textile value chain are crucial. Furthermore, there is much potential for companies and brands to collaborate with repairation platforms or offer repairation consumer services. Such digital platforms allow brands and consumers to find clothing repairation centres quickly.

Remake/repurpose

Repurpose allows one to combine discarded components of textiles into a completely new or different purpose for post-consumer or left-over textiles. This strategy fosters creative and innovative products that add value²⁷. An example of repurposing is remaking used textiles into bags, pillows and furniture equipment.

The impact of washing

Washing is a form of maintenance that helps extend the lifespan of products and is, therefore, an essential step towards a circular value chain. The choices made on the frequency - and how to wash textiles are significant sustainability considerations that are often overlooked. Simply reducing the frequency we wash a garment can significantly reduce the amount of water and detergent needed. Furthermore, the proper treatment for textile products can lengthen the lifespan of textiles, reducing wear and tear, colour fading, and fabric degradation. The type of laundry detergent also matters because most commercial laundry detergents use phosphorus, which contributes to water pollution and harms water quality²⁸.

Most people need to be made aware that when they run a laundry wash with a moderate load of synthetic clothing, they also release, on average, 20 million of microfibres into the sewage water²⁹. These microfibres are very tiny, making it difficult to filter them out. For that reason, microfibres end up in the air, in house dust, and in the water, entering our food chain and even into our own bodies.

6. Collection & sorting

Collection

In Europe, about **15–20%** of disposed textiles are collected (the rest is landfilled or incinerated), of which about **50%** are downcycled, and **50%** are reused, mainly through exporting to developing countries³⁰. By 2025, all EU member states must establish systems for separate textile collection, encouraging circular practises³¹.

The challenge is to collect textile waste and ‘clean’ textile waste that can either be reused or recycled at its highest value. Additionally, one of the main challenges is that around half of the textiles end up in general waste instead of being separately collected and are thus directly incinerated. Separate collection systems allow municipalities, regions, and countries to improve their collection of clean textile waste to increase the amount of the textiles for reuse and recycling. Furthermore, take-back policies from retailers increase the likelihood of collecting clean textiles.

Sorting

Textile sorting is a crucial link in moving towards a circular economy. Due to the sorting in colour, no toxic dyes, other chemicals or water are needed in recycling processes. However, challenges remain, as manual sorting is the most effective and thus preferred method when it comes to textile sorting. The design stage is critical to enable enhanced fiber-to-fiber recycling in the industry, as most recyclers have input requirements regarding composition, sizing, colour, contaminants, and disruptors.

Currently, various sorting technologies can automatically sort large volumes of mixed post-consumer textiles by fibre type and/or colour though an infrared scanner. Once sorted, these materials become reliable

and consistent input materials for high-value textile-to-textile recyclers. Yet, these technologies need help operating on a large scale.

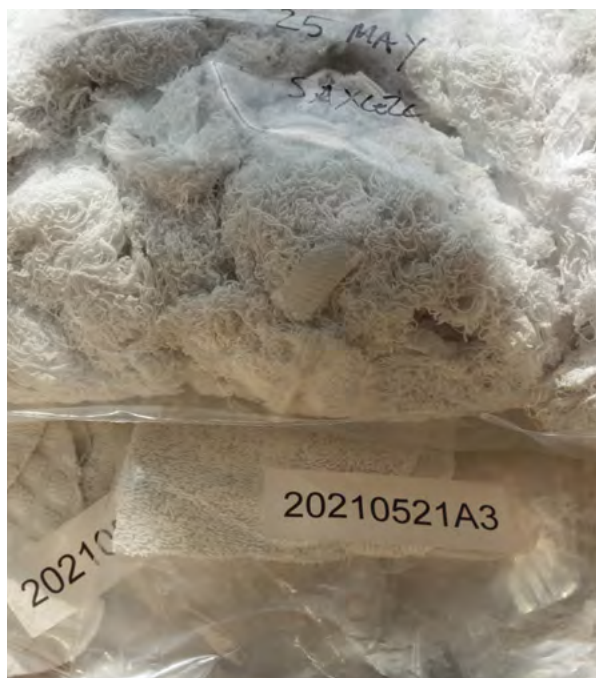
7. Recycling and recovery

Recycling

Recycling means *any recovery operation by which waste materials are reprocessed into products, materials, or substances whether for the original or other purposes*³². It includes reprocessing organic material but does not include energy recovery and reprocessing into materials to be used as fuels or for backfilling operations. Unfortunately, only less than **1%** of all textiles worldwide are estimated to be recycled into new textiles.

Although many clothing brands claim they use recycled synthetic textile fibres, most of these garments are made of recycled plastic bottles. Only around **1%** of the clothing produced is made of post-consumer recycled textile fibres³³. This shows how much progress there is yet to be made in closing the textiles loop.

Recycled textiles are often categorised as pre-production or post-production. Pre-production textiles are offcuts, selvages or rejected fabrics, or yarn from the production process. Post-production textile waste consists of any type of garments or household textiles that the consumer no longer needs because they are worn out, damaged, or have gone out of fashion. Textile recycling routes are typically classified as being either mechanical or chemical. In many cases, the recycling routes consist of a combination of the different types of processes.



Mechanical recycling

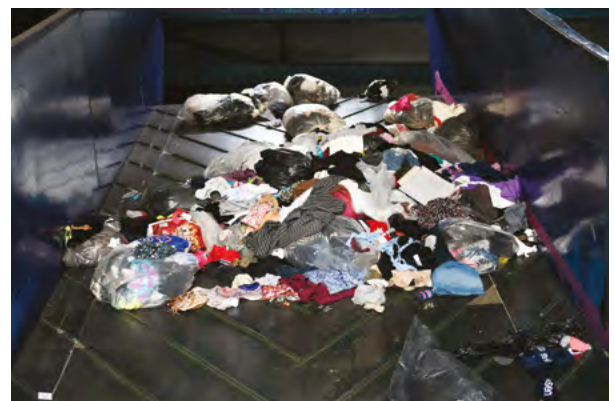
Mechanical recycling is currently the most applied recycling technique. With mechanical recycling, the textile is shredded into small pieces. The carding process extracts the fibres, which can be spun to make yarn for woven or knitted fabric. Mechanical recycling is used best for the mono-fibre cotton fabric and rarely viscose due to the fibre structure and higher fibre yield. A great benefit of mechanical recycling is the possibility to recycle a variety of raw materials. However, the fibres of mechanically recycled textiles are usually short and of low quality. As a result newly produced fibres have to be added.

Chemical recycling

Chemical recycling introduces more possibilities for producing new textiles without the addition of new fibres. Chemical recycling³⁴ is a series of chemical processes that convert high-molecular-weight polymers into low-molecular-weight substances. In contrast to mechanical recycling, the output products of chemical recycling are most often the same in quality as their virgin counterparts, with no loss in physical properties through the recycling process. However, this technology is still in development³⁵ and not applied on an industrial level. An interesting example of chemical recycling technology is the production of a regenerated manmade cellulose fibres made from used cotton textiles. These fibres are perfectly suited for making high-quality textiles such as garments or household textiles.

A circular value chain: Challenges and opportunities

As shown, realising a circular value chain is a complex process that demands technological innovations, new legislation, new infrastructure, environmentally friendly applications, and collaboration between all actors. One should look at every aspect of the value chain (R-strategy), as more is needed to improve just one link in the value chain. Many (economic) possibilities reside in the transition toward a circular value chain, yet we still have to overcome various challenges. The following chapter illustrates our Dutch vision in how we can transition towards a circular textile value chain.





Modint

Dutch textile association

The 'world-of-textiles' is fascinating, and worldwide, it is a complex production and consumption system. What counts is the positive value of the many designs and styles for clothing and the added value of textiles, but we all know and are aware of the criticism on the clothing and textile sector.

The significant, fundamental value of the planet & people is a crucial challenge for our sector. We know it cannot be accomplished in the present linear economy; thus, we must build a circular one. Many international initiatives and policies in the EU and the Netherlands drive us to become circular in 2050. We strive for sound circular business development for the Dutch sector through a circular textile transition. Considering the large number of companies, organisations, and initiatives in this Dutch Circular Textiles Guide, we might even make it the dominant business model in 2040.

All stakeholders, from brands to consumers, must start moving to accomplish that. If you continue doing what you did, you will not learn and will eventually find yourself out of business. Modint, the association of the Dutch fashion, textile and carpet industry, already expressed the ambition to foster the transition towards circularity in its 2019 Sector Plan Circular Textiles.

The sector has experienced many challenges in the journey so far. To develop circular clothing and textiles along the so-called R-strategies – in an optimal mix to bring our footprint on par with the earth's capacity – we initially depend on smaller, innovative (start-up) companies that point out the path to circularity. Big compliments to those in this Guide who take this challenge to build and scale a circular company, innovative technology, or circular textile products. But let us also focus on regular businesses that can and should take action to unlock circular production chains to develop circular products for their market. Competing with circular values in a dominant linear competitive market proves complicated. The much-requested system change means complex changes in business models.

That lesson led us to the commitment to extended producer responsibility (EPR). With the Dutch EPR-Textiles, we strive for a competitive edge for companies in cooperation with the organisations and initiatives gathered in this Guide. And - not to forget - international cooperation to create circular business opportunities and share knowledge in Europe and around the world.

We wish you much informative reading in this Guide and cooperation with the partners of your choice.

Roos Smulders, Managing Director



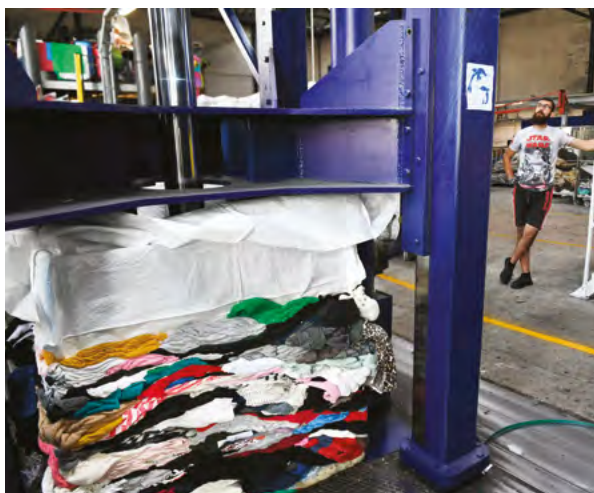
“Collaboration is key. Working with partners across the supply chain, securing buy-in from leaders and sharing knowledge creates the conditions for broader, industry-wide change. It’s time to step up the pace and scale of progress³⁶.”

The Dutch textile industry vision

Raising the bar: Our circular textile ambition

With the vision towards a fully circular economy in 2050, the Netherlands was among the first countries in the world to publish its ambition for a circular economy policy in 2016. In this government-wide programme entitled, '*A Circular Economy in the Netherlands by 2050*', the Netherlands set out various steps to transition into a circular economy. As a result of this programme, general support for a circular economy, including textiles, increased.

Subsequently, the Dutch government launched the policy on circular textiles in 2020, '*Policy programme circular textiles 2020-2025*³⁷'. In this policy programme, the Netherlands elaborated on the objectives of achieving a circular textile economy by the year 2050. The main goal of the Circular Textile Policy Programme is to promote sustainability and circularity within the textile industry. Four main objectives are described in the policy program:



1. **Promoting circular design:** The policy programme prioritizes designing textile products that are made to last longer and are easier to repair, reuse, and recycle. This includes ensuring products have a longer lifespan and can be easily disassembled for reparation services and recycling purposes.
2. **Expanding textile collection and recycling:** A key target is to increase the collection of discarded textiles. By 2025, the ambition is to recycle 30 percent of the total raw materials, materials, and products placed on the Dutch market after collection - if direct reuse is no longer possible. These targets will increase incrementally every year, in which 2030 marks the halfway point towards a circular economy. The introduction of mandatory Extended Producer Responsibility (EPR) is a critical element of the programme. The EPR makes producers accountable for the entire lifecycle of their products, including collection and recycling.
3. **Collaboration:** For instance, the programme encourages partnerships across the supply chain in a triple-helix format. These supply chain collaborations involve many actors, from research institutes and manufacturers to designers and recyclers, to foster innovation and scale up circular businesses. Furthermore, efforts are being made at a European level to establish product requirements for textiles, aiming to increase the share of post-recycled textiles in new textile products, thereby boosting the demand for recycled textiles.
4. **Influencing consumer behaviour and awareness:** Another measurement involves raising awareness for consumers. The policy focuses on promoting various conscious consumption ideas, such as refusing to buy more than you need advertisements, choosing sustainable and recycled materials and encouraging to repair and reuse textiles more often.

Extended producer responsibility

As a result of the circular textiles programme, in 2023, the Netherlands was among the first countries in Europe to implement Extended Producer Responsibility (EPR) for the textile industry. The EPR aims to reduce textile waste, increase recycling rate, and encourage using sustainable materials and circular business models. It was implemented collaboratively with the textiles sector to create momentum and support from the industry³⁸.

The EPR regulation makes producers responsible for the recycling and reuse of textiles. This means that textile producers are responsible for an appropriate collection system and for recycling and reusing clothing and household textiles. Moreover, they are responsible for financing this system to stimulate circular behaviour in the textile market. The EPR recycling and reuse targets will gradually increase and expand across the textile sector as some industries need more time to adapt. From 2026 onwards, producers must show data on the collection, reuse, and recycling of discarded textiles.

“The circular economy gives us the tools to tackle climate change and biodiversity loss together, while addressing important social needs.”

The Denim Deal 2020-2023

Another policy achievement was the realisation of the denim deal³⁹ 2020-2023. The Denim Deal was a collaboration between Dutch denim-producing brands, the Dutch government, and NGOs. The main objective of the deal was to achieve higher rates of Post-Consumer Recycled Cotton (POCR) in newly produced denim. To achieve this with the sector, the Dutch government fostered collaboration between all relevant actors – from brands, to collectors and weavers – in the denim value chain.

As a result of the denim deal, the share of denim-produced garments with at least 5% POCR increased from 8% in 2020 to 63% in 2023. Furthermore, the number of jeans produced on the Dutch market, with at least 20% POCR content, increased from 8% in 2020 to an astonishing 61% in 2023. During this period (2020-2023), participants put 2,1 million jeans with at least 20% POCR on the Dutch market and 12 million jeans in total with at least 20% POCR on international markets⁴⁰. These results show promising prospects but were only made possible through the collaborative efforts of all stakeholders across the international circular supply chain. The Denim Deal is still active, and efforts are being made to set up a denim deal 2.0 on a global level to achieve more impact in the denim industry⁴¹.

The policy programme 2025-2030

Although the Denim Deal showed positive results, achieving a circular economy is not solely based on high PCR rates. The newest step in committing and taking action for the Netherlands is the (concept) *policy programme textiles 2025-2030*. Even though the programme is yet to be approved by the end of 2024, it offers ambitious goals and a detailed plan to further transition the textile industry towards a circular industry. In contrast with the previous policy programme, the newer programme emphasizes the implementation of higher R-strategies, whilst building on previous policy goals. The new programme includes:

- The introduction of reparation and reuse targets.
- Ambitious targets for (post-consumer) recycling.
- The implementation of circular design principles.
- Improving transparency throughout the value chain and the implementation of digital product passports.
- Reducing overproduction and overconsumption.

The European Union's strategy for sustainable and Circular Textiles

Understanding the broader European textile policy is closely linked to understanding the Dutch national textile programme, as both operate within a mostly shared regulatory and sustainability framework. As a frontrunner in circular textiles, the Netherlands strives to promote high standards for the textiles industry throughout Europe by showing what is possible and investing in research and technology to create a level playing field. Hence, to better understand the national context in which we operate, discussing various key measurements of the EU strategy for sustainable and Circular Textiles is important.

The European Union launched the EU Strategy for Sustainable and Circular Textiles in 2022, which is a key pillar of the European Green Deal that provides more specific guidance on how the EU plans to transform the textile industry. Similar to the Dutch strategy, the European strategy focuses on promoting sustainability and circularity by introducing six key measurements⁴²:

1. The Ecodesign Directive. This directive involves reducing the use of hazardous substances and implementing new design rules that encourage using sustainable fibres and ensure products are more accessible to repair or recycle.
2. The Circularity and Waste Reduction involves introducing an EPR system to achieve higher recycling targets.
3. Mandatory Recycled Content and Material Transparency. This means that companies must start incorporating a percentage of recycled materials into their new products, reducing the need for virgin fibres. Furthermore, the goal is to introduce digital product passports, which will



contain essential information about a textile product's composition, recyclability, and environmental footprint to facilitate circular behaviour in the value chain further.

4. Combatting microplastic pollution. The EU is developing measures to limit microplastic pollution, including innovative washing technologies and changes in the way synthetic textiles are produced.
5. Supporting new business models and innovations, like clothing rental, reparation services, and second-hand sales.
6. Supply Chain Due Diligence and Social Sustainability. This complements *the Corporate Sustainability Due Diligence Directive* (CSDDD), which mandates that large companies ensure that human rights and environmental standards are respected across their value chains⁴³.

It is evident that the EU has been introducing various ambitious directives and legislations. At the same time, the Netherlands seeks to lead by example, pushing for more ambitious policies for the entire European market. But we need you and many ambitious (inter) national stakeholders to transition towards a circular value chain. With collaboration, we can achieve a circular textile economy.

How do we facilitate the circular transition?

Triple-helix collaborations

The Netherlands is known for being one of the circular frontrunners in Europe, particularly in the textile sector. However, progressing towards a circular textile economy is based on more than just our governmental and entrepreneurial endeavours. It is also made possible by our strong culture of collaboration (polder model) and the efforts of many actors and relevant stakeholders, especially in a triple-helix format. Together with leading companies, research institutes, regional networks, and initiatives working on innovative circular solutions, we have been able to set fundamental steps towards a circular textile economy.

These circular, triple-helix collaborations (ecosystems) are crucial in promoting successful value chain cooperation and innovations. They provide an excellent foundation for (local) circular scale-up technologies that serve as an example for other regions striving towards a circular economy in the textile sector.



The Dutch Circular Textile Valley (DCTV)

A great example is The Dutch Circular Textile Valley (DCTV), a national collaboration between regional ecosystems and frontrunners in circular textiles. The DCTV curates, stimulates, guides, and steers the most promising circular textile developments in various textile hubs (ecosystems). Furthermore, it supports knowledge sharing, the creation of collaborations and ensure advocacy.

The DCTV is structured around a close network of five Dutch textile ecosystems: the Metropolitan region of Amsterdam, Region Twente, Region Arnhem, Province of Brabant, and the Metropolitan region of Rotterdam. Each region has a unique circular textile ecosystem to ensure complementarity.

These regional ecosystems consist of collaborations between local and regional governments, educational- and research institutes, the private sector, and societal institutes or civil collaborations. They organise regional meetups, information and knowledge-sharing events, support for individual innovative organisations, or consortia of frontrunners. Furthermore, the regions exchange knowledge and insights, set priorities and define joint activities.

At a national level, DCTV coordinates initiatives for the broader ecosystem:

- Community meetups: learn, share, and connect.
- The initiation of coalitions on a wide variety of topics furthers the transition.
- Support for frontrunners to scale: advocacy, stimulation of demand, coaching, or access to finance.
- Steer funding towards the industry.

Amsterdam Trade & Innovate

Amsterdam Trade & Innovate, as part of the City of Amsterdam's economic development division, is dedicated to helping innovative companies from the Amsterdam Metropolitan Area (MRA) achieve their international growth ambitions. By connecting entrepreneurs and innovations with global business opportunities, the organisation actively supports circular textile start-ups and scale-ups to expand their global reach and increase their impact.

The MRA is a hub for circular textiles and sustainable fashion, accounting for 25% of the Dutch textile industry. With over 2,200 businesses and 20,000 jobs in this sector, the region boasts a unique and strong ecosystem of fashion brands, textile companies, circular designers, creative entrepreneurs, and innovators in circular economy solutions. This ecosystem is bolstered by a strong foundation of knowledge institutions and organisations dedicated to sustainability, creating fertile ground for innovation and collaboration in future-proof fashion and textile solutions.

The MRA ecosystem focuses on two key priorities: Circular Aesthetics to drive sustainable design and High-Quality Recycling to advance textile collection and processing. Renowned for its digital solutions and technological innovation, the region leads in advanced textile recycling technologies, data-driven material tracking, and circular design platforms. These priorities are enhanced through collaborative efforts among designers, tech companies, and research institutions. Initiatives like the Green Deal Circular Textiles and the work of organisations such as Fashion for Good, Textile Lab Amsterdam, and Denim City further strengthen the ecosystem.

With these combined efforts, the MRA aims to achieve a 70% circular textile sector by 2030, reinforcing its role as a global leader in circular textiles, sustainable fashion innovation and circular economy solutions.

East Netherlands Development Agency

The textile cluster in East Netherlands focuses on promoting sustainable and circular value chains within the textile industry. Through the roadmap for sustainable textiles in East Netherlands, an ecosystem is created in which producers, designers, knowledge institutions, and sorters collaborate to build a circular textile chain. The cluster emphasizes both technological and biological cycles, driving innovation in areas such as automated textile sorting processes, the use of biobased materials, and the development of new recycling and spinning technologies.

One key instrument in the regional approach is participation in international collaborations, such as the RegioGreenTex project and the Interreg NSR CEO program, which foster the development of circular business models. The innovation potential lies in developing and scaling technologies for textile sorting, processing natural fibres, and locally spinning and weaving yarns. The ultimate goal is to establish closed, circular textile value chains and strengthen the local manufacturing industry.

The importance of regional ecosystems

As we have demonstrated, regional textile ecosystems, especially in a triple-helix composition, are pivotal in establishing fundamental steps toward a circular textile economy. The endeavours of these regional textile hubs and local networks are an essential ingredient for innovative and scalable circular solutions, creating the circular economy. Moreover, these regions have various thriving ecosystems, technologies, and business opportunities. By leveraging these local strengths and setting up international collaborations, we believe that these regions can accelerate the transition to a circular textile economy on a global scale.



An overview of the Dutch circular ecosystem

Circular textile categories



Number of companies

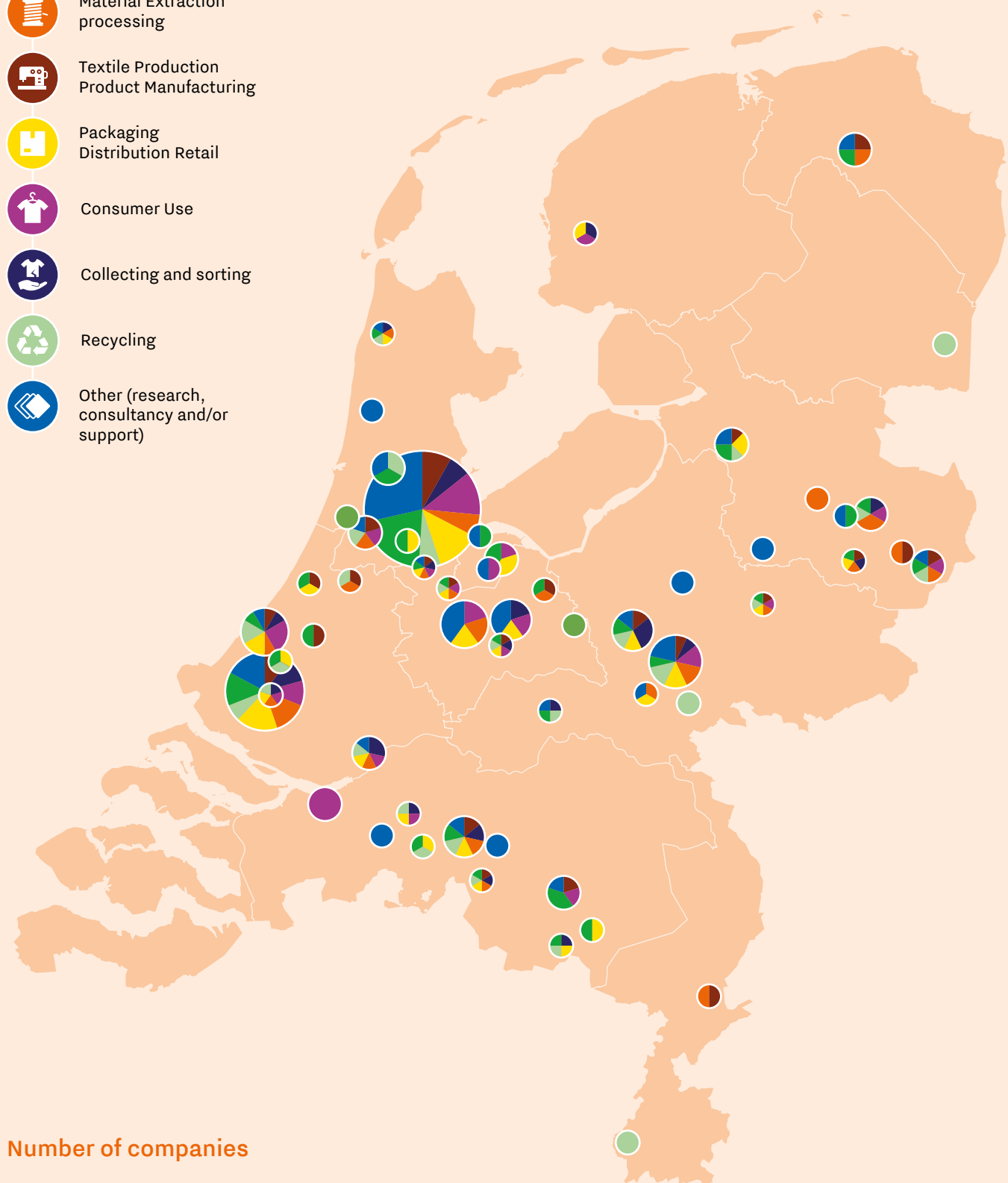
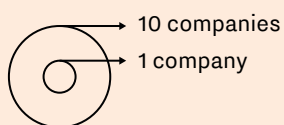


Figure 4: An overview of the Dutch Circular textile ecosystem, based on organisational applications.



Why would you work together with the Netherlands for a circular transition?

The Netherlands is an innovative frontrunner in the circular textile industry. This is mainly due to governmental – and practical knowledge, knowledge institutions, and highly innovative textile companies. With a strong focus on regional ecosystems, we understand how one can start their circular journey, whether on a local, regional, or at (inter)national scale. Moreover, we are willing to share our knowledge and expertise to facilitate the circular transition. We encourage everyone to act and show five reasons why you should work with the Netherlands.



1. Quality and reliability.

We combine first-class technical expertise and innovative strength with a commitment to delivering high-quality, reliable products and solutions. Working with Dutch technology means ensuring compliance with the highest (European and international) standards.

2. The highly innovative character of our industry.

Our textile sector is characterized by its highly innovative performance. We possess the knowledge and expertise in our textile clusters, from circular design technologies and bio-dyeing innovations to sorting and recycling technologies.

3. Stakeholder participation.

To share the Dutch success story outside our country, the government works closely with various stakeholders, from companies, knowledge institutions and civil society. Together, we can make the circular economy work.

4. Joint innovation.

We strive to create flexible, fast-moving networks of specialist companies and research institutes, and we are proud of our circular ecosystems, where such networks flourish. Moreover, we translate fundamental research into innovative solutions and test them in real-life pilot environments.

5. Our collaborative character.

We have been doing business abroad for centuries and understand what it takes to work successfully across borders and cultures. We know how to unite relevant stakeholders inside and outside the Netherlands and establish meaningful relationships.

Dutch Circular Textiles Expertise

Are you looking for specific expertise or technological solutions? In this section, over one hundred organisations introduce themselves and are labelled by their role in the circular textiles value chain. We catalogue each organisation in the eight categories we identified on page 14, figure 2. Consult the table on the next pages and use that as an opportunity to identify possible partners in your future endeavours!

Organisation profiles

Name of organisation	Product Design	Material Extraction & processing	Textile Production & Product Manufacturing	Packaging, Distribution & Retail	Consumer Use	Collecting and sorting	Recycling	Support: Research and consultancy	Pagenumber
Atelier Jungles	●		●		●		●		38
Atelier MADE HERE			●		●		●		38
Aware™	●								39
bAwear BV	●							●	39
Bemontex bv	●	●	●	●	●		●		40
Billie Wonder BV	●				●				40
Blue loop	●	●	●	●		●			41
Boer Group		●		●	●	●	●	●	41
Brightfiber Textiles B.V.	●	●	●		●	●	●	●	42
Bureau Brems	●							●	42
Byewaste BV				●	●	●			43
Candour.Digital B.V.	●							●	43
Cellicon		●					●		44
Centre of Expertise Wellbeing Economy & New Entrepreneurship, Avans University of Applied Sciences								●	44
Cibutex						●		●	45
Circle Economy								●	45
Circotex B.V.		●			●		●		46
Circular Textile Days BV								●	46
Cirtex	●					●	●	●	47
Clean & Unique				●				●	47
ClubHub - by Circular Sports BV	●			●		●			48
COSH! Conscious Shopping Made Easy				●				●	48
Cradle to Cradle Products Innovation Institute								●	49
CuRe Technology B.V.							●		49
Curitas						●			50
De Steek	●		●		●		●	●	50
Denim Deal								●	51
Dobbi					●			●	51
Dutch Yarnery		●		●				●	52
DyeCoo Textile Systems B.V.			●						52
Ecological Textiles		●	●						53
EE Labels	●			●					53
Enschede Textielstad	●		●		●			●	54
Erasmus University Rotterdam								●	54
Ermapa				●				●	55
Erren Recondition BV				●	●	●	●		55
Euro Used Clothing						●			56
fabriCreation								●	56
Fabriek Fris	●		●				●	●	57
Fabulous Fungi	●	●							57
Fashion Tech Farm	●				●			●	58

Name of organisation	Product Design	Material Extraction & processing	Textile Production & Product Manufacturing	Packaging, Distribution & Retail	Consumer Use	Collecting and sorting	Recycling	Support: Research and consultancy	Pagenumber
Fashion to Fiber				●		●			58
Feelou	●								59
Fibershed NL								●	59
Frankenhuis BV		●			●	●	●		60
Gebotex						●			60
GREAT UP	●						●		61
GS1 Netherlands	●			●					61
HESTAS	●			●			●		62
Holland Circular Hotspot								●	62
Hollands Wol Collectief		●		●				●	63
House of Design								●	63
HTEX B.V.							●		64
Hul le Kes - Arnheim Fashion Group	●			●	●			●	64
i-did		●		●			●		65
Interface	●								65
Jennifer de Bruyckère/ Weird Fishes	●		●	●					66
katoenfabriek vof		●							66
Klopman-TDV Industries		●	●				●		67
Lautratex B.V.	●		●						67
LAZE	●			●					68
Manufy - Circular Innovations BV				●				●	68
Marbo Used Clothing						●			69
MENED				●	●				69
Míramé & Riverfashion	●	●	●	●	●		●		70
Moda en Verde								●	70
Modint								●	71
MUD Jeans	●			●	●				71
MYCOTEX by NEFFA	●	●	●						72
Naaierij					●			●	72
NEW TAILOR				●	●				73
New Weave	●		●						73
NewTexEco Research Community								●	74
Pakkethelden				●					74
Permess BV		●	●						75
Plant Partner		●		●	●	●	●		75
Ragnarøk	●		●	●			●	●	76
ReBlend		●	●		●				76
Recommerce Apparel Solutions (RAS)				●	●	●			77
Renoon Tech BV	●								77
Rethink Fashion								●	78
RethinkRebels BV								●	78
RietGoed	●	●	●					●	79
Route Circulaire								●	79
SaXcell BV		●					●		80
Schijvens Corporate Fashion	●	●	●	●		●	●		80
Schmits Chemical Solutions	●	●							81

Name of organisation	Product Design	Material Extraction & processing	Textile Production & Product Manufacturing	Packaging, Distribution & Retail	Consumer Use	Collecting and sorting	Recycling	Support: Research and consultancy	Pagenumber
Sock Source by Vodde b.v.		●	●	●		●	●		81
Spinning Jenny		●							82
Stichting Collectief Circulair Textiel								●	82
Stichting Leger des Heils ReShare				●	●	●	●		83
Stichting Producentenorganisatie UPV Textiel						●		●	83
Studio Haering	●		●			●	●		84
Studio Wae	●		●	●	●	●	●		84
Tardis Vintage				●	●	●			85
tex.tracer	●								85
TEXroad Foundation	●			●				●	86
Textielmakers	●	●	●		●		●		86
Textile4Ever BV							●		87
TextileLab Amsterdam Waag Futurelab	●							●	87
The Knitwit Stable	●	●	●	●	●	●		●	88
The Linen Project		●	●					●	88
TNO	●	●		●		●	●	●	89
Tricorp	●			●			●		89
United Repair Centre					●				90
Waardeer je kleren								●	90
Wear2Go B.V.,	●			●		●	●		91
Wolkat	●	●	●	●		●	●	●	91
Zeefier		●							92
ZONklaar B.V.				●	●	●			92

Atelier Jungles

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ATELIER Jungles

Atelier Jungles helps companies make a sustainable and social impact by reducing textile waste, encouraging reuse and high-quality recycling and upcycling of (used) materials to achieve sustainability goals in a creative way.

In this way of sustainable entrepreneurship, an institution or company can combine the purchase of promotional or employee gifts or planned expenses such as interior/art or company clothing with the processing of old waste streams, an advantage for both the environment and the wallet.

From a creative concept, the team in our studio makes new items such as merchandise, clothing, hats, bags, laptop covers, or even art for the wall. This makes an impression on external stakeholders and products with a logo and

corporate identity are recognizable and valuable to customers and staff.

Our team consists of candidates from the target group register, who are seen as disadvantaged on the labor market (unemployment benefit origin). Through the orders from our customers, we create employment and learning opportunities for this specific target group and corporate social responsibility is central.

Atelier Jungles helps you think about a design that meets the wishes of the specific customer. Always tailor-made. Together we look at the options in terms of materials, style, color and design. We have worked with a diverse palette of organizations like RDW, Swapfiets, Deliveroo, Impactfest, ID&T and many more.

Organization profiles



Atelier MADE HERE

Ytha Kempkes
Strekkerweg 51
1033 DA Amsterdam

+ 31 6 27 06 44 40
www.ateliermadehere.nl
info@ateliermadehere.nl



atelier MADE HERE

Atelier MADE HERE is a textile atelier located in Amsterdam. We make high-quality clothing and textile products. We change the textile industry by producing made-to-order and by upcycling for our brand partners. By doing so we create jobs in the circular textile industry where makers are valued.

We create slow fashion here in the Netherlands; timeless designs from our regular partners for whom we work with the made-to-order model. This way, there is never any unsold stock and the associated waste of materials.

We also produce for brands that work with upcycling: reusing residual materials and existing garments to make new valuable textile items. This means fewer virgin materials are needed, the amount of waste is reduced and the lifespan

of products is extended, which contributes to a more sustainable living environment.

Atelier MADE HERE wants to do justice to the makers in the textile industry. The makers who have the craftsmanship, which ensures the high quality of process and result. And the makers who are distanced to the Dutch labour market, for whom we create jobs because we appreciate what they can do. Together we deliver sustainable value as a result of dedication, pride and passion for the profession. And the power of craftsmanship is that the story behind the product and the maker is included.

In a nutshell: We create circular clothes and accessories to love, knowing that loved items will last.

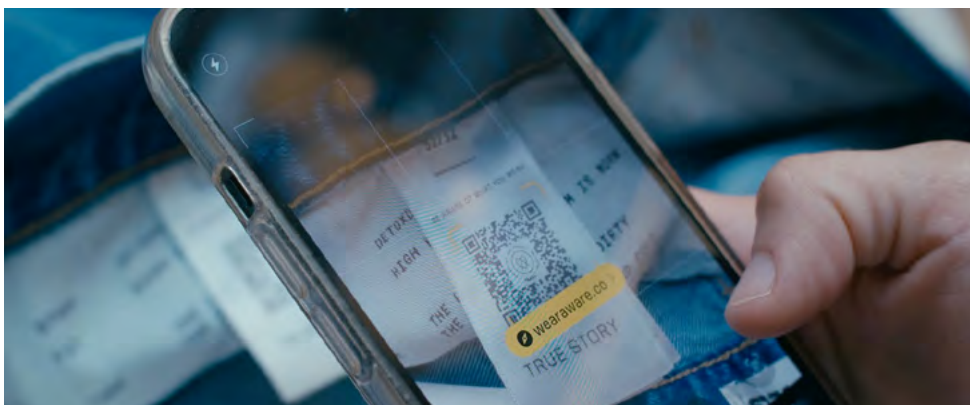
Organization profiles



Aware

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Product producers deserve the power to prove their sustainability claims and build trust with their clients. Yet, when backtracking fragmented data across a complex supply chain, they are often left with semi-trustworthy information at best, constantly facing liability and the risk of losing clients despite their best efforts.

Join Aware™ as we move from speculation to verification, and take the initiative with your clients by proving every step of your product's journey with proof-over-promise traceability

Aware™ was born from the belief that you should be able to deliver an end-to-end chain of proof with minimal effort. Therefore, we move from speculation to verification with Aware™'s next-generation traceability solution: live tracking and verifying every step, automatically building DDPS as the product moves through the supply chain. This makes it possible for producers to provide 100% provable and real-verified data that others claim to offer, but don't.

Organization profiles



bAwear Score

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bAwear Score is a comprehensive and user-friendly tool for calculating the environmental impact of textile products, from fashion to workwear. Their solution is designed to enable any business in the textile industry to access product-level sustainability data through streamlined Life Cycle Assessments (LCA). From raw materials to end-of-life, making it easier to identify hotspots, and integrate sustainability practices into production and sourcing processes. By leveraging over 200 predefined product scenarios, bAwear enables companies to quickly calculate and compare the impacts of various product types, saving valuable time and resources.

ensures that the environmental assessments delivered are scientifically robust and meet the highest standards.

Businesses can also use bAwear to enhance their sustainability reporting, offering clear metrics for environmental performance that can be shared with stakeholders, partners, and customers. Whether companies need data for internal sustainability initiatives or compliance with international regulations such as CSRD, DPP or PEF, bAwear's solutions make the process more efficient and manageable.

bAwear stands out by utilizing the established expertise of SimaPro, a globally recognized leader in LCA software, to provide reliable and actionable data. By integrating with SimaPro, bAwear

Overall, bAwear streamlines the complexities of textile impact assessment, offering the industry a practical tool for accelerating the shift toward a more sustainable future.

Organization profiles



Bemontex bv
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Bemontex BV is a family business that has been in the textile business for over 50 years. We are specialists in outdoor and sports clothing for our own label or with our own brand Life-Line.

We help retailers within the clothing industry to grow measurably in turnover and impact. What makes us special?

- We help solve one of the biggest problems within the clothing industry, namely the truly sustainable and transparent production of outdoor clothing.
- We do this by deploying a new system with transparent production control in India from cotton farmer to factory.
- With which you can activate a number of important advantages yourself. The advantage is that you can make a measurable difference in your CO₂ emissions, it guarantees truly

sustainable cultivation of cotton without much water consumption and 100% transparent work with cotton farmers that you will meet yourself.

- Which means that your buyer can really make a difference to the consumer, to the planet and to all Indian women with whom this system works.
- Why? ... we do all this because we are against green-washing and people-washing.

Organization profiles



Billie Wonder BV
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Billie Wonder was born out of a simple but profound realization by founder Steef Fleur: disposable diapers create vast amounts of non-recyclable waste, and parents deserve a better option for both their children and the planet. Steef's journey began in 2015, inspired by the natural look of cloth diapers during a visit to Northern California hemp growers. In 2020, she launched Billie Wonder, offering sustainable, washable diapers made from premium hemp and organic cotton.

The innovative 3-layer system includes a water-resistant wrap and highly absorbent inserts, ensuring clean hands and comfort for babies. These diapers save up to 21kg of landfill waste per child per month, help parents save up to € 1250 per child, and accelerate potty training.

The company's commitment extends to its "Goed Luieren" program, which supports businesses like daycare centers and hospitals in adopting washable diapers. This initiative provides a complete service, including washing and logistics, drastically reducing operational waste and costs while ensuring minimal disruption to workflows.

Billie Wonder strives for ethical, sustainable production with every diaper made under high standards, minimizing environmental impact. With a focus on nurturing "tiny changemakers," Billie Wonder empowers parents and organizations to make choices that benefit both their children, wallet and the planet.

Organization profiles



Blue loop

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Blue LOOP Originals is a pioneering Dutch brand committed to sustainability through circular principles and innovative recycling practices. Since 2011, the company has turned waste materials into high-quality products, making it a hub for creativity and eco-friendly solutions in the textile industry.

Their innovative product lineup includes:

- **The world's first recycled denim tent**, designed for festival-goers, turning worn-out jeans into functional outdoor gear.
- **Washable wool knitwear**, offering eco-friendly outdoor knitwear that remains durable
- **Circular designed outerwear**, featuring biodegradable, 100% biobased, and PFAS-free DWR coatings for sustainable performance.

- **Zero plastic workwear**, delivering high performance without the environmental impact of polyester.
- **Yarns made from Saxcel**, a regenerated fiber that transforms waste into premium textiles.
- **Travel gear from old festival tents**, emphasizing their mission to repurpose hard-to-recycle materials into stylish, functional items.
- **Footwear innovations**, partnering with Fast-footgrinded to create sustainable footwear, reducing waste in the shoe industry.

Blue LOOP Originals invites retailers, consumers, organizations, and educational institutions to collaborate in their recycling efforts, promoting a more sustainable future for fashion and textiles through circular economy principles.

Organization profiles



Boer Group

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Boer Group is the Europe-wide leading organization for textile reuse and recycling. For over 100 years the family-owned business is continually working on sustainable ways to keep residual textile waste to a minimum. Boer Group has several collection and sorting companies for discarded textiles located in the Netherlands, Belgium, France and Germany as well as a mechanical recycling facility for textiles that cannot be reused. We strive to tailor the way towards a full circular textile industry by increasing the amount of textiles to be reused and ensuring through innovation that textiles are processed into new raw materials.

00% circular and super sustainable end2end solutions.

Organization profiles



Brightfiber Textiles B.V.

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BRIGHT.FIBER® INSIDE

Brightfiber Textiles is the first 100% circular textile producer. We produce fully automatically and sort, clean material and process local old clothes into bright new fibers in our own circular factory in Amsterdam. We work together with our trusted closed loop partners in Europe and Turkey on yarns, fabrics and end-products. The past 2-5 years we developed our own 100% circular stock yarn collections in different compositions and in beautiful, contemporary and seasonal colors. We produce made to order new circular yarns, fabrics and designs for within your collection. We offer a 360 degree circular service, from collection and material analysis, to take back of your return stream and produce a circular end product for your company. Because we re-use materials and colors and blend with sustainable materials we do not exhaust the resources of our planet, we do not use water in our process and we use a minimum of

chemicals and dyestuff. As a result we offer 100% circular and super sustainable end2end solutions.

ANWB

We take-back material from ANWB stores and produce a circular collection from old local material into brand new sweaters and t-shirts for the 'Human Nature' collection of ANWB.

Exota | King Louie

We did a material collection analysis for Exota - an Amsterdam Fashion Brand selling their to over 900 retailstores in Europe. Together we developed a super fine yarn and 3 new circular knitwear collections in beautiful colors.

Organization profiles



Bureau Brems

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BUREAU BREMS s|c

Bureau Brems was founded in 2016 as a consultancy, with the vision that the combination of know-how, the use of automated systems and data in the total supply chain can drive sustainability, circularity and the future of fashion and textiles. From circular design processes to on demand production to the consumer and further.

New insights and workflows in combination of simple but big data resources lead to better decisions and more impact. Like better profit balance, while lowering stock levels. Less stock leads to better use of materials and resources. We mix old fashioned business KPI's with new insights and relevant impact goals. Generating data into easy to understand conclusions, forecasts and dashboards on which clients can make operational, tactical and strategical plans.

Bureau Brems mentors design, product development and buying teams for fashion brands, wholesale and retail. With a firm knowledge of the business and which changes can be made on short and long term for the best result. Not only in The Netherlands, but also abroad, like for the EU/Worth, Bureau Brems coaches multi country and disciplinary design projects to realize their concept idea into a tangible working business.

Organization profiles



Byewaste BV

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Byewaste's Circular Solution for Reuse, Repair and Recycling of Consumer Goods

Byewaste makes it easy for citizens to do good by offering a convenient, door-to-door collection service for second-hand clothes, but also books, electronics, and toys. Through our app, scheduling a pickup is simple, ensuring that unwanted goods are repurposed.

Beyond convenience, Byewaste generates positive social and environmental impacts. Partnering with social enterprises, we create jobs for individuals distanced from the labour market, directly supporting local communities. At the same time, we extend the lifespan of consumer goods which reduces carbon emissions and resource consumption.

Key Features:

- **Convenience:** Schedule collections easily via

our app for unused clothes, books, electronics, and toys.

- **Environmental Impact:** Keeping products in play reduces carbon footprints and conserves resources.
- **Social Impact:** Collaborating with social enterprises creates meaningful jobs and supports local communities.
- **Flexibility:** We can add new item categories on the app depending on the value chain partners we work with.
- **Data-Driven:** Our technology provides detailed environmental insights, ensuring transparent sustainability reporting.

By 2025, we aim to expand across the Netherlands, building a circular future for second-hand consumer goods with both social and environmental benefits.

Organization profiles



Candour.Digital B.V.

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We are Candour.Digital, a forward-thinking fashion-tech startup operating at the intersection of circularity and digitalization. We exist because we believe in improving lives through circularity, for which we develop cutting-edge digital solutions that aim to enable Circular Commerce at scale.

Our mission is to accelerate the circular transition by collaborating with front-running retailers and pioneering brands. Together, we work on groundbreaking concepts that utilize digital product passports (DPP) and blockchain technology to push the boundaries of our circular imagination.

In our work with Amsterdam-based fashion brand New Optimist, we were the first to enable a digital deposit system (statiegeld) on clothing. The system, powered by our connected products

platform 'Circulaid', acts as a reliable take-back system for circular products, giving brands more control over their return logistics, while incentivizing consumers to actively participate in their circular product's lifecycles.

Our area of expertise focuses on operations and circular supply chain management, where we challenge industry leaders to think beyond compliance to capture the true potential of the circular economy.

Organization profiles



Cellicon

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CELLiCON is committed to a bio-based economy in which biomass can be used to make high-quality materials and chemicals. CELLiCON does this by innovating in the field of technology. CELLiCON's proprietary G2 technology creates valuable grades of micro and nanocellulose from cellulose-containing feedstocks, such as biomass and textile waste. The innovative process is based on simple molten salt hydrates, operating energy efficiently at low temperatures resulting in low operating costs.

The chemically robust properties of the solvent mean that it can be recycled with minimal losses, giving an advantage when scaling up.

Organization profiles



Centre of Expertise Wellbeing Economy & New Entrepreneurship, Avans University of Applied Sciences

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Centre of Expertise Brede Welvaart & Nieuw Ondernemerschap

Powered by **avans**

The Centre of Expertise Wellbeing Economy & New Entrepreneurship of Avans aspires a sustainable future for everyone. Our researchers collaborate with diverse partners -education, business, government, society, environment- on practice-oriented research.

Supply chains in the textile sector are fragmented and organisations operate within a linear model prioritising financial gains over responsibility, leading to social and ecological injustice. In recognition of the need for a circular textile sector, the research program 'Collaborate to Regenerate' of the Professorship 'Economy in Common' unravels system-interconnections, focusing on collaboration as leverage for system transformation. We believe that the success of circular transformation is closely tied to supply

chains' ability to provide responsible, respectful and regenerative practices.

In our Living Lab 'Circular Textile', we foster experimentation and co-creation to advance knowledge and solutions for circular textile challenges. In project like 'CircularCottonCascade' and 'Cotton in Common', together with a consortium of 12 Indian and Dutch companies, we took on the challenge to reuse and (re)value cotton multiple times to ultimately return cotton safely to the soil as nutrition. In the 'Collective Value Chain of Local Linen' we collaborate with 5 partners in agriculture, production and retail to develop collaborative business models, wherein partners do justice to the whole collective while creating positive impact.

Organization profiles



Cibutex

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Cibutex is an independent facilitator in the world of business textiles. We are building a cooperating network of companies that share our ambition to make the production, use and recycling of business textiles circular. We take action to reduce the input of natural resources and diminish the amount of useless waste. The most effective way of doing this is by reusing, repurposing or recycling the end-of-life textiles our industry produces.

Everything Cibutex does is aimed at the transition from linear to circular. Driven by vision and ambition, supported by legislation on national and international level.

Cibutex has a voice and a role in national and international textile associations. We actively initiate and contribute to smart and innovative pilot and research projects. We provide consultancy: we share the combined expertise and knowledge from our network to stimulate circularity and to raise awareness of the issues at hand

Organization profiles



Circle Economy

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Circle Economy is a global impact organisation with an international team of passionate experts based in Amsterdam. We empower industries, cities and nations with practical and scalable solutions to put the circular economy into action. Our vision is an economic system that ensures the planet, and all people can thrive. To avoid climate breakdown, our goal is to double global circularity by 2032.

Circle Economy's Textiles Programme aims to collectively reimagine and redesign our systems to ensure a fair and regenerative textile industry by reducing the textiles waste mountain and enabling the data, technology and infrastructure needed to valorise textile waste at scale.

We build on a decade of experience in circular textiles, working with actors from across the value chain: we trained fashion brands on circularity and supported them in defining their circularity strategies, mapped post-consumer textile flows and assessed their circular potential at global, national and local level, established partnerships with knowledge institutes and producer organisations in in global textile hubs to deliver capacity building activities to textile and garment manufacturers.

Organization profiles



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Approximately 20% of global clean water pollution is caused by dyes and textile finishing products. We started Circotex in 2022 because we felt a strong sense of responsibility to transform the existing polluting water-dyeing process creating the cleanest, circular and sustainable dyehouse of the future in Europe.

The Circotex factory started in the Netherlands with a unique water free CO2 dyeing technology and uses state of the art water free pre- and post-treatments. We have created a demo factory for new technologies.

We do not use additional chemicals for dyeing, we only use pure dyes with an efficiency of 99,5%. We strive to maximize energy and heat recovery and use renewable energy as much as possible, the CO2 is re-used for 95% per batch. We create

only minimal waste, captured and easy to treat as light chemical waste.

In our CO2 polyester dyeing process, we save per machine up to 100mio. liters of water per year and 130.000 kg/year chemical saving per machine. We consume less energy and there is no water intake or water disposal needed, which creates a freedom of choice for a suitable clean and safe production location

Our focus markets are the European automotive industry for yarn and fabrics, manufacturing car seats and headliner fabrics in long running series. European workwear/fashion with a focus on textile and upholstery production and garments long running items. We have successfully tested the dyeing of special products like new fibers, re-dye of recycled yarn.

Organization profiles



Circular Textile Days BV
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The Circular Textile Days is a business event that offers a great opportunity for meeting new partners in the sustainable textile business and for discovering and discussing innovative circular textile solutions.

A broad selection of international companies and institutes show their new sustainable, circular solutions. The entire textile-chain is present, from recycled yarn to eco-design garments, reusing materials and high-tech recycling. Visitors are expected from various textile industry segments, from B2B end-users to fashion brands, retailers, educators and students.

We have a speaker line-up with interesting and representative people who are informative and inspirational to strengthen our mission of circular textile. Topics that for example might be included for the second edition are the NTA 8195 on Circular Textile, the EPR (or UPV in Dutch), Corporate Sustainability Reporting Directive (CRSD), LCA's, biobased materials and the facts of recycling materials like polyester, polyamide and cotton.

Circular Textile Days aims to be the future platform for talks, discussions, presentations and sharing innovative ideas.

Organization profiles



Cirtex

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CIRTEX is a joint initiative launched in 2021 by Avri, Werkzaam Rivierenland, and 2Switch, located in Tiel, Netherlands. Our mission is to extend the life of textiles through innovative recycling practices and to support community integration and employment opportunities.

We convert over 1.8 million kilograms of textiles collected annually from Rivierenland into valuable resources. Wearable textiles are sold at 2Switch's local thrift shops, promoting sustainable consumption, while non-wearable textiles are transformed by our partners into useful products like industrial felts, acoustic panels, and eco-friendly furniture, thus minimizing our environmental impact.

CIRTEX is dedicated to inclusivity, offering training and employment for individuals facing barriers to the workforce. In partnership with

Werkzaam Rivierenland, we not only recycle textiles but also provide a supportive work environment that helps individuals thrive.

Our projects highlight the effectiveness of circular strategies in the textile sector, illustrating how practices that focus on community and environmental consciousness can lead to significant social and economic benefits. By committing to circular principles, CIRTEX is helping to forge a fully sustainable future for Rivierenland, ensuring that textiles maintain their value.

CIRTEX represents innovation and community spirit, advancing our goal to turn textile waste into valuable resources, while promoting inclusivity and sustainability within the industry.



Organization profiles



Clean & Unique

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**clean
& unique**

SIMPLIFYING SUSTAINABILITY



Clean & Unique is a leading online and offline platform connecting sustainable fashion brands, designers, experts, and suppliers. It offers a space for collaboration, empowering designers and brands to create unique, sustainable and circular products. With support from experts and suppliers, Clean & Unique helps guide businesses towards sustainability by offering expertise for every step of the process, from production reviews to gaining exposure.

Our platform is ideal for fashion and textile start-ups and scale-ups looking to integrate sustainability into their brand DNA. Whether your needs involve revamping production or connecting with industry contacts, our experts are ready to assist. We also provide a marketplace where designers and suppliers can meet, fostering connections that advance the Sustainable Fashion & Textile Agenda.

Recognized through several prestigious awards, Clean & Unique has established itself as a catalyst for positive change in the fashion industry. We aim to amplify sustainability efforts on both a national and international level, promoting the ambitions of our community through various channels.

Our mission is clear: simplify the path to sustainability. With a team of specialized experts, we guide brands through their entire supply chain or specific steps, making the journey to a cleaner, more ethical fashion industry enjoyable. Connect, act, and grow with Clean & Unique.

Organization profiles



ClubHub - by Circular Sports BV

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CIRCULR.

made of sport

Our mission? A 100% circular and climate-neutral (sports) world! Together with our partners we are working towards this in 2 ways:

1. With the ClubHub collection initiative: a nationwide collection system for worn sportswear and sporting goods. Here, sports clubs serve as a circular hub, where special collection displays and containers are placed free of charge. Collected products range from polyester clubwear, sport shoes, sponsor banners, sports bottles to training materials. The materials are collected monthly with our own fleet of vehicles and can thus be recycled in a high-quality manner.
2. With CIRCULR: the first circular label for the sports world. In cooperation with recyclers, manufacturers and sports brands, new circular sportswear and materials are developed, using raw materials from ClubHub wherever

possible. CIRCULR. products are of high quality and suitable for sports clubs, companies and retailers.

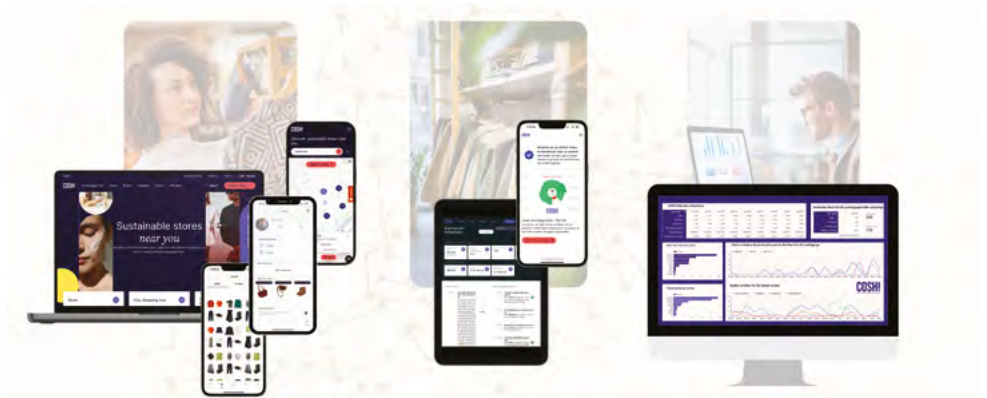
Organization profiles



COSH! Conscious Shopping Made Easy

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COSH!

conscious shopping made easy

Need help reaching eco-conscious shoppers as a store or city? Want to guide tourists to your hidden gems instead of the usual shopping spots? COSH! is a platform with 30,000 monthly users seeking more sustainable shops. Additionally, our COSH! Brand Index independently screens brands across 7 impact themes (Ethics, Planet, Circularity, Supply Chain, Animal Welfare, Slow Fashion, and Transparency) and compares them with data from major shopping streets. Retailers can use this to improve their offer, customers to shop by their values. COSH! collaborates with cities, offering insights into shopping and retail trends, and areas for improvement.

circularity while providing data to support cities' sustainability goals under the Green Deal. Explore all the cities COSH! collaborates with www.cosh.eco.

COSH! Mission

COSH! aims to accelerate the shift of the fashion industry to a circular and fair trade one by inspiring consumers and retailers to consider the impact of their choices.

COSH! App

The COSH! app encourages circularity by automatically digitizing customers' wardrobes and exploring local options for reusing and repairing garments. The app provides valuable insights, data, and tools to cities and retailers to promote more sustainable practices, serving as a safe space to enhance Digital Product Passports.

25 European cities like Amsterdam, Arnhem, Düsseldorf, and Antwerp trust in the power of COSH! due to its marketing expertise and approach to highlighting local economy and

Organization profiles



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How companies design and make products today has a direct impact on the world we will inhabit tomorrow. We are powering the shift to a circular economy, by setting the global standard for materials, products and systems that positively impact people and the planet.

materials and products according to the world's most advanced science-based measures for material health, product circularity, renewable energy and climate, water and soil stewardship, and social fairness.

Today, it is possible to reshape the way we design and make things, using innovation as a driver of change. Hundreds of pioneers in our program demonstrate this every day. Together, we are paving the way for a world where materials and products are made for tomorrow.

Our standard is used globally by future-focused designers, brands, retailers and manufacturers to make safe, circular, and equitable materials and products. Across the value chain, Cradle to Cradle Certified® is used to innovate and optimize

Organization profiles



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CuRe Technology is a joint-venture between Morssinkhof Plastics and Cumapol. We CuRe any type of used polyester by removing the color and other additives and converting it into clear pellets with the same properties as fossil based polyester. Join our polyester recycling revolution! In textile we are active in Horizon Europe projects T-REX and PESCO-UP and collaborate in Project Sports with Circulr on collecting and recycling sports clothing.

Organization profiles



Curitas

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Since 1999, Curitas has provided professional textile collection services for municipalities, businesses, and schools in the Netherlands. As part of Boer Group, we manage the entire textile chain, from collection to recycling, with a strong focus on circularity and sustainability. We collaborate with municipal partners like HVC and the Zeeland Waste Management Service (ZRD), and we also collect textiles for retailers such as Decathlon and Welkoop. This supports these organizations in fulfilling their obligations under the Extended Producer Responsibility (EPR) framework, allowing them to meet legal requirements and contribute to a circular textile economy.

Collected textiles are sorted for reuse or high-quality recycling. Non-wearable textiles can be processed by Frankenhuis, a Boer Group recycling

partner, or by other international partners. These textiles are repurposed for various applications, such as producing cleaning rags or undergoing specialized fiber-to-fiber recycling. Frankenhuis is capable of creating spinnable fibers from both wool and cotton, supporting sustainable fiber recovery and reuse. Curitas, Frankenhuis, and the Boer Group sorting facilities are all VHT-certified, ensuring sustainable processing according to the highest standards.

Curitas provides customized solutions and support for sustainable textile collection, helping to minimize waste streams. Our expertise and commitment to a fully circular textile chain make us a reliable partner for responsible textile collection and processing.

Organization profiles



DE STEEK

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DE STEEK started in January 2019 as an Amsterdam-based Sewing Cafe, sustainable fabric store and studio for workshops in the field of fashion & textiles.

DE STEEK was founded by Dutch sustainable fashion designer Natalie de Koning. Already a teacher in sewing and textile techniques like natural dyeing for almost 9 years now, it was time to see how it was possible to reach and inspire more people to start sewing, crafting and repairing: makerstore DE STEEK was born! Our studio in Amsterdam consists of a small shop, focusing on natural, organic, fairtrade fabrics and supplies, a Sewing Cafe, in which we teach sewing lessons and rent work spaces, and a workshop room with a lovely weekly program of workshops.

The mission of DE STEEK is to make it accessible for everyone to learn clothing making, repairing and textile making techniques in Amsterdam. We want to bring all makers alike together. And we want to make it easier for people to choose sustainable options in clothing by offering only sustainable or upcycled materials, repairing workshops and creating a local environment and consciousness.

Our vision is to offer a sustainable, fairtrade, but still modern alternative for the fast fashion industry and to inspire people from all genders, cultures and sizes to create and repair their clothes themselves!

Organization profiles



Denim Deal

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The Denim Deal is a global public-private collaboration composed of key value chain partners with one key mission: close the loop in denim by normalizing and scaling the use of PCR cotton in its products. The Denim Deal catalyses active collaboration by bringing together all key value chain partners focused on a common objective: scaling the use of post-consumer cotton. Through concrete workshops, pilots, and alignment with legislation this initiative aims to support its members, to build the knowledge needed, and make the connections required to build successful reverse supply chain solutions reflecting today's business reality. As a mission, we aim to produce one billion pair of jeans containing at least 20% post-consumer cotton by 2030.

Organization profiles



Dobbi

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Dobbi has revolutionized the textile industry by developing a fully integrated, nationwide platform that offers cleaning, repair, and donation services with a strong focus on sustainability. By harnessing innovative technology, we have optimized logistics to significantly reduce CO₂ emissions and logistical movements, while maintaining a seamless service experience for both B2C and B2B customers. We provide nationwide pick-up and delivery services for both consumers and businesses, along with over 1,000 retail service points conveniently located at stores and supermarkets across the country.

of second-hand clothes. Dobbi continues to lead the industry with its cutting-edge circular textile solutions, making sustainable textile care easily accessible to everyone.

In response to the developments surrounding the Extended Producer Responsibility (UPV) for textiles, we are actively contributing to circularity goals through our innovative "Clean and Collect" service. By enabling convenient cleaning, repair, and collection services, Dobbi supports a sustainable future for the textile sector, helping to extend the life of garments and reduce waste across the Netherlands.

Our modern, contemporary branding has successfully attracted new, younger customer segments, expanding the market for professional textile care and encouraging the collection and reuse

Organization profiles



Dutch Yarnery

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At Dutch Yarnery, we understand that choosing the right yarns and fibers is essential to any production process, especially when sustainability is at the forefront. Whether you're in fashion, textile manufacturing, or starting an eco-friendly project, we are ready to provide expert advice that supports both innovation and sustainability.

We offer in-depth knowledge of sustainable materials, tailored advice for ecological and efficient solutions, and innovative choices that benefit both your product and the planet. You will be provided with help in choosing the perfect, sustainable yarns and fibers for your application, improving efficiency, reducing costs, and making environmentally responsible choices without compromising on quality.

Our mission is to support everyone—from hobbyists to professionals—in their textile projects with sustainable knowledge and high-quality yarns. After years of working in the textile industry, we noticed a growing need for both eco-conscious materials and information. That's why Dutch Yarnery was founded.

We act as an independent and objective yarn advisor, with a focus on sustainable solutions. We take over the research and purchasing process, leveraging a wide network of national and international suppliers who prioritize sustainability. We also provide transparent information about the origins and production processes of the yarns, helping you make informed, responsible decisions and elevate your projects to a higher level of sustainability!

Organization profiles



DyeCoo Textile Systems B.V.

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DyeCoo is a pioneer in sustainable textile dyeing, transforming the industry with its low-carbon dyeing solutions for polyester fabric and yarn based on supercritical CO₂ technology.

Our CO₂ dyeing technology eliminates the need for water and chemicals in the dyeing process, leading to substantial reductions in water, energy, and chemical usage, and resulting in a lower carbon footprint.

In a circular economy clean processing of materials is a pivotal element to ensure a sustainable circular economy model. CO₂ dyeing provides a low carbon dyeing solution for both virgin and recycled polyester fabric and yarn and based on several LCA studies CO₂ dyeing can reduce the carbon footprint on fabric level over 50% and up to 15% on garment level.

DyeCoo has successfully commercialized industrial CO₂ dyeing with its fourth-generation DyeOx4 machine, which supports bulk production of yarn and fabric. The DyeOx Sampling machine, Lab dip systems, and DyeOx MICRO are also available for research, sampling, and colour development, offering a comprehensive range of CO₂ dyeing solutions for dye houses and research institutes.

Today our CO₂ dyeing solutions are deployed in the supply chains of global brands and retailers in apparel, footwear and the automotive sector. We collaborate directly with global brands and retailers and their vendors to validate and proof our solutions in a factory environment and implement this technology at scale in the textile supply chains.

Organization profiles



Ecological Textiles

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Ecological Textiles Since 2005 Ecological Textiles offers a wide range in fabrics, fibres, yarns and dyes that are manufactured and processed in a sustainable way. In our view 'sustainable' means above all that it has been made of natural, renewable and biodegradable fibers, where possible from organic farming. Fabrics, yarns or raw fibres that are made from organic cotton, wool, hemp, linen or silk for application in the fashion and interior industry. These natural fibers are part of the circular textile production chain. Ecological Textiles is a GOTS-certified company. The Global Organic Textile Standard is a certification that stands for ecologically sustainable production and social responsibility. The standard is your best assurance that the raw materials from which fabrics are made, really are organic and that strict rules concerning eco friendly production

have been followed along the whole production chain. An article can only be certified when the GOTS standard was followed in all previous steps in the production chain. Because Ecological Textiles is a GOTS certified company, this gives you the possibility of making GOTS certified garments, provided of course that your company is certified as well. Even though we applaud the GOTS standard and are a certified company, not all the natural materials that we offer are produced conform the GOTS standard. This is mostly because some fabrics or yarns are almost impossible to obtain in an organic quality (for instance hemp). In this case we choose for the inherent and sometimes unique properties of the fibre or the quality of the material. Every fabric and every yarn of Ecological Textiles has its own story in the circular textile chain.

Organization profiles



EE Labels

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Family company EE Labels produces labels, hangtags, and other trimmings for brands since 1900. Personal contact with our customers, suppliers, and employees fosters long-term collaborations. Maintaining our own factories enables us to operate flexibly and to develop future-proof solutions with minimum impact on the environment, protecting it for the benefit of future generations.

Additionally, through our Exclusives department, we develop innovative jacquard woven fabrics. A recent project with Le Nouveau Chef and Kelly Konings uses our 3-D weaving expertise to create a 3-D woven chef's jacket, removing confection work and allowing for more local production by minimizing the impact of labor costs.

We advance circularity in textiles with product such as (1) unique woven QR labels for Digital Product Passport solutions, including the software development, and (2) mono-material labels, like 100% bio-cotton labels made from organic cotton for both warp and weft, supporting mono-material design.

Organization profiles



Enschede Textielstad

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Enschede Textielstad is a weaving mill with a focus on local and recycled resources. We research, develop and produce sustainable textile materials, using cutting-edge technologies to meet the growing demand for circular textiles. We focus on made to order production of high-quality, eco-friendly textiles for various applications, such as workwear, upholstery and fashion.

Innovative weaving partner

Enschede Textielstad offers various weaving techniques, from dobby and jacquard weaving to the world's first Smart Creel combined with a jacquard loom; a new technique that enables us to do rapid prototyping on an industrial level, as well as the weaving of short runs. With this technology it's possible to:

1. Test scarce yarns industrially, using only a few

KGs of material

(instead of hundreds of KGs in conventional industry)

2. Apply complex combinations of yarns in a fabric
3. Plan short runs in succession, and varying the warp density of the fabric
4. Increase the percentage of recycled content used in our fabrics

Bridging the gap between lab and industry

Enschede Textielstad collaborates with various designers, companies and industry partners in order to speed up the transition towards a circular textile industry, for example by being one of the boardmembers of the TexPlus foundation. With our new machine setup we want to close the gap between lab-scale innovations and mass production, by offering a solution to industrially test materials in the early stages of development.

Organization profiles



Erasmus University Rotterdam

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Erasmus University Rotterdam

The mission of Erasmus University Rotterdam is 'to create positive societal impact'. We want to realize changes for the better, in collaborations with societal stakeholders. Engagement has become a core task next to and often in conjunction with research and education (i.e. Just Fashion Transition magazine). In particular, Erasmus School of History, Culture and Communication (ESHCC) embeds most of the research, education and impact around cultural and creative industries, including the sustainability transitions of fashion and textile. ESHCC hosts the Master Cultural Economics and Entrepreneurship, one of the first Master Programs around creative industries in the world and consistently ranked among the top five programs in arts management, and the Minor Fashion Industry, the first academic and interdisciplinary minor around the business

of fashion in The Netherlands. Researchers at ESHCC are currently involved in the HORIZON EU project FABRIX (Fostering local, beautiful, and sustainably designed regenerative textile and clothing ecosystems). FABRIX embodies the European vision towards a more human-centred and ethical development of digital and industrial technology, with a particular emphasis on developments in the textile & clothing sectors in Rotterdam and Athens. FABRIX is part of the ECOSYSTEX - European Community of Practice for a Sustainable Textile Ecosystem, facilitated by the European Technology Platform for the Future of Textiles and Clothing (Textile ETP). Erasmus University Rotterdam is also one of the founding partners of the EIT Culture&Creativity, playing a pivotal role in the development of a future proof cultural and creative industries sector and services in Europe.

Organization profiles



Ermapa

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ERMAPA is a collaborative platform mapping out services, solutions, and knowledge to ensure the longest life cycle of clothing and textiles worldwide.

Through practical tools, such as maps and informative content, ERMAPA enables individuals, SMEs, and craftspeople to empower each other in adopting circular practices while fostering collaboration, informed consumer choices, and supporting fair standards.

We believe in revealing the potential in what we already have, making responsible use of resources achievable for everyone. This approach helps reduce waste while raising awareness about the value and craftsmanship behind our clothes.

ERMAPA addresses the global lack of centralised, accessible information on initiatives, services, solutions, and knowledge for responsible use, care, and disposal of fashion and textile items. This fragmentation and limited visibility also hinder SMEs in circular fashion from accessing or providing effective textile circulation solutions. Our unified platform bridges these gaps, enhancing visibility and accessibility for all stakeholders involved.

Ultimately, ERMAPA is a digital tool to facilitate the circular transition in clothing and textiles.

Organization profiles



Erren Recondition BV

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The product savers

Erren Recondition B.V. The Product Savers, located in Arnhem, The Netherlands, was founded in 1980. Originally our company specialized in footwear reconditioning but since then we have expanded our expertise to include the professional reconditioning of a wide variety of consumer goods including, but not limited to, shoes, bags, clothing, household items, toys, accessories, outdoor and lifestyle products all while maintaining the highest quality levels and conforming to the strictest international standards. Our clients include some of the world's leading traders, manufactures and brands of many different sizes.

Quality issues from manufacturing or transport can prevent goods from reaching the market, resulting in waste. At Erren Recondition,

we provide effective solutions to restore these products. Our circular approach emphasizes Reuse, Upcycling, and Recycling to maximize product life. We refurbish items, often partnering with charities to donate gently used goods to communities in need, creatively repurpose materials, and responsibly recycle end-of-life items. We also support second-hand markets by restoring garments for resale.

Committed to sustainability, we aim to extend each product's life while reducing waste. Thanks to our innovative sustainable solutions, we save 95% of incoming products, reducing incineration and supporting a circular industry.

"The only thing Erren Recondition can't do is what you don't ask."

Organization profiles



Euro Used Clothing

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Euro Used Clothing is one of the sorting plants that is part of the textile recycling organization Boer Group. Boer Group consists of several sorting and collection companies for discarded textiles in the Netherlands, Belgium, Germany and France. The company also has a mechanical recycling facility located in The Netherlands. A sorting plant's core activity is a tailor-made sorting of discarded textiles for reuse on 2nd hand markets worldwide. Textiles which are not fit to be reused are recycled and the recycled material is used in a variety of sustainable applications.

We take full responsibility for the incoming textile waste and find a new purpose for at least 90% of this either as 2nd hand item or the recycled materials. Daily we continue to improve our processes, achieving today's state-of-the-art standards.

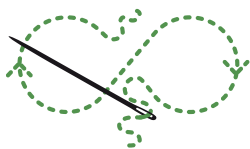
Organization profiles



fabriCreation

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fabriCreation is a Textiles consultancy founded in 2012. fabriCreation is your partner in the transition from linear to circular business models in Textiles. We can guide the process of transition in both Textiles and Nonwovens, two industries that need to join forces to meet the demands of the circular economy and comply with legislation. With our network of experts in the field we can connect nonwovens and textiles experts in order to accelerate crossover learning, thus combining best of both worlds.

Organization profiles



Fabriek Fris

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Fabriek Fris is a local clothing production factory. We show that things can be done differently through knowledge exchange, innovation, fair and local clothing productions to promote social impact, circular and future proof fashion.

Our focus is on designing, developing and producing for fashion brands who want to work together towards a more sustainable industry. We provide knowledge/coaching sessions for both start-ups and established fashion brands, we develop innovative clothing collections and produced locally where we value social impact.

Some examples of innovative projects are; researching the processing and wearability of PLA productions (project: splash), developing a new production method without textile waste within the production process and in collaboration the development of waste streams into new products that we can add to the fashion items within the production process (project: bio-based zero waste).

Fabriek Fris is a future-oriented production company for innovative and sustainable clothing in which we continue to develop every day.

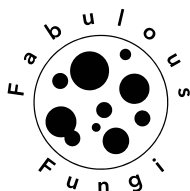
Organization profiles



Fabulous Fungi

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Fabulous Fungi addresses one of the major issues in the fashion industry: the use of synthetic textile dyes, which involves vast amounts of harmful chemicals. These chemicals contribute to water pollution and health problems, and the dyeing process demands high levels of water and energy. Fabulous Fungi offers a sustainable and safe alternative by using fungi to create textile dyes without harmful chemicals. The fungi's biochemical processes produce biodegradable pigments, drastically reducing CO₂ emissions and water usage. As a result, the dye is safe for both the workers and wearers of the garments, while offering many advantages over synthetic dyes, including suitability for industrial use.

Organization profiles



Fashion Tech Farm

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The Fashion Tech Farm is a studio, incubator and production facility for innovative fashion, initiated by Marina Toeters. Based on more than 15 years of experience in Fashion Tech with her company by-wire.net. It was time to move towards the high-tech region: Eindhoven and upscale the activities. As the Farm is big enough it became a multi-company building for companies in Fashion Tech.

The Fashion Tech Farm has a Fashion Tech Incubation program, Full-time Farmers, Flex Farmers, Visiting Farmers, and Friends of the Farmers. More than 8 companies call the Fashion Tech Farm their home. From a dynamic workshop with the associated Fashion Tech tools, we support companies in their textile, electronics, and garment R&D processes, make prototypes of future garments, and produce innovative textile products and art. We all have a separate administration and client base, but share tools, network, and lunch.

Organization profiles



Fashion to Fiber

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Fashion to Fiber is dedicated to creating a circular textile economy by providing solutions for the collection, sorting, and recycling of discarded textiles. We help retailers and manufacturers meet their obligations under the Extended Producer Responsibility (EPR) framework, promoting sustainable management of textile waste. Our services cover the full lifecycle of textiles, from collection boxes in stores to recycling processes, ensuring compliance and advancing sustainability.

In the Netherlands, we partner with retailers such as BESTSELLER to collect textiles from consumers in stores, promoting a circular mindset and contributing to CO₂ reduction goals. As part of Boer Group, a leader in textile recycling, we divert over 112.5 million kilos of textiles from landfills annually, saving CO₂ equivalent to

1.2 million kilos per day. We offer transparency, providing partners with reports that reveal the impact of their textile recovery efforts.

We also offer specialized recycling for workwear, with notable projects for Fristads and Snickers. Our partnership with Frankenhuis, another Boer Group company, ensures that suitable materials from used workwear are processed into high-quality fibers for applications like insulation and yarns for new products. By collaborating with innovative companies like Planq®, we are expanding the reuse of recycled fibers and reinforcing our commitment to a sustainable textile industry.

Organization profiles



Feelou

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Feelou is a circular startup founded by Anne Dijkstra and Noor Figdor. They experienced that during and after pregnancy, bra size changes constantly. Searching for good fitting bras was expensive, uncomfortable and unsustainable. Since a solution for this problem was not on the market, they started Feelou. They designed a bra that can be worn throughout pregnancy, nursing, pumping and beyond.

The patented Feelou® maternity bra is extremely adjustable and multifunctional, making buying a lot of bras redundant. Feelou developed a closing system that is unique in the world. It can handle 10 cm in circumference growth. In addition, the innovative crossover design can support growth of 2-3 cup sizes. Also, the design makes that the Feelou bra can be easily used for breastfeeding as well.

A bra's size is put together by circumference- and cup size. Both circumference and cup size change immensely during pregnancy, nursing and beyond. In the third trimester, for example, the ribcage expands and circumference can grow 10 cm. Cup size can also change 2-3 sizes during pregnancy, and when breastfeeding it can even change over the course of a day.

Instead of buying on average 8 bras during pregnancy, nursing and beyond, women now only need to buy 2 bras: one for wearing, one for laundry. Saving hassle, money and most importantly: overconsumption. This is how Feelou aims to increase women's wellbeing and reduce waste, using circular design

Organization profiles



Fibershed NL

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Fibershed NL is the Dutch branch of the global Fibershed movement, with over 72 local affiliates working towards a resilient, regenerative textile system. As a producer network, Fibershed connects the dots by sharing knowledge and facilitating cross-sector collaborations in an open, transparent way. While many circular solutions focus on the end of the value chain, reducing negative impacts, Fibershed focuses on the beginning, maximizing positive impact. In line with circular economy principles, it's crucial to invest in a broader supply of renewable, biobased fibers, ideally from regenerative agriculture and processed locally.

growth. This approach spans fiber growing, material processing, clothing production, business models, storytelling, and, most importantly, people. Raising awareness among all stakeholders, including consumers, is key to shifting towards fewer, higher-quality, circular, biodegradable textiles and clothing.

Imagine a world without textile waste! Want to learn more and contribute? Fibershed offers professionals, educators, and government officials:

- Information and inspiration sessions on the new textile economy
 - Mediation in regional, regenerative textile development and production
 - Coordination of knowledge sharing from pioneers and industry leaders
- Growing impact together!

With the motto "Use what we have and what we grow!", we begin by asking: What exists? What can already be done? How can we help it thrive? We then assess what else is needed for further

Organization profiles



Frankenhuis BV

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What once started as a cotton rag factory has today become one of Europe's leading mechanical textile recycling companies. Frankenhuis has years of experience in mechanical recycling of textile materials. We are unique in that we mainly process post-consumer textiles. Frankenhuis is part of the textile recycling organization Boer Group. Boer Group also consists of several sorting and collection companies for discarded textiles in the Netherlands, Belgium, Germany and France.

for improving and optimizing the future of textile recycling and a circular process. Frankenhuis will always continue to innovate and contribute to a circular economy.

Innovation is something that is highly valued at Frankenhuis. We are constantly involved in research and development in the field of textile recycling. Due to its broad experience with and focus on post-consumer textiles and the process of recycling. This is an important part of the daily work within the company. Continuing to analyze, study and cooperate with the industry is essential

Organization profiles



Gebotex

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Gebotex is one of the sorting plants that is part of the textile recycling organization Boer Group. Boer Group consists of several sorting and collection companies for discarded textiles in the Netherlands, Belgium, Germany and France. The company also has a mechanical recycling facility located in The Netherlands. A sorting plant's core activity is a tailor-made sorting of discarded textiles for reuse on 2nd hand markets worldwide. Textiles which are not fit to be reused are recycled and the recycled material is used in a variety of sustainable applications.

We take full responsibility for the incoming textile waste and find a new purpose for at least 90% of this either as 2nd hand item or the recycled materials. Daily we continue to improve our processes, achieving today's state-of-the-art standards.

Organization profiles



GREAT UP

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GREAT UP: Redesigned Upcycled Garment Styles

The company designs and creates new items by taking the material sources from old label collections or second-hand garments that are out of fashion, bringing them back into style.

It adopts a circular approach by developing upcycling methods to achieve fashionable, wearable results that are easily adaptable for production. GREAT UP gives a second life to collections of clothes, resulting in unique outcomes that address overconsumption while bringing a fresh perspective to the joy of fashion.

The company operates on a freelance basis and offers:

- Designs on paper
- Sampled example pieces
- Custom-made guide plans
- Upcycled pattern cutting
- Fashion advice
- Exclusive pop-up collections

Organization profiles



GS1 Netherlands

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Legislation requires more collaboration with partners in your supply chain. An example of this is a Digital Product Passport (DPP). From 2027, these passports will be mandatory in the EU for various products such as textiles, electronics, and batteries. The goal is to provide insight into how sustainable and circular products are, including what materials they consist of, where they come from, and how they can be recycled. DPPs help consumers and businesses make more sustainable choices and are an important step towards a circular economy.

worldwide by companies, such as the barcode that identifies products at the checkout. By using this widely adopted global data language, DPPs can be filled and used by everyone.

The technology for DPPs is thus already available for companies that bring products to market and for companies that build systems to create DPPs. If companies start creating DPPs for their products now, they can gain a competitive advantage by showing what their products are made of and how sustainable they are.

A lot of data is needed for a DPP. GS1, a non-profit organization, helps to collect, capture, and share this data. This starts with tools to identify products and locations and unlock all associated information with a QR code powered by GS1. These so-called standards are already used

Organization profiles



HESTAS

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HESTAS creates unique, sustainable bags and accessories from discarded materials such as banners, flags, and sails. What many see as waste, HESTAS sees as an opportunity. From its circular sewing workshop in the Kabeldistrict in Delft, these materials are given new life and transform into high-quality, long-lasting products. Additionally, parts from worn-out bags and other products are reused, ensuring that nothing goes to waste.

HESTAS actively collaborates with local sustainable initiatives in Delft and is a member of the New Future Lab. This community of entrepreneurs and experts is working towards a greener, more socially responsible future for the city. Through collaboration, HESTAS aims to contribute to social progress and further sustainability.

Each product from HESTAS tells a story of reuse and innovation, helping to build a world with less waste and more sustainability.

The company sources its materials from businesses and organizations that no longer use them and is thus committed to the circular economy. The goal is to preserve resources and minimize the environmental impact. Sustainability is at the heart of every step in the production process, and the love for craftsmanship is evident in each item.

Organization profiles



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Holland Circular Hotspot (HCH) is a private foundation focused on accelerating the global transition to a circular economy by promoting collaboration among businesses, knowledge institutions, and governments. Leveraging its extensive network of Dutch circular pioneers, HCH supports knowledge exchange and international partnerships to develop and scale circular strategies. One of its key focus areas is the textile sector, which faces challenges like high water usage, harmful chemicals, and reliance on non-renewable resources. With less than 15% of textiles recycled globally, HCH promotes circular solutions such as using renewable materials, safer chemicals, advanced recycling technologies, and alternative business models. HCH organizes international discussions, workshops, and seminars to foster global collaboration and prepare markets for

sustainable business practices. Examples include the Circular Climate Booster for Textiles at WCEF+Climate 2021, the publication "From Linear to Circular in the Textile and Apparel Industries," and bilateral exchange programs with countries like Bangladesh, the UK, Chile, and Nigeria, all aimed at driving international cooperation and circular innovation.

Organization profiles



Hollands Wol Collectief

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Hollands Wol Collectief

Hollands Wol Collectief

The 'Hollands Wol Collectief' (Dutch Wool Collective) gives new value to local wool!

Annually there's 1.2 million kgs of wool in the Netherlands. A large part of this wool is not processed locally and sometimes even seen as waste. Hollands Wol Collectiefs' mission is to change the narrative and prove that wool is a valuable material that is part of our circular future.

The HWC takes care of the process from purchasing sheared wool to the production of wool semi-finished products, like felt or yarn. HWC purchases wool from farmers, sorts it for the best application and has it processed into semi-finished products. In total they have a network of over 250 farmers and shepherds that need to find a better destination for their wool.

HWC collaborates with a wide range of manufacturers to ensure the most valuable application of wool.

What makes HWC unique is that they look for a suitable application for all different qualities of wool. The felt is for example used in different applications in the interior market, making use of its acoustic properties. Or less aesthetically pleasing wool can be used as filling material. Therefore there's no waste and all wool is reusable. Processing is done on an industrial scale to carry out processes collectively and create the best value. Wool is a unique fiber that is not only very strong and durable but also biodegradable. Therefore wool is a great material of the future, to ensure the increased availability of sustainable textiles.

Organization profiles



House of Design

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wad van waarde

House of Design creates circular change strategies and initiates impactful projects to drive this transformation. By utilizing the Local Value Chain model, House of Design connects various stakeholders—farmers, designers, production facilities, factories, educational institutions, governments, retailers, and waste management companies—to collaborate effectively.

One such project is Wad van Waarde, a strategy aimed at reducing the use of polluting plastic products in the UNESCO Wadden Sea region. To achieve this, we established a local value chain from flax to linen, reintroducing flax cultivation to the North of the Netherlands. In 2024, we partnered with 14 farmers to cultivate 65 hectares of flax. From this crop, we develop plastic-free linen products locally, offering sustainable alternatives to synthetic textiles, including bags, pillows, toys, and clothing.

Organization profiles



HTEX B.V.

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HTEX is, in cooperation with CLS-TEX, working in the circular economy for textiles since 2019. Together we set up a closed loop production chain, in which all chain partners within the production chain of work wear were represented.

The founders of HTEX had the knowledge of textiles, circular business models, as well of the 5th generation of Hydro Thermal Upgrading. This technology has been re-developed to a chemical recycling line, where polyester textiles are broken down to the original raw materials PTA and EG. These raw materials are the feedstock for new polyester.

With this technology we created a chemical recycling line, which can process 8.000 kilo's of polyester per day. Now HTEX is one of the first commercial chemical recycling lines for polyester textiles.

HTEX is still improving the technology to deal with blends and contaminations like PU. At this moment we focus on work wear and the banner industry, as this is the most reliable feedstock at the moment. Together with CLS-TEX we organize the waste streams to process on the highest quality level. Working accordingly this procedure HTEX is a valuable partner within the circular value chain.

Organization profiles



Hul le Kes - Arnhem Fashion Group

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HUL LE KES

Hul le Kes is a pioneering high-end fashion brand based in Arnhem, the Netherlands, founded by Sjaak Hullekes and Sebastiaan Kramer. The brand is dedicated to sustainable and inclusive fashion, creating unique, gender-fluid garments. At the core of Hul le Kes is a commitment to circular fashion: the brand upcycles textiles, transforming pre-loved materials into one-of-a-kind pieces that challenge the fast fashion industry.

Hul le Kes is sold worldwide at top retailers, establishing itself as a leader in high-end sustainable fashion. Recent projects include collaborations with museums and initiatives that promote sustainable practices and mental well-being. Hul le Kes is part of a broader movement advocating for responsible consumption and the revaluation of craftsmanship, proving that fashion can be both sustainable and socially conscious.

All production takes place in the Netherlands, specifically at the Hul le Kes Manufacturing Studio and the Hul le Kes Recovery Studio, where individuals recovering from mental health challenges are given the opportunity to contribute to the creative process. Hul le Kes combines traditional craftsmanship with modern-day innovation, using artisanal techniques that reflect both historical and contemporary influences.

Organization profiles



i-did

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i-did creates sustainable, circular textiles while providing social impact through employment. Our products include high-quality recycled felt made from discarded textiles, which we transform into a wide range of items such as bags, accessories, and interior products.

Everything is made locally in The Hague, where we handle the full process—from mechanically opening textile waste to producing recycled felt and crafting finished products. We are committed to reducing waste in the fashion and textile industries by giving a second life to materials that would otherwise end up in landfills. Our circular approach involves collaboration with partners like Sympany and Schijvens Corporate Fashion, alongside other industry innovators.

In addition to our environmental focus, i-did provides meaningful employment opportunities for individuals who have been long-term unemployed or have never worked. Through our production process, they gain new skills and reintegrate into the workforce, making i-did a pioneer in both sustainability and social impact.

Our latest initiative, Project Trashure, showcases our commitment to innovation by collaborating with designers and educational institutions to create fashion from wearable felt made directly from post-consumer textile waste. This project exemplifies our holistic approach to solving the textile waste problem. At i-did, we believe in a future where textiles are fully circular, and everyone has the opportunity to contribute.

Organization profiles



Interface

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Interface®

Interface

Interface is a global flooring solutions company and sustainability leader, offering an integrated portfolio of carpet tile and resilient flooring products for commercial spaces. A decades-long pioneer in sustainability, Interface is “all in” on direct carbon reductions and carbon storage, not offsets, as it works toward achieving its verified Science-Based Targets by 2030 and its goal to become a carbon negative enterprise by 2040.

Circularity in Product Design

On average, 88% of the materials in our Carpet Tiles made in Scherpenzeel come from recycled or bio-based sources. Some even already reach 93%. With this Interface Carpet Tiles have the highest circularity in product design which is connected to the carbon footprint of the product. Interface is offering the lowest carbon footprint Carpet

Tile products from cradle-to-gate in the industry, independently verified via Environmental Product Declarations (EPDs). Considering modularity Interface has been leading with the invention of the TacTiles®; a glue free installation system. An important element considering Circular Economy is quality, Interface Carpet Tiles have 15 years of warranty.

Reuse, Recycle

Since 1995, we offer our ReEntry take-back program, this is how we handle and reprocess our used flooring the best way possible either via ReUsing the Carpet Tiles with local business and charities, or recycling our CQuest-backed products into new Carpet Tiles or high performance engineered plastic for new products.

For case studies:

blog.interface.com/nl/tag/casestudie-nl

Organization profiles



Jennifer de Bruyckère / Weird Fishes

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JENNIFER DE BRUYCKÈRE

Driven by a vision for a regenerative and responsible fashion future, Jennifer de Bruyckère is a pioneer in reshaping fashion's relationship with nature. Her focus lies in regenerative practices and local wool production, transforming natural, renewable resources into high-quality, eco friendly textiles. Specializing in sourcing and processing local wool varieties, Jennifer combines craftsmanship with innovative design to create durable, traceable products.

Jennifer's Responsible Knitwear line features thoughtfully designed knitwear made from premium natural materials like mulesing-free Merino wool. Her designs balance elegant aesthetics with precise tailoring and an artisanal touch, bringing a special quality to everyday wear. All garments are crafted in her Netherlands

studio, with exposed seams that highlight the craftsmanship and construction process. Her commitment to circularity is evident in collaborations with farmers, designers, and textile manufacturers to create fully traceable, closed-loop wool systems. This approach ensures minimal waste and environmental impact while fostering transparency.

The Platvorm collection exemplifies Jennifer's focus on regenerative design. Featuring timeless, durable pieces made from surplus wool, Platvorm encourages slower, more mindful fashion consumption. It highlights the importance of local resources, closing material loops, and promoting ecological balance, reflecting her personal and sustainable design philosophy.

Organization profiles



katoenfabriek vof

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Katoenfabriek is a B2B sustainable textile printing company that only works with fair-wear and organic GOTS certified clothing suppliers. We only use printing techniques that are as environmentally friendly and responsible as possible. Our printshop is located in the center of Utrecht, in the middle of the beautiful Museum Quarter, and consists of a ground floor on Oudegracht and a medieval wharf cellar directly below where all our screen printing operations take place. Next to screen printing, we also offer DTG printing, transfer, and embroidery. As a company we are GOTS certified by the Control Union.

In the past we developed several concepts to minimize textile waste, such as upcycling misprints into fashion accessories. We also developed a successful 'made to order' instore fashion concept, which eliminates pre printed stock.

For businesses that have a lot of wear and tear such as construction businesses, we offer special circular workwear programs. Programs to return textile to have it refreshed, repaired or recycled into new workwear.

Organization profiles



Klopman-TDV Industries

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We-ar Circular is the brand developed by Klopman International and TDV Industries to communicate our commitment to accelerating the transition from a linear to a circular business model. The process begins with the collection of post-consumer garments. We process these to extract polyester-cotton blend fibers that can be spun and woven again.

BE PART OF THE REVOLUTION

See for more information www.we-ar-circular.com or get in contact with our sales representative Klopman International SRL & TDV Industries; a family owned business producing fabric for work- and protective and tactical wear.
www.klopman.com
www.tdv-industries.fr

We-ar Circular is the first industrial-scale closed-loop system available on the market!

An innovative system that represents our dedication to sustainability and a significant step towards a more environmentally conscious future.

Organization profiles



Lautratex B.V.

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Lautratex is a Dutch manufacturer of reusable laundry bags, roller container covers, laundry nets, overhead rail conveyor bags and insulation covers. Our sustainable bags and covers, produced in the Netherlands, significantly contribute to the reduction of plastic packaging waste. Our customers include laundries in over 25 countries.

In our two production locations in Ootmarsum, we work on the development and improvement of fabrics, laundry bags, container covers and other products. All of the power we use is green, sustainable and CO₂ neutral.

the reusable bags and covers are simply washed along with the other laundry.

Recycle

Lautratex is the first manufacturer to produce laundry bags and container covers made of 100% recycled polyester, in addition to classic polyester products. This results in CO₂ and materials savings.

Lautratex GreenLoom

With our GreenLoom laundry bag, we are taking circularity further than ever before. By using polyester textile waste as raw material for new yarns, we give discarded materials a second life. This way, we can offer the most sustainable laundry bag ever. A laundry bag made from 100% recycled polyester, of which up to 70% comes from textile waste – including used laundry bags!

Reuse

More and more laundries and their customers are making the switch from plastic to reusable materials. Reusable bags and covers allow for a drastic reduction in plastic waste. After use,

Organization profiles



LAZE

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LAZE was founded in 2022 out of frustration with the lack of high-quality outdoor products that are both beautiful and sustainable. LAZE makes no compromises when it comes to quality and sustainability and collaborates closely with European weavers and producers who share this vision.

The products are not only functional and durable but also visually appealing, featuring beautiful colors and designs. Each item is carefully designed, expertly crafted, and specifically developed for outdoor use. Made from recycled plastic waste, the products are resistant to water, sun, and stains, ensuring an exceptionally long lifespan.

Thanks to these high-performance fabrics, LAZE's products are also perfectly suited for indoor use. In short, whether used outdoors or indoors,

LAZE adds a touch of beauty to any space.

- **Recycle:** LAZE's jacquard-woven fabrics are both stylish and environmentally conscious, made from recycled plastic waste and woven with Rolefin or Repreve yarn. Fully circular, since they are made from a single material type, they can be recycled again.
- **Reduce & Re-use:** Stains are easy to remove, colors remain vibrant, and the products are water-resistant, ensuring a long lifespan.
- **Support Local:** By using fabrics sourced from Europe and handcrafting products in Amsterdam, LAZE supports local economies and reduces their ecological footprint.
- **Save Energy:** In their operations, LAZE strives for sustainability by working remotely, driving electric vehicles, and minimizing packaging materials.

Organization profiles



Manufy - Circular Innovations BV

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Manufy helps fashion brands transition to sustainable and circular business models, ensuring compliance with legislation while maintaining financial viability. By connecting brands with the right circular solutions and partners, Manufy simplifies the integration of sustainability into business operations, focusing on both environmental impact and financial outcomes.

Since August 2024, Manufy has led several successful pilot projects with brands such as By-bar, O'Neill, and Profuomo. These projects have focused on implementing circular strategies that increase both circularity and profitability for the brands, highlighting Manufy's ability to deliver impactful, tailored solutions.

Key services include workflow assessments to map out current operations and future sustainability strategies, as well as Footprint & Financial Impact Modelling to quantify the environmental and economic benefits of circular interventions. Manufy also provides ongoing tracking and monitoring to measure the impact of these solutions over time, ensuring transparency. Additionally, the company supports brands in their sustainability reporting, translating data into clear insights for external reporting.

With a comprehensive approach that integrates best practices, regulatory requirements, and measurable results, Manufy ensures brands can navigate the complexities of circularity while remaining competitive in an evolving industry.

Organization profiles



Marbo Used Clothing

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Marbo Used Clothing is one of the sorting plants that is part of the textile recycling organization Boer Group. Boer Group consists of several sorting and collection companies for discarded textiles in the Netherlands, Belgium, Germany and France. The company also has a mechanical recycling facility located in The Netherlands. A sorting plant's core activity is a tailor-made sorting of discarded textiles for reuse on 2nd hand markets worldwide. Textiles which are not fit to be reused are recycled and the recycled material is used in a variety of sustainable applications.

We take full responsibility for the incoming textile waste and find a new purpose for at least 90% of this either as 2nd hand item or the recycled materials. Daily we continue to improve our processes, achieving today's state-of-the-art standards.

Organization profiles



MENDED

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MENDED is the go-to repair platform for leading fashion brands, boosting customer loyalty and store visits. As pioneers in the repair industry our mission is to "build a better way to keep clothes in play." Following the success in the Dutch market, we are expanding across Europe.

Organization profiles



Míramé & Riverfashion

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It all started at the retail store of Míramé in Zutphen, where Hanneke Siebelink, Initiator, specialised in the sales of sustainable clothing. The river IJssel crosses her town there, and she wondered how to develop textiles from plastics that could be extracted from the river.

During the recent years we have organised the value chain from river to fashionable clothing under the brand name 'River Fashion'. The company Clear Rivers removes plastics from the river. Then the bottles thereof are processed into yarns and buttons by Triple Benefit. The yarns are commingled with recycled PET fibres and weft into comfortable textiles by AC Ter Kuile. Sustainable textile designer Hellen van Rees developed an entire fashion line from these textiles. Míramé takes care of the sales and distribution by eligible retailers.

All River Fashion is not only manufactured in a sustainable way, it is also developed for a truly circular value chain. We have developed a deposit system so that consumers receive their deposit when the clothing is returned. Following multiple R-strategies, returned clothing is either re-sold as vintage, or recycled into the fibres for reuse in new fashion. Thanks to the smart modular designs, vintage clothes can be repaired or recombined after use in order to optimise reuse, even when parts of the clothes have become unusable for other reasons.

In this way we have proven that true circularity is not fiction anymore. Our fashion line is the most circular that we now, and we are continuously improving our value chain.

Organization profiles



Moda en Verde

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Moda en Verde: Fashion & Sustainability Consultancy

In 2020, Moda en Verde was established with the objective of enhancing the fashion and textile industry's practices.

We are committed to supporting businesses in the fashion industry to become more sustainable. With our expertise in circular economy, business development, social sustainability, and fashion project management, we help businesses and organisations achieve their goals.

Our services include:

Circular business modelling for brands and startups. We help entrepreneurs identify opportunities to implement circular strategies and crucial aspects of their business including

value proposition, customer segments, distribution and communication channels, revenue streams, and cost structure.

Business Development

We assist companies in defining and exploring their revenue streams, analysing the sustainability and circularity of their idea, product, or business in the long term, and identifying collaboration opportunities for business development.

Education Tools and Events

We support organisations in the development of educational tools through lectures, workshops, and training sessions. Additionally, we organise educational corporate events such as clothing swaps with the aim of promoting a circular lifestyle.



Organization profiles



Modint

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Modint represents the Dutch textile and clothing industry. As the trade association for manufacturers, importers, agents and wholesalers we support our members in their daily operations and growth of their company.

With a membership of over 500 companies, we are committed to creating a sustainable future for our sector. We provide our members with knowledge and advice on sustainable and circular business models and innovative co-operation. In The Hague and Brussels we represent their need for adequate supporting policies.

We expressed the ambition to transform our sector to circularity and committed to cooperate with the government on the implementation of the extended producer responsibility (EPR) in our Sector Plan Circular Textiles (2019). We initiated

a network of circular transition accelerating organizations and regions under the name of Dutch Circular Textile Valley (DCTV, 2018), co-operating on the implementation of the Roadmap Circular Textiles (2016).

All our transitional efforts to guide the Dutch fashion and textile sector toward circularity come together in the Foundation EPR Textiles, the sectoral producer responsibility organization (PRO, together with INretail, 2023) on the collective fulfillment of the EPR-legislation. Beyond compliance we focus on the broader context of the circular R-strategies from Rethinking products and marketing, via Redesign in material use and composition, towards longevity of (Re-)use and finally recovering fibers by means of Recycling.

Organization profiles



MUD Jeans

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They say, every once in while, you get a calling.
And, it's never planned.
You may resist, refuse and ignore.
But doing nothing isn't a choice.
You've seen something that just isn't right.
And, once you see, it can't be unseen.
It stays with you. And consumes you.
Until eventually, you find yourself taking a leap.
Yet, the strange thing is, it's not even your leap.
It's humanity's.
No-one plans to change an industry.
Or the planet.
No-one wakes up and says, today i'm going to make history.
But that's exactly what we're doing.

That's our promise.

And in the future when the manufacturing of clothes and textiles has zero waste all over the world.

And when circular fashion is, normal, no big deal.
Just the way things are done.

Nobody will care how it all started.

And that's ok.

We are the pioneers.

The voice of a movement.

With the audacity to believe we can actually make a difference,

We are MUD Jeans.

Premium circular fashion.

Making the planet cooler.

Organization profiles



MYCOTEX by NEFFA

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MYCOTEX BY NEFFA

Multi-award winning MYCOTEX is the first bio-material suitable for NEFFA's ground breaking automated manufacturing method allowing for custom products made from biomaterials. It is a new manufacturing method next to knitting, cutting and sewing.

Our patented process gives brands unprecedented design freedom to create silhouettes and textures that were never possible with traditional manufacturing processes. It is circular and based on natural materials that are biodegradable, eliminating waste and deadstock. Automation is making local and on-demand production possible, whilst eliminating overproduction.

Materials are flexible and can be custom-designed to fit the final product. There are currently 2 materials available: MYCOTEX (leather-like) and

PARYCEL (paper-like). In terms of the final 3D product, the modelling process can be compared to injection moulding yet made from natural materials.

MYCOTEX has a 3-step manufacturing method

1. Automated 3D design process to create affordable, configurable and/or recyclable moulds
1. Liquid fermentation process to create next-gen materials, starting with mycelium, but also suitable for other biomaterials that are grown through liquid fermentation
1. Robotic application method to create the final textile product

Products are made directly in 3D, eliminating the need for cutting and sewing, saving on 10 to 30% production waste. Production of both material and products are done locally, there is no need to ship materials around the globe.

Organization profiles



Naaierij

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NaaiERIJ

De Naaierij is a sustainable sewing studio where you can learn to repair your own clothes or have them repaired. Our goal is to raise awareness about sustainable fashion, with a focus on clothing repair and combating overconsumption. We want to show that almost any garment can be repaired—and that it's fun to do as well. At our studio, everything revolves around repair, upcycling, and revaluing what you already have. After all, there's already enough clothing in the world.

We believe that every piece of clothing deserves a second life, and by repairing or altering it, you help reduce overconsumption. Through our workshops, repairs, and timeless vintage pieces, we inspire people to be creative with what they already own, working together towards a more sustainable future for fashion.

Our mission: To raise awareness about sustainable fashion by encouraging clothing repair and reducing overconsumption.

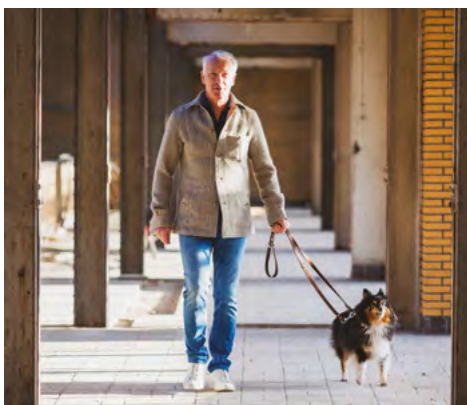
Organization profiles



NEW TAILOR

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NEW TAILOR

NEW TAILOR is a tailor based in Utrecht. We make men's clothing like suits, jackets, trousers, and Urbans on the premises to reduce the footprint and make long-lasting garments from natural fibers. All the clothes come from Europe so we can guarantee the use of the right chemicals in dyeing the fabrics and transportation is limited. Our Energy consumption is green.

Have a look at our book from 2011 Suitable Sheep and here Cotton to Shirt published in 2016. As you can see we always want to be as transparent as possible and involve the complete chain in making the right products.

lifetime we have an alteration service. Customers may hand in old garments for reuse via Dressed for Success.

We did a questionnaire among our suppliers on sustainability with mixed results and insights possible. The bigger merchants provided us with information on CO₂, water consumption, and animal welfare. For smaller companies it is hard. For wool, it is almost impossible to use re-used fibers without quality loss. The upside vs the downside will be negative. I am happy to talk more about it.

Organization profiles

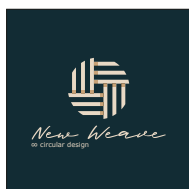


We are involved with the Linnen Project, produced with Ingeborg Meijssen a Dutch Tweed made from wool that live here. Of course, it is spun and woven in the Netherlands. To maximize the

New Weave

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"New Weave is a Dutch-based registered Social Business committed to creating high-quality, sustainable rugs and carpets through a circular economy approach. With a deep focus on eco-conscious design, New Weave transforms waste materials into beautiful, custom-made rugs. The company harnesses renewable, recycled, and reclaimed fibers to craft products that minimize environmental impact, while promoting sustainable consumption and production in the textile industry.

New Weave combines innovative techniques with traditional craftsmanship to deliver unique, aesthetically pleasing, and functional pieces tailored to clients' needs. Their process emphasizes transparency, ethical practices, and responsible sourcing, collaborating with local and international partners to ensure that their

supply chain adheres to strict environmental and social standards. From private residences to commercial spaces, New Weave offers a wide range of rugs and carpets that not only elevate interiors but also contribute to a more sustainable future.

Their commitment to circularity extends beyond production. New Weave designs products with longevity in mind, encouraging reuse, repair, and recycling. They also actively engage in initiatives that promote eco-friendly practices in the industry, aiming to raise awareness and drive change towards a more circular economy."

Organization profiles



NewTexEco Research Community

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RESEARCH COMMUNITY



NewTexEco is a research community formed by five professorships with decades of experience in sustainable textiles: Fashion and Tactical Design (Artez University of the Arts), Sustainable & Functional Textiles (Saxion UAS), and Fashion Research & Technology and Fashion Identity (UAS Amsterdam).

By combining these expertise areas, we bridge the gap between textile production, fashion design, and circular business. Together with 30 industry partners, we aim to drive the complex transition towards a sustainable, circular, and regenerative textile sector. This requires a broad, holistic research approach that integrates existing and new knowledge through co-creation in three areas:

- Across various textile-related knowledge domains
- Within established and emerging textile sectors
- Among government, academia, business, and citizens (quadruple helix)

Our mission focuses on practice-based research. Our partners—ranging from independent fashion designers, textile producers, collectors, recyclers, to national and international platforms—play a central role. They identify challenges and hurdles hindering the transition and the knowledge and skills needed to overcome them.

Together, we initiate and conduct essential research aligned with regional, national, and European textile policies, applying and sharing results with students, educators, and the industry.

Organization profiles



Pakkethelden

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Pakkethelden is dedicated to clean city logistics. With a network of partners throughout the country, we offer several services:

- Pick up discarded textiles at shops or consumers and gather them at a central place.
- In our warehouses we can process the goods by sorting, cleaning, making pictures and storing what is deemed useful through AI.

We can be your local partner in collecting, temporarily storing and processing textiles.

Organization profiles



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Permess International in the Netherlands is specialized in development, production, sales and marketing of fusible and non fusible Interlinings. With its state of the art production facilities in the field of finishing, coating, laminating and slitting Permess offers a comprehensive range of textiles certified with Okotex, GOTS, GRS and HIGG.

In close cooperation with our subsidiaries in Italy, Turkey, United Kingdom, Egypt, Germany, Hong Kong and China and a network of agents and distributors the Permess products are worldwide available. Production locations are based in the Netherlands, Bangladesh and via partnerships and licenses in several Asian countries.

being used to produce interlinings for practically every garment style in the childrenswear-, ladieswear- and menswear market. The Permess machinery is partly powered by the use of 1500 solar panels.

Besides interlinings Permess offers a full range of pressure sensitive and thermosensitive coated textiles, papers and films used in the label market and sold under the name of Multistiq.

Via PMQ Industrial, the Permess products and technologies are also marketed in several industrial markets, for military applications, in home textiles and in medical hygiene products.

Organization profiles



The Permess coating technologies are water-based or based on 100 % solids. A wide range of REACH listed polymers and finishing recipes are

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Plant Partner B.V. is an engineering agency within the bulk material handling industry and is also involved in the common process equipment in the Pharmaceutical, Food and Chemical industries. Our delivery program includes: Bulk goods handling, Single-use technology, Solid-liquid separation (Nutsche filters, vacuum drying), Super centrifuges. We also have two test laboratories where we can simulate and validate the process.

For recycling textile we test this at our laboratory in Barcelona. We use a Nutsche filter because this efficiently handle both filtration and drying tasks. The Nutsche Filter is the ideal choice for this process, particularly due to its versatility and performance in handling solids-liquid separation. In the textile industry, Nutsche Filters are particularly advantageous for several reasons:

1. **Efficient Filtration and Drying:** Nutsche Filters offer excellent filtration capabilities while allowing drying in the same vessel. This is especially beneficial for textile processes, where moisture removal is crucial after chemical treatments like dyeing or finishing.
2. **Controlled Process Environment:** The equipment's ability to operate under pressure and vacuum conditions ensures precise control over temperature, pressure, and solvent recovery, which is essential when dealing with heat-sensitive or solvent-based textile applications.
3. **Material Handling:** The agitator in the Nutsche Filter helps manage the cake during filtration and drying, preventing clogging and ensuring even drying, which is critical for handling delicate textile fibers or slurry-based processes.
4. **Safety and Cleanliness:** Nutsche Filters are closed systems, reducing contamination risks.

Organization profiles



Ragnarøk

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RAGNARØK

Ragnarøk is on a mission to align environmental and social impact with innovative practices. We design and produce clothing and accessories with a focus on circularity and transparency, challenging traditional methods that harm the planet and exploit workers. Our products, including upcycled totes, ethically made apparel, and statement pieces, are created with a commitment to sustainability and quality.

Environmentally, we invest in materials that are left unused by the industry, so no stock goes to waste, while we also consider materials that ensure a longer product lifetime. Through our digital product passports, consumers gain full insight into the origins and impact of each item. By embracing upcycling and reimagining textile waste, we create durable pieces that tell a story.

On a social level, Ragnarøk prioritises fair labour practices, ensuring every person in our supply chain works under safe and dignified conditions. We actively collaborate with organisations like TIEM to measure and amplify our impact on workers' livelihoods, aiming to create a model for equity and inclusivity in the fashion sector.

Our long-term vision is to bring clothing production step by step closer to the Netherlands, reducing our reliance on international manufacturing and fostering local craftsmanship. Ragnarøk strives to set a new standard for fashion that benefits the planet, supports communities, and inspires consumers to be part of the change.

Organization profiles



ReBlend

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ReBlend

ReBlend

We are ReBlend, a social enterprise and network organization collaborating with designers, makers, brands, thinkers and visionaries. We truly believe it is possible to create circular canvas, t-shirts, jeans, towels and interior textiles from circular yarns. In this way, a much better balance between short-term consumption and long-term ecological impact will arise.

ReBlend wants to be a catalyst for a circular textile economy market. Textiles made from recycled materials only require a fraction of natural resources compared to virgin materials.

The way design, production and consumption are currently organized have a huge negative ecological impact on the world. At present, less than 1% of textile waste is kept in the production chain. The rest is mostly incinerated...

To belief it is important to be part of that industry to be able to create change. That is why ReBlend is exploring & producing its own textiles since 2016, largely made from discarded Dutch residual textiles. We make collections of interior textiles, canvas and denim in collaboration with designers and producers. The interior textiles provide innovative solutions for corporate environments as well as home interiors. The recently launched ReDenim2.0 offers denim with positive impact and creates jobs for people with a distance to the labor market!

Environmental savings per kilo yarn: 9.730 l less usage of water 13.8 kg less CO₂ emission
See reblend.nl for more information

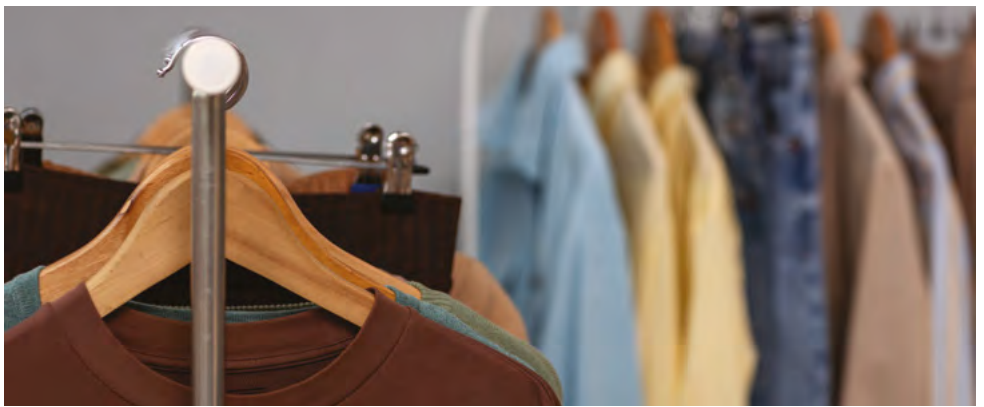
Organization profiles



Recommerce Apparel Solutions (RAS)

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We are RAS. We revolutionize clothing retail by bringing first-class quality secondhand clothing to stores. Selling secondhand clothing that are indistinguishable-from-new makes retail companies future-proof. Increasing revenue while being sustainable, a win-win. RAS is a concept by Boer Group, a Europe-wide leading organization in textile reuse and recycling.

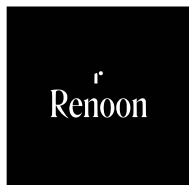
Organization profiles



Renoon Tech BV

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Renoon is a transparency technology company that transforms compliance into a strategic advantage for the fashion and apparel industry. It offers a comprehensive, end-to-end solution that addresses complex challenges posed by evolving regulations such as the Green Claims Directive, CSRD, and the French AGECL Law. Designed to meet increasing demands for transparency, Renoon's platform streamlines compliance management across all business areas, from product development to supply chain oversight.

data, Renoon not only ensures adherence but also enhances market competitiveness, as demonstrated by its adoption across leading European and global companies.

With the rise of sustainability-focused legislation, Renoon positions companies to stay ahead by converting compliance obligations into opportunities for growth. By building trust with both consumers and regulators, Renoon supports brands in driving positive change and securing their place in a future shaped by transparency and sustainability.

Through its modular and integrated system, Renoon enables brands to implement digital product passports (DPP), conduct lifecycle assessments (LCA), and manage data validation and supply chain mapping seamlessly. By turning regulatory requirements into structured

Organization profiles



Rethink Fashion

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Laura Vicaria is founder of circular fashion consultancy Rethink Fashion. Her work extends to supporting key value chain partners in achieving their unique circularity objective. This may be in defining a key strategy, managing key projects with a circularity focus, or providing interim support to ensure continued progress in circularity efforts. Her clients have included the Denim Deal (as program manager), REV'IT, DAWN Denim and Mended. She has held key circularity related roles in MUD Jeans, Tommy Hilfiger and Calvin Klein. She is also a proud children's book author on the topic of circularity, and co-founder of SWAPMODE and initiative leveraging positive experience of swap parties to build a culture of circularity.

Organization profiles



RethinkRebels BV

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At RethinkRebels, we are dedicated to accelerating a more sustainable and innovative fashion industry that benefits people, the planet, and profit. With over 25 years of experience, we've supported 75+ clients in 10 countries, including brands like Fabienne Chapot, Studio Anneloes, Carhartt, MEXX, and retailers such as Wibra and Scapino.

What sets us apart is that all our experts come from the fashion and lifestyle sector, giving us the ability to simplify complex sustainability and ESG concepts into actionable steps for fashion brands and retailers.

Our core values—collaboration, innovation, regeneration, and positive change—guide our services, which include ESG risk management, sustainable strategy development, lifecycle

assessments, GRI reporting, B Corp certification, CSRD compliance, GOTS/GRS/RCS certifications, and outsourced sustainability management.

A key initiative is the 100x1000 Upcycling Club, where brands like Viktor & Rolf, Martan, 10DAYS, Patta, MUD Jeans, and Zeeman commit to upcycling 1,000 garments annually, partnering with circular designers to drive meaningful change.

Through our online academy and tailored training, we empower fashion professionals to rethink sustainability. Our mission is clear: the fashion industry can lead responsibly, making a positive impact across the value chain.

Organization profiles



RietGoed

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In the Netherlands, we have a lot of peatlands. To make these areas usable, we began draining them centuries ago and still keep the groundwater level artificially low. This allows oxygen to reach the peat, causing it to decompose, leading to land subsidence and the release of stored CO₂. These negative consequences have gained national attention, and the groundwater level must return to a more natural state. However, this would mean that farmers' current business models would no longer be viable. As a solution, alternative agriculture is being explored, such as the cultivation of wet-fiber crops like the cattail plant. A sustainable business model for farmers could also help make the landscape future-proof.

Textiles are among the highest-value applications of raw materials. That's why I'm researching, together with Rietgoed, the possibility of producing textiles from cattail. By extracting the fibers from the leaves, spinning them, and weaving them into fabric, we create a surprising yarn. Currently, this exists only on a small scale, but if it can be scaled up, it could provide a viable model for farmers, especially if the yarns are used in household textiles or clothing. Then textiles could become a solution to many societal issues rather than a problem.

Organization profiles



Route Circulair

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Route Circulair takes organizations on a journey of impactful change. We guide you through several options with circular business as the destination. By working with 10,000 organizations to make the circular step before 2030, we are creating a sustainable future. We do this by offering circular strategy and organizational change advice, through our science-based Circular Maturity Assessment and by guiding value chain cooperations. By working together, connecting parties, bringing together expertise on different topics and providing a customized approach for everyone we accelerate the transition towards a circular economy.

Within circular textiles we have guided fashion companies and brands in developing their circular roadmap, taking into account laws and regulation to adhere to but also measures to become a 'circular frontrunner'.

Additionally, we support start-ups in developing their Investor Memorandum and support their funding processes when we believe in the future of their proposition. Through our Circular Maturity Assessment, we are able to advise a broad range of organizations about how embedded circularity is in their business processes, ranging from operational themes to cultural and strategic themes.

Organization profiles



SaXcell BV
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The business of SaXcell BV is recycling cotton waste into a new fiber and ultimately into brand-new textile products. SaXcell has developed a unique process yielding cellulose pulp of exquisite quality. With this process we can remove polyester from cotton/polyester blends and meet the strict requirements as required for the lyocell process. This pulp is processed by our partners in the lyocell process and that results in SaXcell fibers that subsequently can be applied to make SaXcell yarn and from that, all kinds of textile products. That means that our customers are yarn spinners and further down the chain the textile product producers. At our location in Enschede SaXcell is busy building a cellulose pulp technology and knowhow centre that will include an R&D lab, pilot and test facilities, and a larger semi production plant that can produce 750 tons of cellulose pulp per annum. With the recently

developed SaXcell 2.0 process we have a very efficient process with a very positive LCA, and SaXcell will continue to improve even further.

Organization profiles



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Schijvens Corporate Fashion is a family business that has been designing, producing, and distributing corporate clothing since 1863, with 160 years of experience and craftsmanship. Over time, it has built an impressive client base, including brands such as Albert Heijn, NS, KLM, Transavia, CSU, Kruidvat, Etos, Hema, Praxis, McDonald's, Sligro, Makro and Intratuin.

Schijvens follows a strict CSR policy, focusing on respect for people and the environment. Since 2010, Schijvens has been a member of the Fair Wear Foundation, which monitors working conditions at production sites. With a 100% monitoring score and 88 out of 100 points, Schijvens is ranked in the Leader category. The company also won the Best Practice Award in 2017 for its living wage tool.

In 2017, Schijvens launched its first 100% recycled collection and has since aimed for 100% circular production. Every step taken since then is directed toward making the world more sustainable.

In early 2021, Schijvens introduced its Return Logistics program in collaboration with PostNL. Through this initiative, old corporate clothing is collected from customers and recycled into new workwear. This program leads to environmental savings of 96% water, 36% energy, and 20% CO₂ emissions in an industry that is considered the second most polluting globally. Schijvens and its customers are committed to ensuring that no waste ends up in landfills or is incinerated.

Curious about our sustainable journey?
Visit our website: www.schijvens.eu

Organization profiles



Schmits Chemical Solutions

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Schmits Chemical Solutions offers 50 years of experience in the international textiles and non-woven industry. We develop and produce formulations that can be used in all sorts of textile processes: making textiles flame retardant, water and dirt repellent, printable and suitable for various coating techniques (dot-, foam -, full surface coating, padding, spraying and kiss roll). This way we have built up a comprehensive product portfolio in combination with extensive application knowledge.

It's also – and above all – our willingness to share knowledge and work together with our clients and suppliers to come to the most sustainable solution that fits. Sustainable means that all our products are waterborne, all our flame retardants are halogen and antimony free, that we have developed a range of fluorine free (PFAS-free) repellents and coating solutions that are fully recyclable.

Schmits is based in Almelo, in the Twente region. Having our own R&D department and a multi-functional pilot plant makes a great deal possible. Being located in Twente, we have one of the most innovative ecosystems in the Netherlands – with a rich textile history – within reach.

One of our main circular textile product developments is the recyclable back coating. A back coating ensures anchoring of the pile and stability of the carpet. Many backings are made up of SBR-latex. In combination with for instance a polyester yarn, the end product not recyclable. Ultimately, carpets have to be burned, or they end up in landfills (only about 3% is recycled at the moment). The recyclable back coating of Schmits makes the production of a mono carpet possible: a carpet made from one material (e.g. PES-, PP-, PA-based), enabling the recycling of the carpet when it's end of life.

Organization profiles



Sock Source by Vodde b.v.

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Vodde is a Dutch company dedicated to creating eco-friendly, high-quality socks and yarns by repurposing old textiles.

Their innovative process transforms discarded fabrics into recycled yarn, which is then used to knit their products. Vodde partners with several organizations to collect approximately 28 million kilograms of textile waste annually, including items like old police uniforms and production scraps. These textiles are sorted by color, quality, and material, then shredded and spun into new yarn.

After quality testing, Vodde designs and knits socks with distinctive patterns and styles, ensuring durability and comfort. The company offers various collections, including sports, work, retro, and customized logo socks, for individuals and businesses aiming to support sustainable fashion. Beside that they also deliver their yarns to other producers of textiles. Their mission is not just about producing socks and yarns but fostering environmental awareness, encouraging customers to actively contribute to reducing textile waste.

Organization profiles



Spinning Jenny

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Spinning Jenny, founded in 2023, is an open-end spinning mill located in Nijverdal, the Netherlands.

At Spinning Jenny, we are pioneers in the development of high-end sustainable yarns with the use of recycled materials, spun for various applications in different industries. Our yarns are made from pre- and post-consumer textiles to create yarns for markets such as construction, workwear, automotive, household items and others. Our focus is on obtaining yarns of the highest quality with minimal environmental impact to reduce the carbon footprint of textiles.

The use of sustainably produced yarn from textile waste will play an increasing role. Through EPR, textile manufacturers are responsible for the collection, reuse, recycling and environmentally

friendly disposal of discarded textiles. With Spinning Jenny, we offer various solutions for these discarded textiles. This helps to reduce the environmental impact of textile waste.

Spinning Jenny is committed not only to reducing the amount of textile waste, but also to enabling the transition from a linear to a circular textile chain. Our commitment is to reuse discarded textiles as raw material for the production of more circular yarns, using state-of-the-art machinery.

Reducing textile waste has become one of our main goals. To achieve this goal, Spinning Jenny has an extensive portfolio of recycled yarns to support the circularity efforts of the textile market in Europe.

Organization profiles



Stichting Collectief Circulair Textiel

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Collectief Circulair Textiel (CCT) is the first impact-driven Producer Responsibility Organisation for textiles in The Netherlands. Our vision is that collaborative efforts lead to better and more widely accepted ideas and solutions. Therefore, we employ a distinctive form of governance: we embed inclusive decision-making models that encourage open dialogue and ideation, with transparency as a prerequisite. Together with producers, collectors, recyclers, municipalities, NGOs, and other stakeholders, we build an EPR system for textiles that creates a positive impact for people and the planet.

CCT works on:

- Stimulating collection systems and technologies that promote high-quality recycling;

- Encouraging reuse and repair, including through partnerships with socially-oriented organizations;
- Preventing the destruction of unsold goods;
- Creating incentives for the production of textiles with a focus on lifespan extension and recycling;
- Promoting system innovation and sustainable business models;
- Nurturing and stimulating public debate about the sustainability of textiles;
- Showcasing best practices of the producers participating in the collective, thereby fostering knowledge sharing;
- Advancing the position of biobased, natural fibers within EPR schemes and broader legislation.

Organization profiles



Stichting Leger des Heils ReShare

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RESHARE
TEXTIELHERGEBRUIK

The Salvation Army ReShare (hereinafter: ReShare) is part of the Salvation Army in The Netherlands. The statutory objectives of ReShare are:

- a) the collection of used goods, including textiles and shoes;
- b) distributing or making available the collected goods;
- c) creating employment for clients of the Salvation Army or others;
- d) (re)sell (collected) goods in our own ReShare Stores in the Netherlands;
- e) collaborating with companies that support the Foundation's objectives and thereby shape sustainability and social sustainability corporate responsibility;
- f) reusing and recycling collected goods in an environmentally conscious manner;

- g) providing emergency aid at home and abroad, as well as carrying out commercial activities and everything that is related to the aforementioned or may be conducive to this, all in the broadest sense of the word.

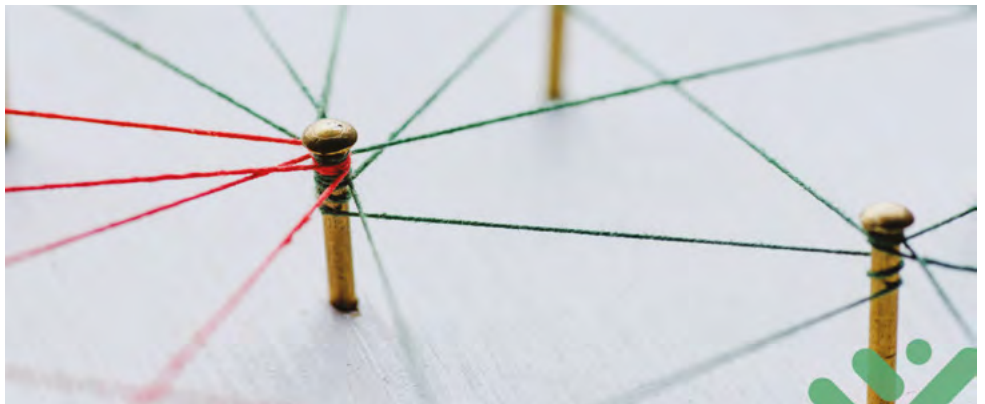
Organization profiles



Stichting Producentenorganisatie UPV Textiel

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STICHTING
UPV TEXTIEL
Samen circulair

For and by the sector; that is our starting point. We believe that we have the greatest impact with a collective approach. Therefore, as a producer organisation, we take the lead and build a collective Dutch Extended Producer Responsibility (EPR) system as a building block for a circular textile chain. We close the chain, push for innovation and system change to make circularity possible together. With currently over 850 participants we are working towards our mission.

Stichting UPV Textiel was established in 2022 by the Dutch trade associations Modint and INretail. As a producer organisation we work for the entire sector. In expert groups, we examine various subjects such as: how to build an affordable and efficient national system for collection and processing and how to best achieve the EPR

objectives for reuse and high-quality recycling of textiles. This way the market helps determine what works best for the sector.

We also collaborate with partners in the chain to further develop an effective and efficient textile management system, and encourage the innovations that are needed to enable the transition to circularity. Additionally we also seek cooperation to share knowledge, alignment and harmonize systems in other EU countries. International companies have an interest in doing so.

Organization profiles



Studio Haering

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HAERING

Studio Haering: Upcycling broken down abandoned tents into sustainable, circular and socially responsible bags, simple as that! At Studio Haering, we transform festival waste into sustainable, circular products. By upcycling tents that get left behind at festivals, we create high-quality bags, handcrafted in Rotterdam, reducing waste and CO₂ emissions.

Circular Impact: Festivals generate enormous waste—nearly 100 tons of CO₂ annually in the Netherlands from campsite waste alone. Our mission is to upcycle this waste, particularly tents, into stylish, functional bags. Each bag represents 80% saved materials and avoids 2.4 kg of fabric waste per tent, reducing emissions and making festivals greener. By 2030, we aim for zero waste from festival campsites.

Social Responsibility: Our commitment extends to social sustainability. We partner with social work-places and ateliers to provide job opportunities to individuals facing barriers in the job market. This ensures every product we create not only supports the environment but also empowers our community.

Our Partners: We collaborated with Kultlab already, having saved 120 tents from being discarded at Wilde Weide and Wildeburg.

We're only just getting started. Join us on this journey as we continue to create positive environmental and social change, one festival and one bag at a time.

Visit us at studiohaering.nl or follow us on Instagram @studiohaering

Organization profiles



Studio Wae

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studio wae

We make beautiful things from Wa(e)ste
Studio Wae's goal is to turn waste streams into products that will last a long time and create jobs for everyone.

In Europe, approximately 1.6 million tons of carpet tiles are thrown away or burned every year. Studio Wae has come up with a solution to this, processing carpet tiles with production defects from carpet tile manufacturers into modular rugs, flooring patterns and acoustic wall panels. Completely custom made. In doing so, Studio Wae gives waste a new meaning. All designs are an homage to M.C. Escher. You can determine your own color combination, design, shape and size.

These are created by overproduction or minor weaving defects, for example. However, the quality is the same and can therefore be very well reused. The raw materials for the concrete production are obtained from urban mining; old paving and demolition buildings. The tiles are 76% circular.

First big job for ProRail

Floor tiles by Studio Wae with the same design as the Cityscapes have been included in the collection of the M.C. Escher Museum in The Hague.

A precursor to the Cityscapes tile was the Right Wae line used for several NS train stations in 2019, marking Studio Wae's breakthrough.

Raw materials & materials recycling

The raw materials for our carpets come from residual materials from carpet manufacturers.

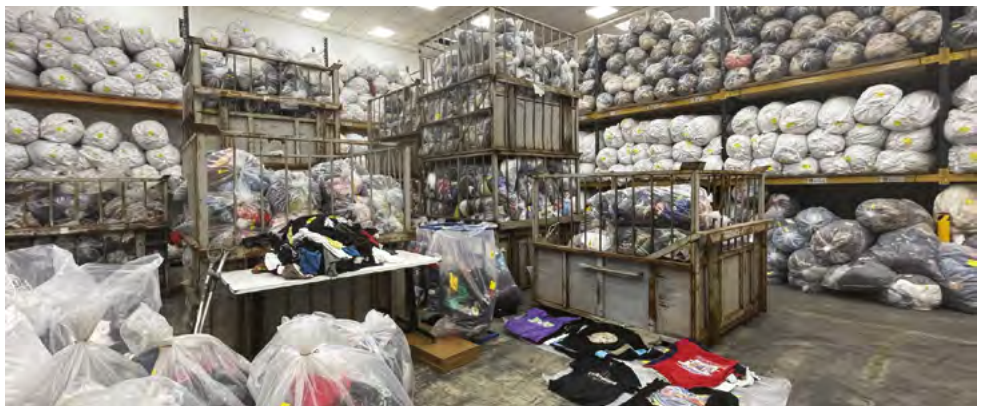
Organization profiles



Tardis Vintage

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Tardis-Vintage is a vintage clothing wholesale company that is part of Boer Group, one of Europe's largest textile recycling companies. The management of Tardis-Vintage has over 50 years of experience in vintage clothing, vintage retail and vintage wholesaling. Our expert knowledge of yesterday's, today's and tomorrow's fashion in vintage clothing, shoes and accessories helps us cater to you, the customer. We specialize in new trends and are on top of the 'next big thing'.

Vintage clothing, second-hand clothes, hippy clothing or retro fashion. Whichever you choose to call it, we make sure you get what you want for your retail outlet, wholesale company, web shop, market stall or remade/upcycling atelier.

Organization profiles



tex.tracer

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The entire fashion supply chain must act to become future proof.

At Tex.tracer, we believe that transparency is the basis for the needed change in the industry. To measure is to know. Through the latest technology we empower companies, consumers and other stakeholders to act based on the truth.

In Tex.tracer's ideal world, everybody refers to value chains when talking about their supply chain. Each supplier is considered as added value instead of a potential risk for a brand's reputation and revenue. Managing a value chain is based on data-fed information (the truth) which is easily accessible and understandable to all.

Tex.tracer is the transparency platform that empowers companies, consumers and other stakeholders to act based on the truth.

The platform collects product and supply chain data from primary source by connecting with supply chain partners and verifies this data using time- and geolocation stamps, peer-to-peer reviews and blockchain technology. This data empowers brands and retailers to improve their product and supply chain on environmental and social level and share this information externally via a Digital Product Passport with verified product journey and footprint information.

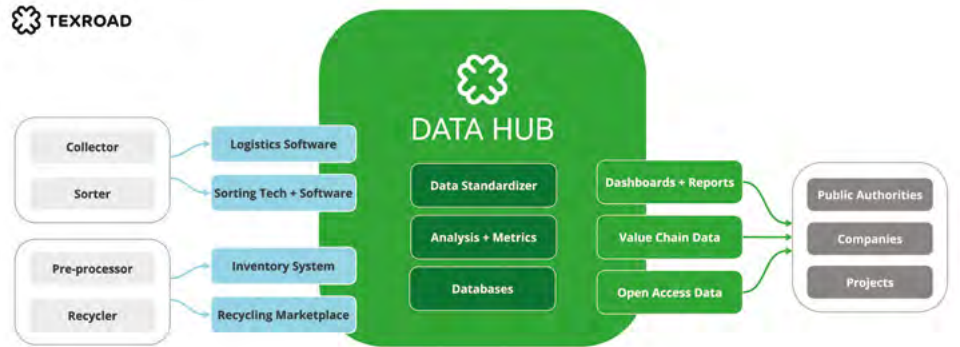
Organization profiles



TEXroad Foundation

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Data is a crucial building block for circular textiles. It's a must-have for companies, researchers and consortia to deliver and scale feasible solutions. The public sector and PROs also need it to create strong economic incentives through public-private partnerships, policies and funding mechanisms. Today, data is time consuming, disconnected and difficult to use. We fix that.

TEXroad works with municipalities and their textile partners, projects, digital solutions and other actors to make data useful and efficient. We connect existing software, our tools and other data sources to create maps and dashboards, set baselines and targets, measure performance and produce machine-readable data for many uses.

For example: connected dashboards help municipalities, collectors and sorters address

collection and sorting issues together; feedstock shipment reports combine data from sorting sensors and production software to give textile recyclers key details about their input supply.

TEXroad is the foundation for data as a common language to connect the public and private sectors and optimize the carbon footprint and economics of textile circulation. We are a neutral party working with multiple stakeholders and across borders to align and exchange high quality circular textile data, making it a powerful tool to co-develop solutions for textile waste and the circular economy.

Our network includes: PESCO-UP, CIRPASS-2, T-REX, DMI-Ecosysteem, GROS, TEXPOWER and many others. Contact us.

Organization profiles



Textielmakers

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Textiel makers

Textielmakers is founded because we believe in a Dutch textile industry for two reasons. 1. to make textile products circular, we need local production capacity. 2. It provides jobs for people with a large distance to the job market. We employ people with a past (detention, homeless) and with mental (autism, low iq) and physical challenges.

Our end goal is a place where old clothing is put in and we refiber, spin, weave and process it back into new textile products. We invest in machines to make better products in a cheaper way with a higher quality. We started this process with sewing, and we offer 4 kinds of services:

1. We wash and repair clothing.
2. We upcycle banners, sails, clothing and sunscreens into bags, laptopsleeves, beanbags and the like.
3. We produce small batches for local designers

varying from clothing to accessories and technical products.

4. Personalised items like printing on t-shirts and made to measure.

We work with 4 principles:

1. With production-on-demand we only make products that are already sold. By producing locally, implementing LEAN techniques and smart use of IT we keep delivery time as short as possible.
2. Local production makes it relatively cheaper to use better material. This makes the product more sustainable, easier to repair or recycle afterwards.
3. A personalised item has more value for the customer therefore taking better care for the products
4. Producing products from reclaimed cotton, wool, flax and hemp.

Organization profiles



Textile4Ever BV

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Textile4Ever B.V. is a Netherlands based purpose driven start-up focussed on textile-to-textile recycling for polyester rich textiles. It has an exclusive license for textile to textile recycling using the CuRe Technology (www.curetechnology.com). The CuRe Technology is used for the molecular recycling of polyester and Textile4Ever develops additional technologies for preprocessing of textile feedstock and downstream processing back into fibres and yarns. Building on the world class assets in Emmen, The Netherlands of CuRe Technology, Textile4ever will build circular ecosystems to close the loop for textile products, starting in The Netherlands but with the aim to rapidly expand the impact through international collaborations.

Organization profiles



TextileLab Amsterdam | Waag Futurelab

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TextileLab Amsterdam is part of Waag Futurelab, an organization committed to the research, design and development of a sustainable, just society. In this context, the TextileLab researches, questions and speculates how we can transition the textile and clothing industry to become more sustainable and value driven.

Projects like REFLOW, culture.fashion, SheMakes, TCBL and Local Color, demonstrate the TextileLab's commitment to a regenerative economy, sustainable value flows and networks, as well as material research and innovation. This goes hand in hand with exploring hands-on alternatives for design, fabrication and production. These projects also show the lab's eye for the socio-cultural layers of textiles and clothing, and the dedication to fostering a supportive (caring) open, fair and inclusive culture that is necessary for

the transition towards value-driven, circular and sustainable textiles to happen.

The TextileLab's wide range of operations and outcomes all feed into education innovation, supporting the change of this field starting from existing educational structures. In parallel, in the annual professionalization programme Fabricademy, this knowledge and way of working is transferred and then implemented in our own research projects, in which innovation happens at the intersection of textiles, materials, biology and digital fabrication.

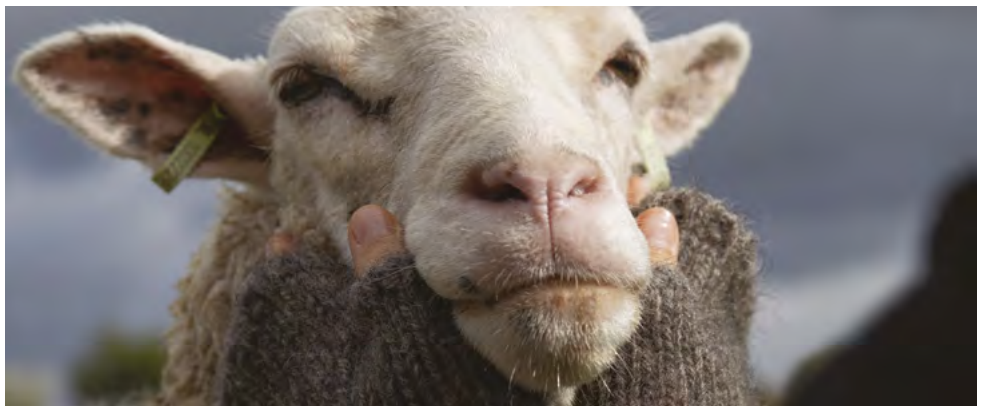
Organization profiles



The Knitwit Stable

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The Knitwit Stable.

The potential of over eight hundred thousand kilos of shorn wool in the Netherlands is not fully utilised each year. The Knitwit Stable, located on a farm in Baambrugge, is a small-scale production factory and knowledge institute that is committed to the revaluation and sustainable processing of Dutch wool. What started with four animals, grew into a flourishing herd of Angora goats and Merino sheep and an ambitious mission: to produce fair wool products with respect for nature, animals and community that seamlessly combine craftsmanship, tradition and sustainability. Inspired by regenerative leadership, the team is working on a bio-circular production chain in which nature, craftsmanship and sustainability come together.

Organization profiles



The Linen Project

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the linen project

The Linen Project started in 2018 with the question of whether it is possible to grow your own textiles again in the Netherlands with the aim of restoring relationships and rediscovering and reactivating vital knowledge of making processes. It is a long-term learning by doing project around growing and processing flax. The Netherlands has a long history with flax, but knowledge about it is hardly present among consumers anymore.

The Linen Project puts into practice different approaches to flax production and how to process it into linen; the Shared Stewardship (around manual processing) and a Collective Value Chain (around industrial processing). Together, these new value chains form: The Linen Economy.

Through the production of Linen Kavelen 700 meters of cloth and research with textile partners from

the industry, we have laid the foundation for a value chain of local linen. All partners in the chain know each other and understand each other's challenges and expertise: a relational value chain.

The self-organizing participation model Shared Stewardship focuses on knowledge development and transfer, shared responsibility and active citizenship. The model embraces the commons as a starting point. The manual approach is essential to understanding the processes and the relationship to and appreciation of the materials and outcomes. The Linen Project has developed a handbook and guidance model to make this model transferable.

Future plans include expanding collaborations with textile partners and engaging interested parties in growing and processing flax to produce their own textiles.

Organization profiles



TNO

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TNO innovation for life

Circular Textiles are incorporated in our Materials Transition for a Circular Economy portfolio. We have unique capabilities for assessing the current textile chemicals & materials encompassing all types of textiles, applying our circular plastics expertise and design for recycling to close the textile materials loop. We team up with value chain partners and advise on design for circularity, thus supporting the systemic change to a circular economy. We can also apply our circular by design principles to link a sustainable raw material to a specific textile application for a true circular solution.

We have a proven track record in (customized) testing of the behaviour of processes and materials linked to the polymers for textile products.

Our expertise for Circular Textile includes:

- Polymer characterization including mechanical properties, quality in-use and in-process

- Microplastics characterization, formation, and prevention
- Technologies for separation, sorting, and recycling (extrusion, solvolysis, thermo-chemical)
- Design for circularity of Textile products
- Impact assessment of Textile products including LCA
- Systemic change assessment for transition to circular economy
- Design of novel bio-based polymers (using among others machine learning)
- Digital product passports
- Safe and Sustainable by design principles

Our team of multi-disciplinary specialists and facilities allow a broad range of possibilities and enable the exploration of innovative developments.

Organization profiles



Tricorp

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Tricorp Workwear is the European brand for workwear! Together with our team, we work every day to develop and supply the best and most sustainable work clothing. Over the past 30 years, we have built up a large dealer network of 1,500+ dealers and are active in 18 countries.

At Tricorp, safety, top quality and functionality come first, but we also rock when it comes to comfort, style and sustainability. From XS to 8XL, we got you covered, because we want to make every professional shine. With a range of more than 10K items and fast 24-hour delivery, we are very flexible and always on point for our customers. In addition to our ready-to-wear workwear, we are also specialists in custom-made work clothing, so that we can meet all specific wishes.

Sustainability is key at Tricorp. We focus on high-quality workwear items that contribute to circularity and building long-term relationships with partners. Our focus is always on using today's raw materials for tomorrow's production. We strive to make working pleasant, worry-free, and safe, without compromises. Collaboration is central, with respect for each other and everyone's background

International cooperation is of great importance, because together we can achieve more than alone. We work as a team on our brand ambition and strive for the best possible result. This requires dynamism: we adapt to changes in our environment, new needs of our customers and other stakeholders, such as our suppliers.

Organization profiles



United Repair Centre

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United Repair Centre is an innovative social enterprise providing B2B clothing life-extension solutions for global brands and retailers. Committed to the principles of circularity and inclusion, United Repair Centre envisions a world where everyone and everything can thrive in unity.

With a mission to revolutionize the clothing industry, United Repair Centre offers a one-stop shop for circular solutions, providing Repair, Renew and Remake services. Enabling brands to create value through circular offerings to their customers and make tangible social and environmental impacts in compliance with regulations.

Supported by a robust tech platform, United Repair Centre delivers consistent high-quality life-extension services across regions. The Repair Management Platform creates a plug and play solution for brands and retailers to manage their re-use operations while offering their customers a great customer experience.

United Repair Centre currently operates from hubs in Amsterdam and London, with expansions planned throughout Europe. Furthermore, it is expanding its impact through education, offering training programs at their repair academy in Amsterdam.

Organization profiles



Waardeer je kleren

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WAARDEER JE KLEREN

Appreciate your clothes! Daniëlle works on one hand with companies, organizations and governments. On the other hand, on education.

How many clothes do you have? She is focusing on the average of 50 wardrobe items which are not in use. She has made an education book for primary schools with stories and lessons in 2020. The book with 5.000 pieces was sold out quick. The book's title is 'De wereld van kleding'. The book is still for rent in more than 200 Dutch libraries. The last years she has made more educational material about 'appreciate your clothes' for teenagers and the teachers. You can find the digital version of the book and the materials on her website: waardeerjekleren.nl

What does circular means? Daniëlle is using the R-strategy to learn everybody much more what circular is or can be. With simple actions like rethink, better quality (it might be cheaper in the end), good service & care and mono-materials. Reduce the amount of clothes and **forever** reuse clothes as clothes first. She has also set up a repair promotion corporation with local tailors and shoemakers, paid by the local government. And she is trying to keep things simple (which is not easy) like for example, before the start of circular procurement.

Daniëlle can be booked as a speaker to inspire the audience, to give a workshop but also to work together with you on a topic or project towards more circular textiles.

Organization profiles



Wear2Go B.V.

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Wear2Go is a forward-thinking company advancing sustainability in the textile industry through innovative circular textile solutions. Our efforts are making significant strides in promoting eco-friendly, circular practices within the sector. A key innovation is their Wear2 Ecostitching Technology, which is a unique stitching method designed to simplify the disassembly of textile products. This technology uses a special thread that can be easily removed without damaging the fabric, enabling efficient recycling and reuse of materials, thereby accelerating the transition to circular textiles.

of complex textiles into monomaterials, making it easier to recycle them at a higher quality and efficiency.

In addition, Wear2Go has developed a digital platform that enables track & trace of textile products throughout their lifecycle. This platform provides detailed disassembly instructions and offers complete transparency into the materials used in each product. By doing so, it ensures that textile recycling is not only efficient but also fully traceable, contributing to a more sustainable and circular textile industry.

Organization profiles



Another critical innovation from Wear2Go is their innovative Tunnel Disassembler, a system that disassembles textile products into their component materials using electromagnetic energy. This method allows the transformation

Wolkat

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Wolkat is a family business founded in 1948, in Tilburg. Since then, Wolkat Group has expanded resulting in a Moroccan/Dutch company specialized in recycling of post-consumer textiles and operates across various stages of the circular textile supply chain, focusing on transforming textile waste into new products. Wolkat follows a closed-loop recycling system, meaning they manage the entire lifecycle of textiles—from collection and sorting to recycling and producing new materials or products. With locations in the Netherlands and Morocco. The first sorting step for either reuse or recycling takes place in The Netherlands. Following the recycling sorting fractions are exported to the Wolkat facilities in Tanger, Morocco. In these facilities Wolkat sorts approximately 50 tonnes of non-rewearable post-consumer textiles per day for recycling. Part of this is recycled into nonwoven and part into yarn.

Following the recycled yarn is woven or knitted into textiles. Lastly the recycled textiles are made into finished products such as bags, pillowcases or clothing.

Organization profiles



Zeefier

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Organization profiles



ZONklaar B.V.

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Organization profiles



Zeefier empowers the textile industry to achieve its sustainability goals by providing an innovative, industrial-grade textile dye made from seaweed and its by-products. Our dye offers a circular, eco-friendly solution, setting us apart from conventional dyes. It is chemical-free, biodegradable, and produced without the need for agricultural land or fresh water, significantly reducing its environmental impact. By utilizing rapidly growing seaweed, we address the industry's demand for sustainable practices while preserving valuable land and water resources.

We offer a comprehensive, plug-and-play natural dyeing solution that integrates seamlessly into existing textile production processes. This allows manufacturers to adopt sustainable methods without overhauling their current systems. Our dyes meet the high-performance standards of the

textile industry, ensuring that sustainability does not compromise quality or efficiency.

Additionally, our dye helps reduce water pollution and chemical runoff, promoting healthier ecosystems. By using our solution, businesses can maintain production efficiency while transitioning to greener dyeing methods. We are committed to helping the textile industry reduce its ecological footprint by providing a scalable alternative to traditional dyes.

Our mission is to empower the creation of beautiful textiles with minimal environmental impact, driving a future where sustainable fashion becomes the norm. At Zeefier, we believe that with the right innovations, the textile industry can thrive while respecting the planet, offering an eco-friendly textile coloring made from seaweed and its side streams.



ZONklaar is a leading provider of cleaning, impregnation, and maintenance services for a range of outdoor textiles, including boat tents, tarpaulins, and awnings.

Our laundry facility is located in Sneek. We utilize an in-house developed, unique cleaning method and a professionally equipped laundry facility.

We guarantee that our services will extend the lifespan and maintain the appearance of your boat tents, sails, or outdoor awnings. Orders can be placed through our extensive network of collection points. These are primarily sailmakers located in the Netherlands, Germany, and Belgium.

We clean the items and then return them to the sailmaker, having made them dirty-resistant and water-repellent. If necessary, the sailmaker can perform any required repairs and then deliver the item back to the customer.

In addition to cleaning and impregnation, we are actively involved in testing alternative post-treatment agents (impregnating agents) that do not contain harmful substances such as fluorocarbon. This still ends up in containers and then in incinerators. Through our network of these processors, we can collect these streams, and we are working to identify an alternative solution that will allow us to reuse them as raw materials or in products.

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