

INTERWOVEN RISKS, UNTAPPED OPPORTUNITIES

The business case for tackling water pollution in apparel and textile value chains



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To read company responses in full, please go to https://www.cdp.net/en/responses

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KEY FINDINGS



Transparency and disclosure on water security is low among companies in the apparel and textile sector.

- 54% of apparel and textile companies (brands, manufacturers and retailers) failed to report crucial water-related information through CDP when requested to do so by investors or purchasers in 2019.
- Only 21% of the largest 100 apparel and textile companies by market cap reported waterrelated data through CDP.



Water pollution risks are prevalent across the whole apparel and textile value chain, but the majority of companies disclosing through CDP remain blind to these risks.

- 21% of disclosing companies report water pollution risks that have the potential to pose a substantive financial or strategic risk to their business. The majority of these reported risks were identified in the manufacturing stages of the value chain.
- Only 8% of disclosing companies reported substantive risks associated with raw material production, and not a single company considers pollution at the product use and disposal phases to be a substantive risk to their business.
- Less than a quarter of responding companies (23%) dislosed water pollution-related targets or goals anywhere in their value chain; only 6% monitor and report progress against these targets.



The business opportunities associated with tackling water pollution appear to be underestimated, but are there to be seized. Some companies are beginning to respond.

29% of disclosing companies reported business opportunities related to reducing water pollution, totalling US\$184 million. Three opportunities alone are estimated to be worth US\$174 million.



The importance of building business resilience has never been more important; there is no better time for companies to take action.

- Investors, regulators, customers and consumers alike are mounting pressure on apparel and textile companies to transparently measure, manage and reduce their impact on the water environment across their whole value chain. Companies that act quickly will gain a competitive advantage and become leaders of a renewed and sustainable fashion industry.
- Addressing water pollution should be a key component of revised business strategies in the wake of the COVID-19 pandemic.

The data and findings of this report are based on the 62 companies who disclosed through CDP's water security questionnaire in 2019 and have activities within the apparel, footwear and household textiles sector. Throughout this report the use of "apparel and textile" is used to encompass the apparel, footwear and household textiles sector.

KEY ACTIONS FOR COMPANIES

1 Consider the whole value chain (raw material production through to product use and ultimate disposal) in your company's water-related risk assessments, targets and strategies.

- 2 Incentivize effective water pollution mitigation through:
 - ▼ the implementation of C-suite incentives related to water.
 - ensuring that pollution is designed out at the product design stage.
- 3 Invest in solutions such as sustainable materials, circularity and technological innovation to boost efficiency, resilience and brand image.
- 4 Engage and develop relationships with all your suppliers to improve awareness of, and tackle, water pollution risks. Use CDP's supply chain program to request water disclosure from your suppliers.
- 5 Build trust with your stakeholders by transparently disclosing your water-related metrics annually through CDP's disclosure platform.

INTRODUCTION

The apparel and textile industry is one of the largest industries in the world, both in terms of annual revenue (over US\$2.5 trillion pre-pandemic¹) and environmental degradation².

The global proliferation of fast fashion³ has had, and continues to have, a significant detrimental impact on the natural environment. Over the last 20 years there has been a twofold increase in the amount of clothing produced⁴, despite a global population increase of only 28%. If the negative environmental and societal externalities associated with the apparel and textile industry were addressed, the benefit to the global economy is estimated to be upwards of US\$190 billion / year⁵.

The availability of sufficient amounts of good quality freshwater is vital for health, livelihoods, ecosystems and economic production and yet cannot be guaranteed in many regions of the world. The apparel and textile sector exacerbates global water scarcity through excessive freshwater consumption (in 2015 alone, the sector used 79 billion cubic metres of water), and through its substantial contribution to water pollution⁶.

Despite strides in recent years to reduce water pollution in the sector's global value chain through Greenpeace's DETOX campaign⁷, NRDC's Clean By Design programme⁸, the Sustainable Apparel Coalition⁹, ZDHC¹⁰ and more, there remains a lack of urgency across the sector to tackle the issue, as this report highlights.

A recent review by the World Bank revealed that water pollution can significantly reduce economic growth¹¹. It also poses serious risks to businesses. The apparel and textile sector faces widespread material risks from its contribution to water pollution across the whole value chain. Yet with these risks comes an exciting opportunity for companies, and the firms financing them, to address the issue, increasing their resilience and opening the door to substantial financial rewards. The COVID-19 pandemic has reinforced the need for resilience in supply chains and business operations¹². The apparel and textile sector, as a whole, is insufficiently prepared for crises. The impact of COVID-19 on the industry has emphasized this, with the average market cap of apparel and textile companies dropping by almost 40% between January and March of 2020¹³, much steeper than the overall stock market. Many companies feel that they now stand at a crossroads, choosing between short-term economic gains, or doubling down on their environmental commitments¹⁴. Companies that respond by taking action to accelerate the green transition will increase their ability to mitigate and respond to future shocks and crises, including those posed by water pollution.

Investors, regulators, purchasers, consumers and civil society are paying close attention to which path these companies take. They are calling for apparel and textile companies to be transparent on environmental and social issues and take action aligned with business resilience and water security for all. Those companies which act quickly, and are transparent with their actions, will become the leaders of a renewed fashion industry.

The impact of the apparel and textile sector on water pollution



Cotton production accounts for **16%** of all insecticides used worldwide, a significant proportion of which are washed out of soils, polluting rivers and groundwater bodies. In 2017 alone approximately **50** farmers died, and a further **800** admitted to hospital in Maharashtra, India, due to the overuse of insecticides on cotton crops¹⁵.

2 Factory (national level)

The textile manufacturing sector contributes **US\$28 billion** a year to Bangladesh's export revenue, and discharges an estimated **217 million** cubic meters of polluted wastewater into the environment. This contaminated water is widely used to irrigate fruit and vegetables which are sold nationally and internationally. This produce has been found to contain arsenic, chromium, mercury and textile (azo) dyes, substances that can be mutagenic and carcinogenic to humans^{17,18}.



A truly global issue¹⁹: the washing of 1 kilogram of synthetic garments can release between **640,000 – 1,500,000 microfibers**²⁰. It was recently discovered that microplastics can enter and accumulate in human body tissue, however the health implications are not yet known²¹. Over **92 million** tonnes of textiles are disposed of each year, much of which goes to landfill²². Depending on the structural integrity of the landfill site, landfill leachate, containing microfibers, dyes and other toxic substances which remain on fabrics, may seep into and pollute local groundwater and surface water sources²³.

* This is a revised version of the infographic which appeared in the original version of this report. The original version contained unverified information.

A RISKY VALUE CHAIN

Water pollution is prevalent across the whole global apparel and textile sector value chain. from the production of raw materials, through to the ultimate disposal of clothes, shoes and household textiles.

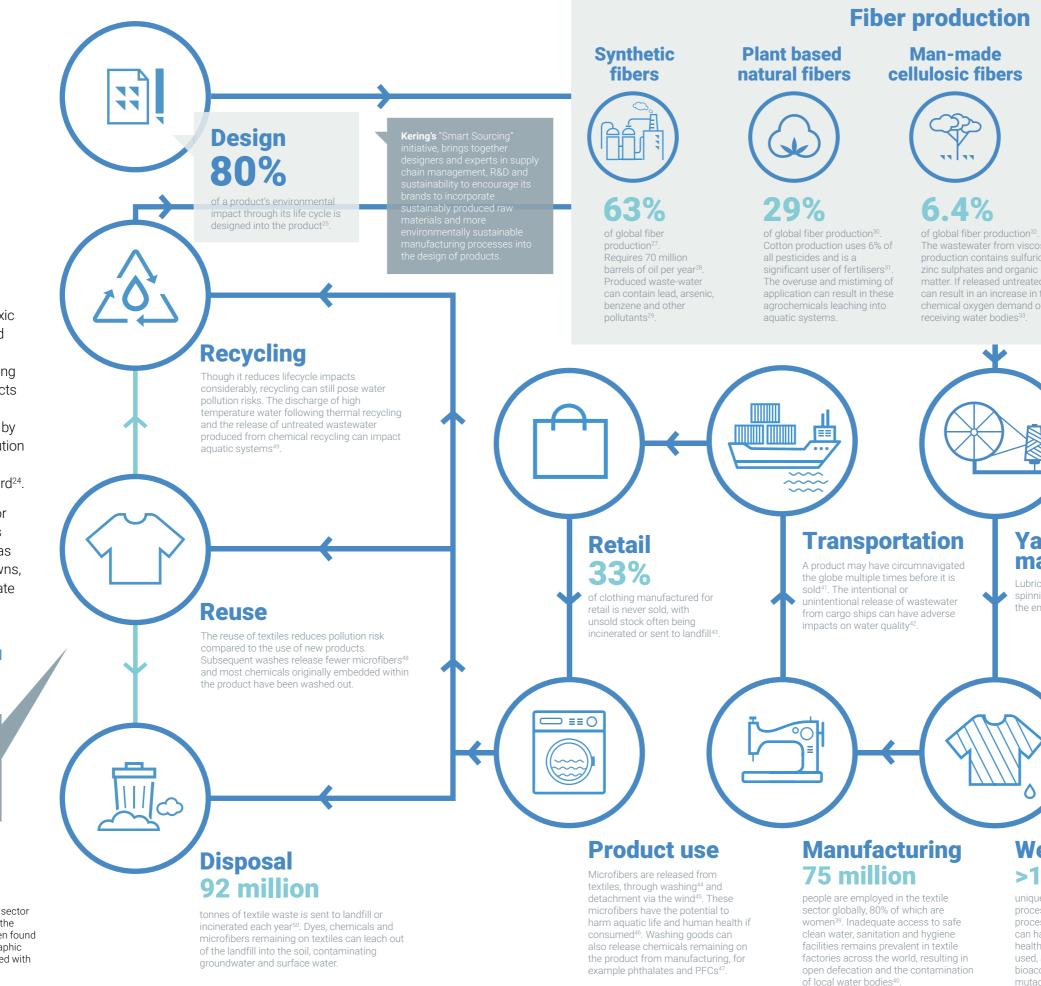
The generation and emission of toxic chemicals pollutes rivers, lakes and aquifers - which are used by local communities and businesses among others - leading to knock-on impacts for human health, livelihoods and economies. Recent data compiled by the World Bank suggests that pollution can reduce economic potential of downstream areas by up to one third²⁴.

Companies operating in the sector therefore face a multitude of risks stemming from pollution – such as regulatory penalties and shut-downs, losing their social licence to operate and damaging their brand image.

These risks can be tackled, managed, and even transformed into opportunities.

Kering reports that it is committed to expanding the scope of its

NOTE: This is a illustrative view of the apparel sector value chain. The number of actors involved in the production of a single textiles product has been found to surpass 50⁵¹. The information in this infographic is not an exhaustive list of pollutants associated with each stage of the value chain.



The wastewater from viscose production contains sulfuric acid, matter. If released untreated this can result in an increase in the chemical oxygen demand of

Livestock



Kering calculated totalled **€68** million per year,

of global fiber production³⁴. Livestock excreta contains nutrients, pathogens and, due to modern veterinary medicines, heavy metals, hormones and antibiotics. These pollutants can be mobilised and enter

Gap Inc. is committed to acquiring mo sustainable raw materials by:

Yarn manufacture

Lubricants, accelerators and solvents used in the spinning and weaving stages may be released into the environment if wastewater is untreated³³

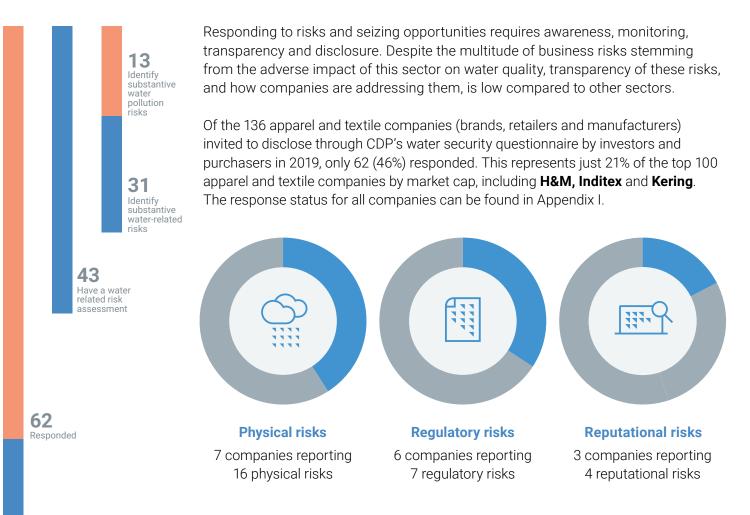
H&M acknowledges the importance of developing and maintaining strong relationships with all their suppliers to ensu-they all consistently report water performa through the Higg Index, conducting regular site visits and incentivising high performan with more orders.

H&M also reports developing innovative methods for wet processing that help mitigate water pollution risks in the manufacturing stage. The company recer invested in Colorifix, an industrial-scale

Wet processing >15,000

unique chemicals are used in traditional wet processing³⁶, including heavy metals, organic processing agents, salts and surfactants, all of which can harm freshwater ecosystems and human health³⁷. Azo dyes, the largest group of synthetic dyes used, are not readily biodegradable, can bioaccumulate, and some have been known to be mutagenic and carcinogenic to humans³⁸.

AWARENESS OF POLLUTION RISKS IS LOW



Of those 62 responders, just 21% (13/62) identified water pollution as a substantive financial or strategic risk to their business, be it a regulatory, reputational or physical risk. This aligns with the findings of **CDP's Global Water Report 2019**, which identified that companies across most sectors are either blind to, or are not reporting, risks related to water pollution.

The majority of substantive water pollution risks reported by companies were identified in the wet processing and manufacturing stages of the value chain such as spinning, dyeing and washing. This reflects the general perceived understanding of where water pollution poses the most significant risks⁵³ and the focus of previous initiatives on tackling this issue⁵⁴. Yet water pollution poses considerable risks throughout the entire apparel value chain, from the use of fertilizers and pesticides in the production of cotton through to the laundering of clothes with harmful detergents and their ultimate disposal. Only five companies (8%) reported substantive risks associated with raw material production, and not a single company considers pollution at the product use and disposal phases to be a substantive risk to their business.



Our analysis of disclosures indicates that some companies do at least acknowledge pollution risks beyond the manufacturing stages of their value chains, even if they are not reporting them as substantive risks. However, only:

- 11% of disclosing companies (Woolworths Holdings Ltd, Kering, Burberry Group, Gap Inc., H&M, Hanesbrands Inc. and Inditex) acknowledge water pollution issues at each stage of the value chain in their disclosures, including product use and disposal. These companies demonstrate a progressive and transparent understanding of the scale of the issue.
- One respondent (H&M) acknowledges microfiber pollution, noting that the company engages with consumers to encourage the use of guppy bags when washing clothes to reduce the release of microfibers. This statistic is alarming given the fact that the production, use and disposal of textile goods all contribute to the release of micro or nanofibers.



Physical and regulatory water pollution risks are the most commonly reported substantive risks, potentially due to the relative simplicity of estimating their financial impact. Despite being defined as substantive, to date, fines and penalties associated with water pollution are likely to have appeared relatively unsubstantial on a company's profit and loss sheet. For example, **a major apparel manufacturer** estimated that fines associated with the discharge of untreated wastewater could be up to US\$100,000. With tighter regulatory change anticipated, the materiality of these risks is likely to increase.

Reputational risks are less frequently reported, but leading companies understand that their environmental and social responsibility, and therefore reputation, extends far beyond their direct operations, and covers the entire value chain. In 2020 numerous fashion brands experienced adverse reputational impacts. In March, after being associated with suppliers linked to the forced labor of Uighurs in China⁵⁵, the market cap of several large brands fell by up to 30%, and in July **Boohoo**'s market cap fell by 44% after the company was reported to be acquiring goods from a factory in Leicester, UK, which was alleged to have been employing modern slavery practices⁵⁶.

With rapidly growing investor awareness of water pollution risks⁵⁷, and increased public scrutiny on companies who outsource their environmental impacts to other companies, the severity of reputational risks posed by water pollution is intensifying. CDP data suggests that these reputational risks are underreported, and those companies that do report such risks, report very different financial implications.

Formosa Taffeta Co.

recognized that customers would reduce orders if the company did not perform sufficiently well in selfevaluations using the Higg Index.

FINANCIAL IMPACT: US\$126 million approximately 7% of the company's market cap.

Woolworths Holdings Ltd.

identified that if the company were linked to suppliers who were manufacturing or purchasing raw materials in an environmentally harmful way then there is a risk that the company's brand could be damaged.

FINANCIAL IMPACT:

Difficult to estimate financial impact from a reputational risk at this stage. **VF Corporation** reported that due to the flexibility of their global supply chain, water pollution does not pose a reputational risk as the company has the ability to move capacity from one facility to another if an environmental incident were to occur.

FINANCIAL IMPACT: None reported

In summary, the majority of apparel and textile companies disclosing through CDP do not demonstrate a comprehensive awareness or understanding of the potential water pollution risks that exist across their value chains. This suggests that many companies are underreporting and underestimating their risk exposure and are thus poorly positioned to manage that exposure and to seize the business opportunities of taking action.

WHAT ARE COMPANIES DOING TO CLEAN UP?

How companies are responding to substantive water pollution-related risks



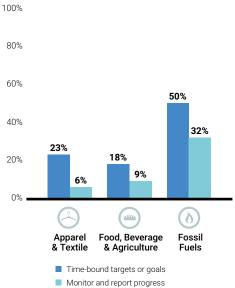
How the apparel and textile sector performs relative to other high impact sectors

Targets

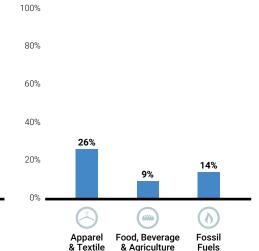
Value chain engagement

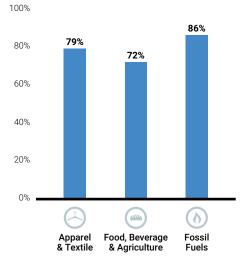
Board level oversight

% of respondents setting time-bound targets or goals to reduce water pollution vs the % who monitor and report progress against these targets.



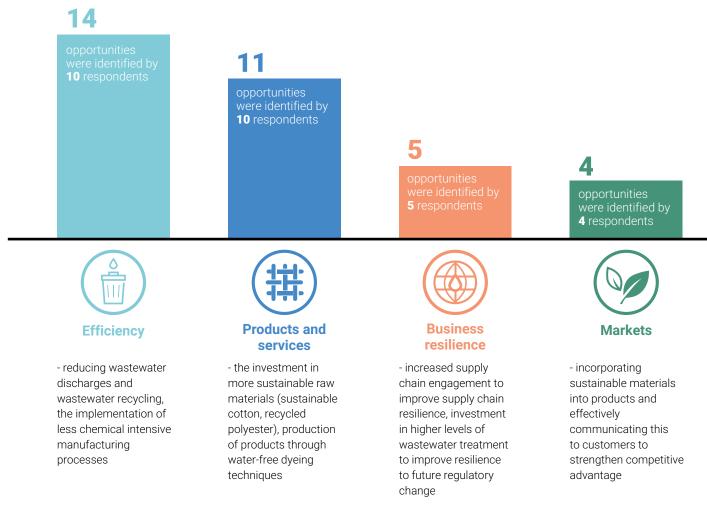
% of respondents that engage with suppliers, customers and other stakeholders through the value chain on water related metrics. % of respondents who have board level oversight of water-related issues.





This aligns with the findings of the Fashion Transparency Index 2020, which noted that 24% of the top 250 fashion brands and retailers have set time-bound water pollution reduction commitments⁵⁹.

Opportunities related to water pollution reduction identified by companies



Alongside risk management, addressing water pollution can also drive business opportunities. 18 apparel and textile sector respondents identified 34 opportunities directly related to water pollution reduction within their value chain. The potential financial benefits were estimated for 15 of these opportunities (44%), with a reported combined value of **US\$184 million**.

Tackling water pollution within the value chain not only increases efficiency and business resilience to physical, regulatory and reputational risks, it also presents companies with an opportunity to improve their brand image and reputation to consumers, investors and purchasers.

Eight companies identified that through reducing the water pollution impact of their products across their value chain, they would be able to tailor their products to the purchasing behaviours of the more sustainably

minded consumer, improving their reputation and thus gaining a competitive advantage over their peers.

- Adidas identified that investment in more sustainable materials (sustainable cotton and recycled polyester) and innovative dyeing techniques would allow the company to reduce operational costs, but also create competitive advantage and improve brand image.
- Gap Inc. recognised that the purchasing decisions of consumers are shifting towards more sustainable products. As a result of this Gap Inc. are ensuring that sustainability, including reduction in water pollution, is embedded into product design, raw material selection and wet processing techniques and that each brand is committed to communicating their sustainability goals, values and actions to their consumers.

Five of the eight companies identifying opportunities related to reputational improvements were unable to quantify the associated financial benefits, referencing difficulties with assessment and the complexity of market dynamics as challenges to quantification.

Three companies, however, were able to estimate the financial impact of such opportunities, reporting that through reducing water pollution across their supply chain, and thereby improving brand image, they could increase annual revenues by **up to 10%**. The value of these three opportunities alone totalled up to **US\$174 million** per year, accounting for 95% of the combined value of all reported water pollution reduction-related opportunities.

Our data suggests that the majority of responding apparel and textile companies are unaware of, or underestimating, the substantial financial benefits which could be gained through addressing water pollution. Leveraging changes in water pollution reduction across the value chain requires a long-term commitment and often does not yield immediate results. This may explain why certain apparel and textile companies are failing to take advantage of the opportunities posed by water pollution reduction. And, of those who do, why many disclose that they struggle to quantify the financial benefits brought about by these opportunities. To seize these opportunities companies must first recognize that their environmental responsibility extends throughout their value chains and then identify and assess where water pollution risks arise.

Engagement and the development of relationships with suppliers and customers is critical, yet only **26%** of respondents reported engaging with both. To holistically address water pollution, apparel and textile companies must transition from traditional transactional relationships with suppliers and customers towards a model whereby they collaborate to identify and capitalize on opportunities to mitigate pollution. **CDP's supply chain program** allows companies to work with their suppliers to pinpoint risks and identify opportunities to reduce pollution, whilst the Alliance for Water Stewardship's Standard (AWS Standard) can provide best practice for brands and suppliers looking to implement water stewardship across their supply chain and operations.

Companies need to act fast, seize these opportunities and be transparent with their actions in order to secure competitive advantage and keep ahead of regulatory changes. This offer ends soon.



CHANGES ARE AFOOT

The tides are beginning to turn. Consumers are responding to the detrimental impacts posed by fast fashion⁶⁰ and altering their purchasing habits accordingly; regulations and policies that improve the sustainability of the sector are being proposed and implemented at a faster rate; and financial institutions are more aware than ever of the general lack of resiliency shown by the sector⁶¹.



Regulation and policy shift

48% of disclosing companies

consider the actions of regulators within their water-related risk assessments We consider regulators in our risk assessments, as they are our first interface with local and international regulations. Our Code of Vendor Conduct requires, and our factory assessment process checks for, full compliance with country and local environmental laws and regulations.

– Gap Inc.

Sights on a circular economy

The European Union and the Ellen MacArthur Foundation⁶² have identified that a systematic change from linearity to circularity is needed⁶³. Circularity results in fewer resources consumed, a reduction in waste produced and the minimization of hazardous substances used across the value chain. The application of circularity principles across the EU economy has the potential to increase EU GDP by 0.5% by 2030 and create 700,000 jobs⁶⁴, with textiles accounting for a large proportion of this.

Whilst the EU Strategy for Textiles is not expected to be released until 2021, the European Commission's circular economy action plan⁶⁵ and current trends indicate that a key emphasis will likely be placed on circularity, eco-design and sustainable supply chains⁶⁶. Other regions worldwide are also beginning to identify the benefits. For example, the Indonesian government has identified circularity as a means to tackle water pollution in line with the Sustainable Development Goals⁶⁷.

Only 10% of apparel and textile companies disclosing through CDP identified opportunities relating to the improved use of recycled materials, or designing in materials based on their potential for circularity. **Burberry Group**, **Adidas** and **Gap Inc.** are examples of companies that are advancing opportunities linked to circularity.

Burberry Group identified that through increasing its procurement of recycled cotton it is able to increase its resilience to fluctuations in the cost of cotton due to future water scarcity. **Adidas** noted that through investments in recycled polyester it is able to position itself as a leader in innovation, increase its preparedness to face future challenges and risks in a more informed and resilient way, and improve brand image. **Gap Inc.** detailed that all of its brands expanded their efforts to embed sustainability into product design and raw materials selection, with product teams selecting materials based on water quality impacts and potential for circularity.

Micro and nanofibers: A global pollution risk

The washing of synthetic textiles is considered to be the primary source of microplastics in the aquatic environment, accounting for approximately 35% of all microplastics released globally⁶⁸. It is estimated that for every kilogram of synthetic fabric washed, between 640,000 and 1,500,000 micro and nanofibers are released. These substances are released to the environment across each stage of the apparel and textile sector value chain, thus having detrimental impacts on a global scale. They are proven to adsorb harmful substances used in the production of textiles, such as perfluorinated chemicals (PFCs), organotins, and nonylphenol ethoxylates (NPEs)⁶⁹, potentially causing these chemicals to bioaccumulate in aquatic organisations and/or be transported further afield, increasing the scale of their impact.

It is not only synthetic fibers which are polluting the aquatic environment. Natural fibers such as cotton and hemp have been shown to remain persistent in the environment when coated in chemicals, such as flame retardants, which are applied during the manufacturing process. Recent research suggests that natural microfibers are more prevalent in the marine environment than synthetic microfibers⁷⁰. Despite a significant research gap, microfibers represent an urgent global problem which is creating opportunities for value chain engagement and innovative business models. Mitigation in the supply chain is key, reducing the need for costly and time-consuming clean-up initiatives further along the value chain.

Policy action can support innovation and the implementation of best practice and technological solutions to mitigate the release of these substances⁷¹. We are already beginning to see early regulatory and policy change, with single use plastic bans being implemented across the world^{72,73,74}. Alongside adhering to policy changes, the apparel and textile industry plays a vital role itself in innovating and addressing this issue⁷⁵.

Only a single apparel or textile company disclosing through CDP water mentions microfibers in their response (**H&M**). This is concerning; it indicates a lack of awareness among responding companies of the impacts of their products as well as the business case for taking action. The issue will only become more prevalent over the coming decade⁷⁶.

Taxing pollution

The Swedish government is currently considering the implementation of a tax on clothes and shoes⁷⁷ containing toxic chemicals, specifically REACH substances of very high concern (SVHCs)⁷⁸. The proposed tax, of €3.66 per kilogram of clothing and footwear is due to come into force on 1st April 2021. It will be applied to all produced or imported clothing to Sweden, with deductions of up to 95% available if the company can prove that, over the product's whole value chain, none of the targeted chemicals have been used. As well as contributing to public finances by approximately ≤ 68.6 million / year, the tax will reduce the release and exposure of harmful chemicals from apparel production through to use and disposal.

Sweden is a global frontrunner in using market-based instruments to disincentivize environmentally harmful behaviour⁷⁹, and is certainly setting the precedent for how green taxes can be used to encourage corporate-supplier engagement to minimize water pollution across the value chain.



Consumer awakening

42% of disclosing companies

consider the actions of customers and consumers within their water-related risk assessments

Consumer insights and expectations are factored in the company-wide water risk assessment in a broad way and any change in behaviour and expectation can be captured by the process. On top of that, adidas actively monitors the consumer expectations through its Consumer Insights team and the ongoing analysis of adidas NPS (Net Promoter Score). Moreover, adidas' active participation in social media allows the company to identify current trends among the different groups of consumers, which feeds into the risk and brand assessment

– Adidas

Consumers are progressively becoming more aware of the environmental degradation caused by the fashion industry. Internet searches for "sustainable fashion" tripled between 2016 and 2019; media outlets and publications shine a light on the issue on a weekly basis⁸⁰; and environmental activist demonstrations targeted at the industry are being held across the world⁸¹. All of this is contributing to a transformation in customer purchasing decisions.

A survey conducted by McKinsey⁸² identified that 66% of US consumers now consider sustainability when making a luxury purchase, with younger generations increasingly stating that they are willing to pay more for products which have a proven minimized environmental impact (Gen X – 17%, Millennial – 26%, Gen Z – 31%). This increased consciousness in sustainability is translating directly into more sustainable purchases⁸³.

As more data becomes readily accessible⁸⁴, consumers are beginning to see past the greenwashing façade. There is now a demand for companies to not only become more transparent with their water-related policies, but to produce a roadmap setting out ambitious targets. Public disclosure against these targets allows civil society, consumers, investors and purchasers to hold companies to account. In 2019, less than a quarter (23%) of responding apparel and textile companies disclosed setting targets or goals related to water pollution reduction, with only 6% monitoring and reporting on progress.

When supported with sufficient evidence, sustainability contributes significant value to brand image. Unsupported and superficial claims, meanwhile, pose a reputational risk. Transparency and disclosure are essential for credibility.



Investor awareness

42% of disclosing companies

consider the actions of investors within their water-related risk assessments

Increasingly investors and other shareholders ask for our water data and management approach at a group and individual business level and as such, investor concerns are increasingly included in water risk assessments. For example, sharing with investors how we are managing our impact on water resources and addressing their key concerns, such as assessing our exposure to water stressed areas, supports our brand reputation and approach to responsible business practices.

- Associated British Foods (the holding company of Primark)



We need robust water quality information in order to monitor trends and see how things are moving. It makes the markets better informed and leads to better decisions.

- Wilhelm Mohn, Head of Sustainability, NBIM

Many of our investors are interested in our resource management program and expect us to responsibly manage our risks throughout our owned manufacturing and supply chain. As a method of engagement, through CDP, we are publishing this information for our investors to better understand our approach to water-related risk.

 VF Corporation (the holding company of brands such as The North Face, Vans and Timberland)



Investors are beginning to recognise the material risks posed by water pollution. Increasingly, they are expecting companies to have a comprehensive understanding of the water-related risks they face through their value chain, and to publicly disclose this information.

BlackRock, the world's largest asset manager and one of the largest investors of the 62 apparel and textile companies reporting through CDP on water in 2019 (appearing in the top 20 holders for 44 of the 62 companies) recently released a report acknowledging the material risks posed by water stress, including pollution. BlackRock highlighted that those companies which manage water resources more efficiently through their value chain, when compared to their peers, may offer more resilient and therefore appealing earnings streams in the transition to a more sustainable economy⁸⁵. Central banks and financial supervisors are also calling for investors to incorporate water-related risk metrics into their investment decisions. The European Central Bank (ECB), for example, identifies water stress and pollution as significant risks to financial institutions, and is therefore encouraging investors to include these risks in their investment decisions⁸⁶.

Apparel and textile companies need to be transparent with investors on the water pollution risks they face, and more importantly the actions they are taking to mitigate and reduce these risks across their whole value chain. By accurately and comprehensively disclosing through CDP, certain apparel and textile companies can get ahead through demonstrating their comparative transparency, awareness, proactivity and resilience. COVID-19 has accelerated these trends, bringing sustainability into sharp focus - **15% of consumers in Europe and the US are expected to purchase more sustainable apparel⁸⁷ and investors are expected to substantially boost their focus on environmental, social and governance metrics⁸⁸**.

The pandemic has delivered a shock to the global economy, one which has impacted the apparel and textile sector especially hard, wiping out approximately 30% of the industry's business in 2020⁸⁹ and highlighting the flaws in the textiles value chain. Whilst previous crises have been shown to accelerate green transformation⁹⁰, there is a fear that sustainability efforts and concerns will be relegated whilst companies focus on the short-term economic distress.

Public and private actors are now calling on apparel and textile suppliers, peer companies⁹¹ and policymakers⁹² to maintain and enhance the sector's sustainability efforts in the post-pandemic recovery. In August 2020 a coalition of leading actors in the apparel and textile sector, including CDP, signed an open letter to call on the sector to speed up their sustainability efforts in their COVID-19 recovery, emphasising the importance of transparency and disclosure, value chain engagement and circularity principles. There is demand for green to be the new normal.

Apparel and textile companies who fully integrate sustainability within their recovery plans and transparently disclose on progress will gain an improved brand image and competitive advantage, get ahead of the curve with regards to anticipated regulatory change, and appear more resilient to investors, ultimately becoming leaders of a renewed fashion industry⁹³.







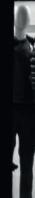






















THE IMPORTANCE OF DISCLOSURE



Companies should disclose their water management strategy, risks, responses and opportunities, [...] strive to report relevant data for supply chains and products and services [...] and should report sufficiently granular data to internationally recognized reporting initiatives⁹⁴.

- Norges Bank Investment Management





- McKinsey



Apparel and textile related organisations





Although water quality data are critical for regulators, their value increases exponentially when they become available to the public. This allows individuals and businesses to make productivity. Relative to the expenses of monitoring water quality, publishing the data online is a low-cost complement that pays tremendous social dividends⁹⁷.

- World Bank

- Sustainable Apparel Coalition





Global

institutions

Regulators and policymakers

Transparency and disclosure helps investors, consumers, policymakers and other

- European Union's Non-Financial Reporting Directive



Stakeholders are calling for accessible, accurate and comprehensive information that demonstrates responsibility for reducing water-related risks and impacts⁹⁹. CDP's water security questionnaire provides a valuable platform to facilitate this transparency and dissemination of information.

CDP's water security questionnaire tracks key performance indicators such as corporate governance, risk management and value chain engagement in order to provide consistent, quantifiable, and comparable data and insights to investor shareholders and purchasing organisations. These insights are then used to make smarter, more informed investment and purchasing decisions. In 2019 2,433 companies disclosed on water through CDP, with this data shared with 525 investors, representing over \$96 trillion in assets and 125+ purchasing companies.

Our data shows that disclosure through CDP is driving meaningful corporate action on water. Comparing the actions of the cohort of companies disclosing over several years shows the percentage of companies:

- with board level oversight for water targets increasing from 67% to 81% over 6 years (2014-2019)
- reducing or maintaining water consumption increasing from 31% to 46% over 3 years (2017-2019)

The European Union's Non-Financial Reporting Directive (EU NFRD) requires large companies to disclose information on the way they manage social and environmental challenges. The EU NFRD is currently under review, with growing pressure for the inclusion of water security metrics in order to help deliver the data investors need¹⁰⁰. Those apparel and textile companies already disclosing through CDP's water questionnaire are ahead of the curve in terms of the data they gather and report. They are not only prepared for the revised EU NFRD, but also for the forthcoming development of science-based targets for the interrelated systems of freshwater, biodiversity, land and oceans¹⁰¹.

There is a plethora of tools, initiatives and standards available specific to the apparel and textile sector which can help companies collect information from, and work with, suppliers to reduce their water impacts. These include CDP's supply chain program, the ZDHC Foundation¹⁰², the Sustainable Apparel Coalition's (SAC) Higg Index¹⁰³, the Alliance for Water Stewardship (AWS) Standard¹⁰⁴ and the Fashion Pact¹⁰⁵.

Disclosing through CDP allows companies to build trust and credibility by providing information directly to investors and purchasers, using a market-leading and standardized disclosure system. This process enables companies to demonstrate their involvement in the above initiatives whilst also reporting progress against a comprehensive set of water stewardship indicators. CDP's water scoring system provides an opportunity for companies to benchmark themselves against their peers, ultimately driving a race to the top between companies.

Only through enabling widespread transparency and disclosure will companies be able to adapt to the rapidly changing market, especially in a post-COVID-19 economy.

APPENDIX I Disclosing companies' key metrics

DTE: Key metrics for the 62 companies v 19 and were analyzed for this report.	vith activities in the apparel and textile sector that disclos	sed through CDP's water questionnaire in			Value chain engagement with	Conduct a	Identify water pollution risks which pose a substantive	Targets and goals	Identified opportunities	• = Yes × = Board level
Organization	Country	Primary industry	Disclosure	CDP Water Security Score 2019	suppliers and customers	water-related risk assessment	financial or strategic risk to the company	to reduce water pollution	related to reducing water pollution	oversight for water issues
lidas AG	Germany	Apparel	Public	В	•	•	•	•	•	٠
nold Delhaize	Netherlands	Retail	Public	D	×	•	×	×	×	•
sics Corporation	Japan	Manufacturing	Public	В-	×	•	×	×	•	•
ssociated British Foods	United Kingdom of Great Britain and Northern Ireland	Retail	Public	В	•	•	×	×	×	•
c Camera Inc	Japan	Retail	Public	D	×	×	×	×	×	×
urberry Group	United Kingdom of Great Britain and Northern Ireland	Apparel	Public	В	×	•		•	•	•
apri Holdings Limited	China, Hong Kong Special Administrative Region	Retail	Non-public	N/A	Private	Private	Private	Private	Private	Private
tizen Watch Co.,Ltd.	Japan	Manufacturing	Public	В	×	•	×	×	×	
icks Group Ltd	South Africa	Retail	Non-public	B	Private	Private	Private	Private	Private	Private
on Quijote Holdings Co., Ltd.	Japan	Retail	Non-public	C-	Private	Private	Private	Private	Private	Private
sha Textile Co Ltd	Taiwan, Greater China	Apparel	Public	C	×	•	×	×	•	•
ist Retailing Co., Ltd.	Japan	Retail	Public	В			<u>^</u>			
	United States of America				X	Drivete	Drivete	X	• Drivete	
ot Locker Inc		Retail	Non-public	N/A	Private	Private	Private	Private	Private	Private
rmosa Taffeta Co.	Taiwan, Greater China	Apparel	Public	В	X	•		×	•	•
schini Group Ltd	South Africa	Retail	Non-public	F	Private	Private	Private	Private	Private	Private
p Inc.	United States of America	Retail	Public	A-	•	•	×	•	•	•
dan Activewear Inc.	Canada	Apparel	Non-public	В	Private	Private	Private	Private	Private	Private
ala Closures Group	Italy	Manufacturing	Public	N/A	×	•	×	×	×	•
M Hennes & Mauritz AB	Sweden	Retail	Public	В	•	•	•	•	•	•
inesbrands Inc.	United States of America	Apparel	Public	B-	•	•	×	•	×	•
rmes International	France	Apparel	Non-public	В	Private	Private	Private	Private	Private	Private
litex	Spain	Retail	Public	A-	•	•	•	•	•	•
Sainsbury Plc	United Kingdom of Great Britain and Northern Ireland	Retail	Public	А	•	•	•	•	×	•
ring	France	Apparel	Public	В	•	•	•	•	•	•
oger	United States of America	Retail	Public	C	×	•	×	×	×	•
we's Companies, Inc.	United States of America	Retail	Public	C	×	×	×	x	x	
MH	France		Public	C	•	•				
		Apparel				-	×	×	•	
etro AG	Germany	Retail	Public	В	•	•	×	×	×	•
GROS TİCARET A.Ş.	Turkey	Retail	Public	В	•	•	•	×	×	•
KE Inc.	United States of America	Apparel	Non-public	N/A	Private	Private	Private	Private	Private	Private
sshinbo Holdings Inc.	Japan	Manufacturing	Public	B-	×	•	×	×	×	•
ck 'n Pay Stores Ltd	South Africa	Retail	Public	В	•	•	×	×	×	•
IMA SE	Germany	Apparel	Non-public	С	Private	Private	Private	Private	Private	Private
'H Corp	United States of America	Apparel	Public	A-	×	•	•	٠	٠	•
oprite Holdings Ltd	South Africa	Retail	Public	B-	×	•	×	×	×	•
NNYLITE TRADING CO., LTD	Taiwan, Greater China	Apparel	Public	N/A	×	×	×	×	×	×
pestry Inc	United States of America	Retail	Public	С	×	•	×	×	×	•
rget Corporation	United States of America	Retail	Public	B-	×	•	×	•	×	•
ejay Lanka PLC	Sri Lanka	Apparel	Public	B-	×	×	×	×	×	•
vota Tsusho Corporation	Japan	Services	Non-public	В	Private	Private	Private	Private	Private	Private
der Armour Inc	United States of America	Apparel	Non-public	N/A	Private	Private	Private	Private	Private	Private
Corporation	United States of America	Apparel	Public	B-			×	×		•
l Mart de Mexico	Mexico	Retail	Non-public	B-	Private	Private	Private	Private	Private	Private
Imart de Mexico Imart, Inc.	United States of America	Retail	Public	C B-						
-					•	•	×	X	×	•
A Morrison Supermarkets Plc	United Kingdom of Great Britain and Northern Ireland	Retail	Public	С	×	×	×	×	×	•
olworths Holdings Ltd	South Africa	Retail	Public	В	•	•	•	•	•	•
NSA YÜNLÜ SANAYİ VE TİCARET A.Ş.	Turkey	Apparel	Public	В-	×	•	×	•	•	•
IVATE SUPPLIER	Bangladesh	Apparel	Non-public	N/A	Private	Private	Private	Private	Private	Private
IVATE SUPPLIER	Brazil	Apparel	Non-public	N/A	Private	Private	Private	Private	Private	Private
VATE SUPPLIER	China	Apparel	Non-public	N/A	Private	Private	Private	Private	Private	Private
VATE SUPPLIER	Germany	Apparel	Non-public	N/A	Private	Private	Private	Private	Private	Private
VATE SUPPLIER	India	Apparel	Non-public	N/A	Private	Private	Private	Private	Private	Private
VATE SUPPLIER	Japan	Manufacturing	Non-public	N/A	Private	Private	Private	Private	Private	Private
VATE SUPPLIER	Japan	Apparel	Non-public	N/A	Private	Private	Private	Private	Private	Private
IVATE SUPPLIER	Japan	Apparel	Non-public	N/A	Private	Private	Private	Private	Private	Private
IVATE SUPPLIER	Mexico	Apparel	Non-public	N/A	Private	Private	Private	Private	Private	Private
IVATE SUPPLIER	Mexico	Apparel	Non-public	N/A	Private	Private	Private	Private	Private	Private
IVATE SUPPLIER	Mexico	Apparel	Non-public	N/A	Private	Private	Private	Private	Private	Private
IVATE SUPPLIER	Mexico	Apparel	Non-public	N/A	Private	Private	Private	Private	Private	Private
IVATE SUPPLIER	Netherlands	Manufacturing	Non-public	N/A N/A	Private	Private	Private	Private	Private	Private
				N/A N/A		Private	Private	Private	Private	Private
IVATE SUPPLIER	United States of America	Apparel	Non-public	IN/A	Private	Privale	Privale	Privale	Privale	Private

*Please note that the table in Appendix I was updated following release, changing the status of Formosa Taffeta Co. from Private to Public.

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This report has been created as part of a three-year project (2020-2022) which aims to tackle the interconnected water challenges – pollution, scarcity, governance, access – that stakeholders involved in, and living adjacent to, textile and apparel production may contribute to or face. Alongside CDP, the project will be delivered by Alliance for Water Stewardship (AWS), Aid by Trade Foundation, Solidaridad and Water Witness, with funding from the Swiss Agency for Development and Cooperation (SDC).

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