

Welkom!

Van niche naar norm: Hoe maak je impact met data uit je textiel keten?

ImpactBuying
PROVEN POSITIVE IMPACT

MODINT.

17/11/2022, 10:00 - 13:00

Powered by



Opening

Rens Tap - Modint

ImpactBuying
PROVEN POSITIVE IMPACT

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Programma

10:00 - 10:15	Opening en welkom <i>Rens Tap - Modint</i>
10:15 - 10:45	Hoe wordt er impact gemaakt in de voedselindustrie? <i>Marianne van Keep - Verstegen Spices & Sauces</i>
10:45 - 11:15	Hoe kan technologie helpen om impact te maken? <i>Janneke Duijndam - Just Brands,</i> <i>Leontien Hasselman-Plugge - ImpactBuying</i>
11:15 - 11:45	Koffie pauze
11:45 - 12:15	Wat voor impact kan technologie maken voor het begin van de keten? <i>Tessa Boumans - Erasmus Universiteit</i>
12:15 - 13:00	Europese wetgeving: crash course <i>Miriam Geelhoed - Modint,</i> <i>Leontien Hasselman-Plugge &</i> <i>Brechtje Helderweirdt - ImpactBuying</i>
13:00	Netwerk lunch

Van niche naar norm: Hoe maak je impact met data uit je textiel keten?
17 november 2022

Hoe wordt er impact gemaakt in de voedselindustrie?

Marianne van Keep - Verstegen
Spices & Sauces

ImpactBuying
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Impact in de levensmiddelenindustrie



Enjoy great taste



Marianne van Keep Chief Sustainability Officer

- MVO manager van het jaar 2020-2021
- Lid Executive Committee Verstegen Spices & Sauces
 - Lid Raad van deskundigen Nevi
 - Lid Raad van Toezicht Foodpolicy
 - Voorzitter Impact Committee SSI
 - Lid stuurgroep SSI
 - Lid MVO denktank EVOFenedex
- Lid stuurgroep IMVO levensmiddelenindustrie
- Voorzitter Netwerk voor Gastronomie en gastvrijheid
- Ambassadeur Fondsbestrijding Kinderarbeid
- Lid Raad van Advies Kotler Impact Institute
- Lid Raad van Toezicht Theater de Bussel





Verstegen Rotterdam

Voor Verstegen is het belangrijk om alles in eigen hand te houden: van transport tot zelf malen en van veilig verwerken tot een optimale kwaliteitscontrole. Zo kunnen we de keten van boer tot consument eerlijk, transparant en duurzaam houden.



Smaakvolle producten

Mexican
soft shell taco's



Italy
pasta bolognese



Middle Eastern
shakshuka



India
curry



Japanese
ramen



Vietnamese
fresh spring rolls



Hawaiï
poke bowl



African
fufu



Thai
vegan thai curry



De oorsprong



Verstegen en de SDG's

Verstegen heeft de Sustainable Development Goals (SDG's) omarmd.
Wij gebruiken de SDG's als een leidraad om zo onze ambities te toetsen en keuzes te maken.





Verstegen & Duurzaamheid

- People
- Planet
- Profit
- Participation





Planet

Verstegen zorgt voor **gezonde ecosystemen**, met **herstelde biodiversiteit** – en daarin zijn we **klimaatpositief** en **afvalvrij**

People

Verstegen zorgt in de hele keten voor **florerende families** in een **veilige omgeving**, waarin iedereen zijn of haar **talent ontwikkelt**

**Great Taste,
Better Future**

Profit

Verstegen zorgt vanuit **duurzaam ondernemerschap** voor **volhoudbare verdienmodellen** in **eerlijke ketens**

Participation

Verstegen zorgt voor haar omgeving als **sectorvoorbeeld van duurzaamheid** en als **spil in onze eigen gemeenschap**



Deze visie heeft een impact upstream, binnen VSS en downstream...

	Planet	People	Profit	Participation
Upstream	<ul style="list-style-type: none"> We zorgen voor een keten met een positieve impact op biodiversiteit 	<ul style="list-style-type: none"> We zetten mensen (boeren en hun gezinnen) in hun kracht: met oog voor welzijn en onderwijs 	<ul style="list-style-type: none"> We zijn aanjagers van de beweging naar eerlijke, gezonde ketens en zorgen (met anderen) dat dit opschaaft 	<ul style="list-style-type: none"> We zijn een betrokken, emanciperende keten-partner die m.b.v. technologie streeft naar 'empowerment'
Binnen VSS	<ul style="list-style-type: none"> We werken schoon & zorgvuldig: <ul style="list-style-type: none"> - Geen verspilling - Geen uitstoot 	<ul style="list-style-type: none"> We helpen medewerkers zich volledig te ontwikkelen We hebben divers talent (afspiegeling van de maatschappij) 	<ul style="list-style-type: none"> We hebben een volhoudbaar ontwikkelmodel (<i>L4L; True Pricing; Planetaire grenzen</i>) met gezonde BC zodat de beweging voortgaat 	<ul style="list-style-type: none"> We zijn initiators van een duurzame sector-beweging en aanjagers van co-creatie, (mede door het zelfstandig starten van eigen initiatieven)
Downstream	<ul style="list-style-type: none"> We helpen onze klanten op weg naar: <ul style="list-style-type: none"> - Geen verspilling - Geen uitstoot (voor producten die ze van ons afnemen & we delen kennis voor brede impact) 	<ul style="list-style-type: none"> We zijn een beweging waar men bij wil horen om het verschil te maken (VSS Fans; co-investeren) We zijn een duurzaam (keur)merk 	<ul style="list-style-type: none"> We hebben een congruent en sterk profiel naar klanten We hebben bredere proposities en verdienmodellen (zaadveredeling, div. product) 	<ul style="list-style-type: none"> We zijn een kennis-hub (over producten én duurzaamheid) voor klanten en partners We ontzorgen onze afnemers



Klimaat issues

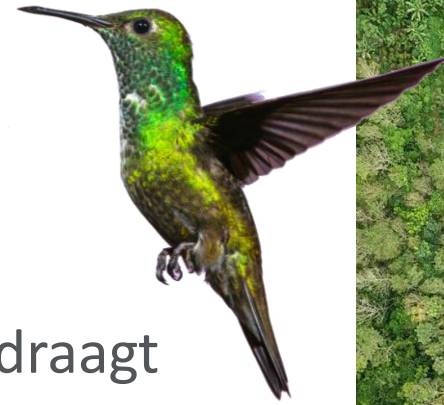




Toepassing van oude technologieën: regeneratieve landbouw

Een duurzaam landbouwsysteem dat bijdraagt aan:

- Betere bodemkwaliteit
- Optimaliseert het verbruik van water, kunstmest en pesticiden
- Meer biodiversiteit
- Betere oogstkwaliteit
- Spreiden van risico's



A close-up, high-angle photograph of a dense field of purple saffron flowers. The flowers are in various stages of bloom, with some fully open and others partially closed. The petals are a vibrant purple, and the stamens are bright yellow, while the stigmas are a deep red. The background is filled with more flowers, creating a rich, textured pattern of purple and yellow. The lighting is soft, highlighting the delicate structure of the petals and the vibrant colors of the reproductive parts.

Sociale issues

Transparante ketens

- Een transparante nootmuskaatketen door middel van blockchain-technologie
- Consumenten verbinden met boeren
- Draagt bij aan:
 - Traceerbaarheid in de keten
 - Kwaliteit
 - Boeren inkomen
 - Ondernemerschap



Back to the Origin



Boeren

-  **Hertje**
871.80 kg | 20 Transacties
Nootmuskaat met foelie
-  **Muslima**
590.00 kg | 20 Transacties
Nootmuskaat met foelie
-  **Marthina**
426.05 kg | 19 Transacties
Nootmuskaat met foelie

Producent



Hertje Kalama Darat, Indonesië

Hertje (47) woont samen met haar familie van 4 in Kalama Darat op de Sangihe-eilanden, Indonesië. Het meeste inkomen van de familie komt van hun land, waarop Hertje nootmuskaat en andere gewassen verbouwt. De beste nootmuskaat verkoopt zij voor een goede prijs aan de leverancier van Verstegen.

Leverancier

Merk

Producten



Nootmuskaat met foelie

Nootmuskaat is de gedroogde pit van de nootmuskaatvrucht. Die heeft een warm en heel aromatische karakter, met een diepe, bitterzoete, houtachtige smaak.

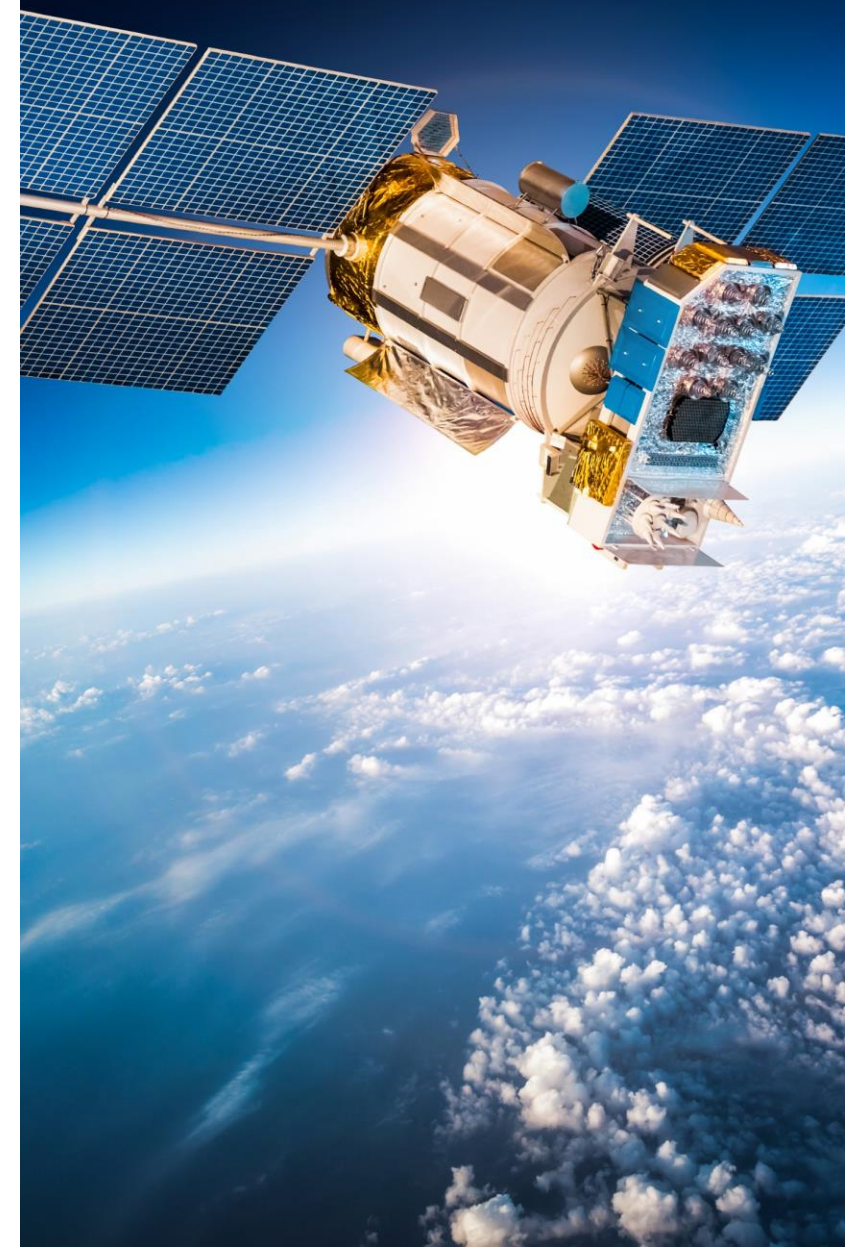
Supermarkt

Transacties

- Nootmuskaat met foelie
28.10 kg [Blockchain](#)
- Nootmuskaat met foelie
58.10 kg [Blockchain](#)
- Nootmuskaat met foelie
58.10 kg [Blockchain](#)
- Nootmuskaat met foelie



Toepassing van moderne technologie: SpiceUp – verbinden van geo-data & boeren



Geo-informatie service voor peperboeren

- Informatie vochtgehalte bodem, weersvoorspellingen, marktprijzen
- Advies water & pesticide management
- Training ‘Good Agricultural Practices’



SPICEUP

Draagt bij aan:


- Optimalisatie water, kunstmest en pesticiden gebruik
- Hogere kwaliteit & kwantiteit opbrengst
- Boeren inkomen



Wetgeving:

- Initiatiefwet duurzaam en verantwoord ondernemen
- CSRD
- CSDDD
- Deforestation

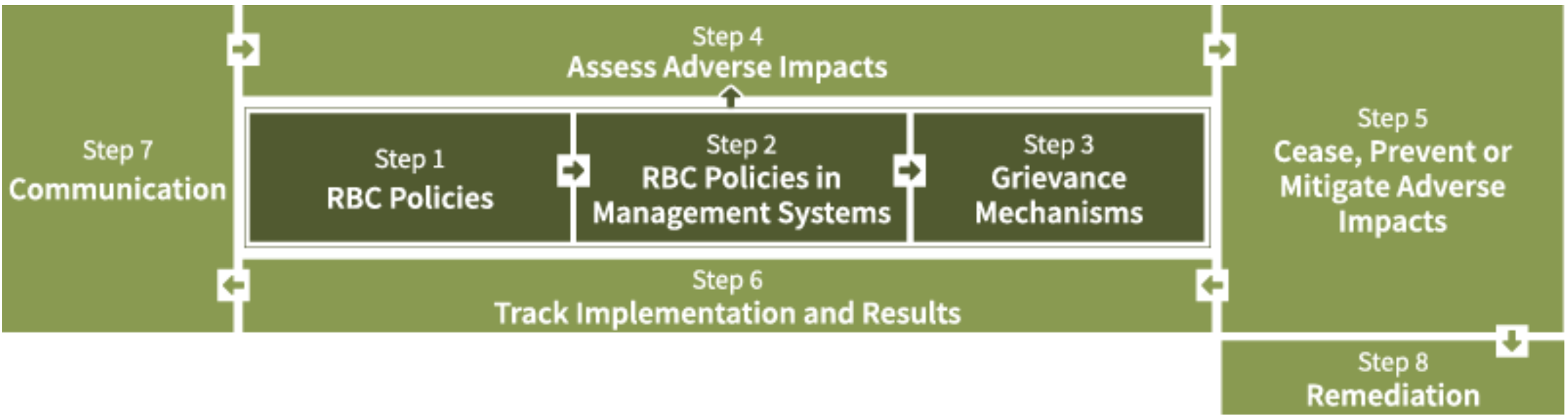




Due Diligence : duurzame risico's
en hoe bepaal je die



<https://www.specerijenvereniging.nl/imvo/toolkit/>



Profit





**Return
on
Sustainability**

=

Planet, People, Profit, Participation

Investment

De waarde van de 7 R'en is verbonden met finance en accounting

7 R'en – subs

- 'Stranded assets' risico
- Costs of debt (WACC)
- Omzet 'at risk'

- Investeerders (beurs/EBIT)
- Merk & Klant-reputatie
- Partnership / autoriteiten

- Retentie & lager verzuim
- Recruitment
- Productiviteits-toename

- Omzet & marge kern-activiteiten
- Nieuwe verdienmodellen

Aan de slag met 7R – business case drivers



- Omzeterderving bij schokken
- Kosten behoud omzet
- Profiteren 'positieve schokken' & loyale partners

- Kosten input & verwerking
- Kosten inzet mensen
- (Verborgene) Kosten Ecosysteem-diensten

- Compliance (boetes)
- Voldoen klantverzoeken Minimaliseren transitiekosten

True Costing

Kosten potje peper | Verborgen kosten



Plastic cap
Inkoop prijs peper
Glazen potje
Management
Energie en water
Processing
Transport
Belasting
Gebouwen

€2,99



Planet

Milieuvervuiling & Klimaatverandering
Uitputting van schaarse middelen
Landgebruik
Land degradatie & biodiversiteit
Afval en verwerking van afval

People

Gezondheidsrisico's
Werkomstandigheden

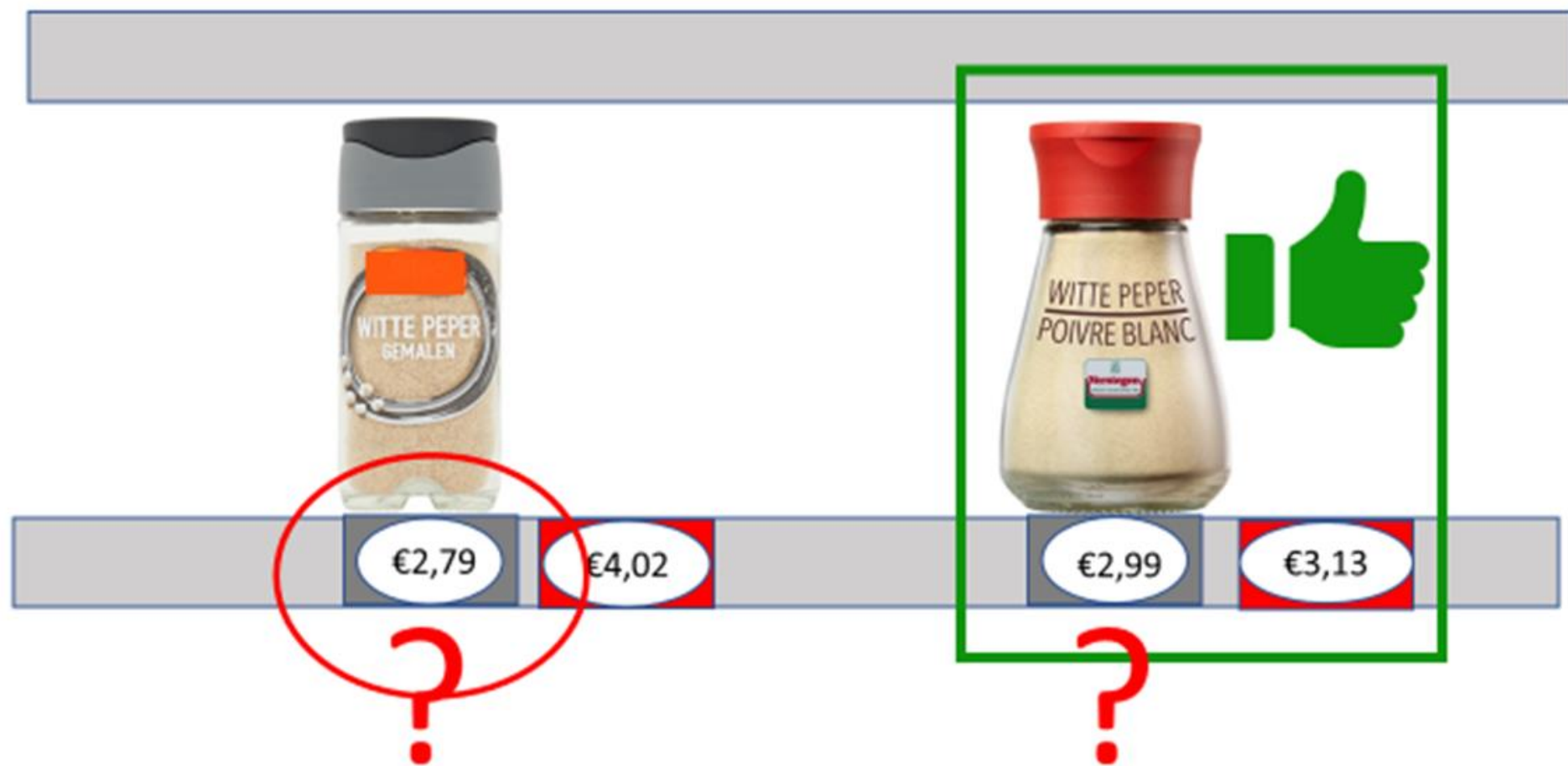
Prosperity

Corruptie en conflicten
Economische verantwoordelijkheid





Wat is het idee achter true pricing?



Hoe kan technologie helpen om impact te maken?

Leontien Hasselman-Plugge - ImpactBuying

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Ervaren leider in due diligence implementatie voor retail

Voor internationale retailklanten zijn wij een **supply chain due diligence partner**. We geven handvaten & **leiderschap** over hoe te excelleren, te voldoen aan wet- en regelgeving en bewezen verbeterde resultaten te leveren terwijl het pragmatisch blijft.

Wij brengen *'rubber to the road'*

Onze diepgaande kennis over **risico management**, risico mitigatie in complexe toeleveringsketens, **mensenrechten** en **milieu kwesties** helpt onze klanten om hun **'huis op orde'** te krijgen, een **positieve impact** te creëren en hun inspanningen op het gebied van duurzaamheid te monitoren.



Certified



Corporation

This company meets the highest standards of social and environmental impact

Waarom de samenwerking tussen Modint en ImpactBuying?

- De kleding- en textielindustrie bestaat uit **complexe toeleveringsketens**. Artikelen zijn meestal opgebouwd uit meerdere materialen en processen, gevolgd door een enorm network van ketenpartners.
- **Het inschatten van risico's in de keten** als het gaat om **mensenrechten, dierenwelzijn en milieu** en de aanpak om deze te voorkomen en te verminderen is heel **lastig en tijdrovend**.
- Om op te **schalen met je due diligence policy**, wordt de risk assessment **gedigitaliseerd** en gerelateerd aan het product, de wet processing facility en de inkooppraktijken.



RVO Project:

Een digitale tool voor verantwoord ondernemen:

- Branche specifieke kennis
- Geschikt voor MKB
- Relevante vragen
- Sociaal/mensenrechten
- Milieu
- Betrouwbare data



PROFUOMO



Prénatal



MODINT.

Solidaridad



Rijksdienst voor Ondernemend
Nederland

ImpactBuying 

Textile & apparel tool

We hebben voortgebouwd op ervaringen, gebaseerd op de international richtlijnen van de **OECD** en alle gecombineerde kennis van experts samengevoegd: om de impact van toeleveringsketens en producten te **verzamelen**, te **meten** en erover te **rapporteren**

De belangrijkste resultaten zijn 2 schaalbare tools:

- 1. Impact Buying: Transparency & impact tool** om leveranciers in kaart te brengen die achter de producten staan, en om de juiste vragen te stellen over relevante risico's voor leveranciers over de fabriek, de processen en het product, op basis van de Bill of Materials (BOM)
- 2. bAwear score: een verbeterde Ecotool** die de milieu-impact van producten meet



Textiel & Kleding add-on: het gebruikers proces

Verzoek

Registratie

Supply chain mapping

Questionnaires

Indienen

Beoordelen

1

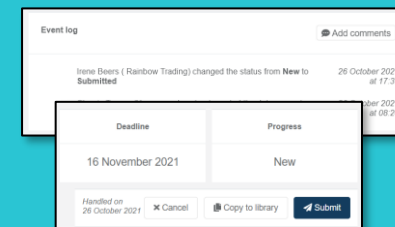
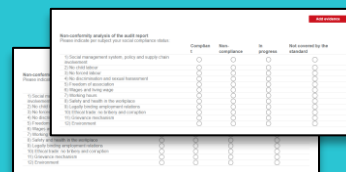
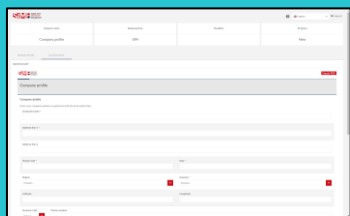
2

3

4

5

6



Merk creërt product en nodigt contractleverancier (first tier) uit in de tool met een data request

Leverancier registreert zich in de tool en opent data request voor BOM

Leverancier begint met supply chain mapping – de leverancier kan dit cascaderen naar zijn leverancier(s)

Leverancier vult 'geïdentificeerde risico' vragenlijsten in – de leverancier kan dit cascaderen naar zijn leverancier(s)

Leverancier controleert data request en stuurt het naar het merk

Merk beoordeelt de informatie van de data request en de questionnaires om risico's te beoordelen



Required Evidence Technology!

Mogelijke feedback en verbetering



Hoe kan technologie helpen om impact te maken?

Interview Janneke Duijndam - Just Brands

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We gaan verder om 11:45

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Van niche naar norm: Hoe maak je impact met data uit je textiel keten?
17 november 2022

Wat voor impact kan technologie maken voor het begin van de keten?

Tessa Boumans - PHD Erasmus Universiteit

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Digitalisering en waardig werk in de kledingindustrie

Door: Tessa Boumans, PhD bij AiPact van
Universiteit Rotterdam

Maar eerst: wie ben ik en wat is AiPact?



Tessa Boumans

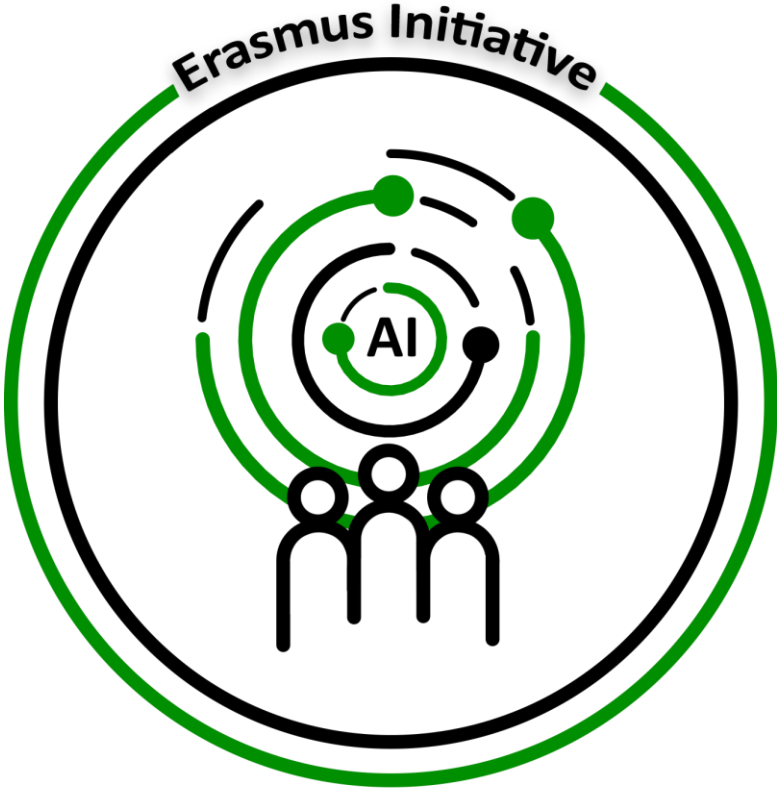
BSc: Politicologie

MSc: International development studies &
Environmental sciences

Exp.: - Onderzoeksstage bij Verstegen, SpiceUp
- Master thesis “garment workers’ ability to
benefit from digitalization of the fashion value
chain”

- Stage bij CNV internationaal team Azië
Phd: AiPact Erasmus Universiteit Rotterdam

Maar eerst: wie ben ik en wat is AiPact?



**Societal
Impact of AI**

Waardig werk voor iedereen

8 DECENT WORK AND
ECONOMIC GROWTH



Erasmus University Rotterdam

The Erasmus University logo, featuring the word "Erasmus" in a white, elegant, cursive script font.

Table 3. Value chain sustainability impacts: Each operation of the value chain has environmental impacts, societal impacts, and economic impacts. This table was created to summarize the major impacts involved in each step of the apparel value chain.

Value Chain	Environmental Impact	Social Impact	Economic Impact
Processing natural fibers	High water use, high fertilizer use, ecosystem degradation, waste [16]	Child labor, health and safety, forced labor, role of women in cultivation, financial dependence on chemical companies, instability of cotton prices [17,18]	In 2007, US cotton industry revenue was \$27 billion [19]
Processing synthetic fibers	High water use, high energy use, air emissions, nonbiodegradable, toxic air pollutants [16]	Health and safety [17]	The global synthetic fibers market size for 2025 was \$88.5 billion (revenue) in 2016 [20]
Fabric network	High water use, high energy use, water pollution, waste, toxic chemical use, air pollution, emissions [21]	Forced labor, child labor, low wages, exposure to high amounts of pollution [18]	US textile and apparel shipments totaled \$76.8 billion in 2018 [22]
Garment network	Waste, air pollution, toxic chemical use, water pollution, air emissions [21]	Child labor, health and safety, forced labor, role of women [17,18]	Efficient collection, transportation, stock management, asset tracking [23]
Export network	Air pollution and emissions, waste [21]	Wages, working conditions [24]	Estimated environmental consulting total revenue in 2023: \$12.4 billion [25]
Retail network	Waste (plastics, packaging) [21]	Customer service, wages, working conditions [26]	Asset tracking, stock management, payments handling, theft issues, brand issues [23,27]
Secondhand use network	Positive impact: keeps products from landfill, reuse, benefits of circular economy [21]	Wages, new business owners (logistics, laundry, retail) [25,28]	Creates small businesses, consumer savings [28]

Denuwara, N., Maijala, J., & Hakovirta, M. (2019). Sustainability Benefits of RFID Technology in the Apparel Industry. *Sustainability*, 11, 1–14. <https://doi.org/10.3390/su11226477>

Waardig werk (decent work)

Value Chain	Social Impact
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Waardig werk (decent work)

Decent work

Decent work sums up the aspirations of people in their working lives. It involves opportunities for work that is productive and delivers a fair income, security in the workplace and social protection for all, better prospects for personal development and social integration, freedom for people to express their concerns, organize and participate in the decisions that affect their lives and equality of opportunity and treatment for all women and men.

(ILO, 2022)

Waardig werk (decent work)

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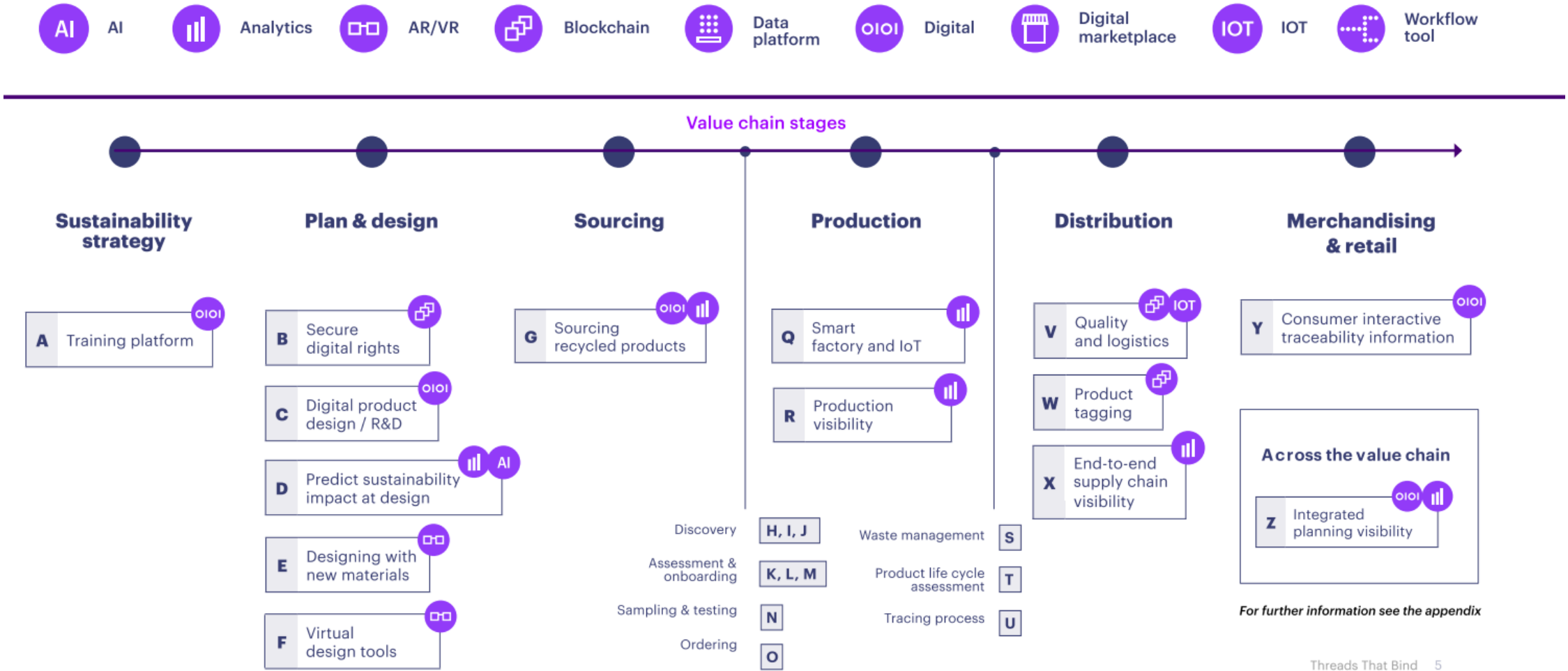
(ILO, 2022)

Wat betekent waardig werk voor kledingarbeiders en hoe kunnen we dit meten?

Industrie 4.0 in de kleding-
sector

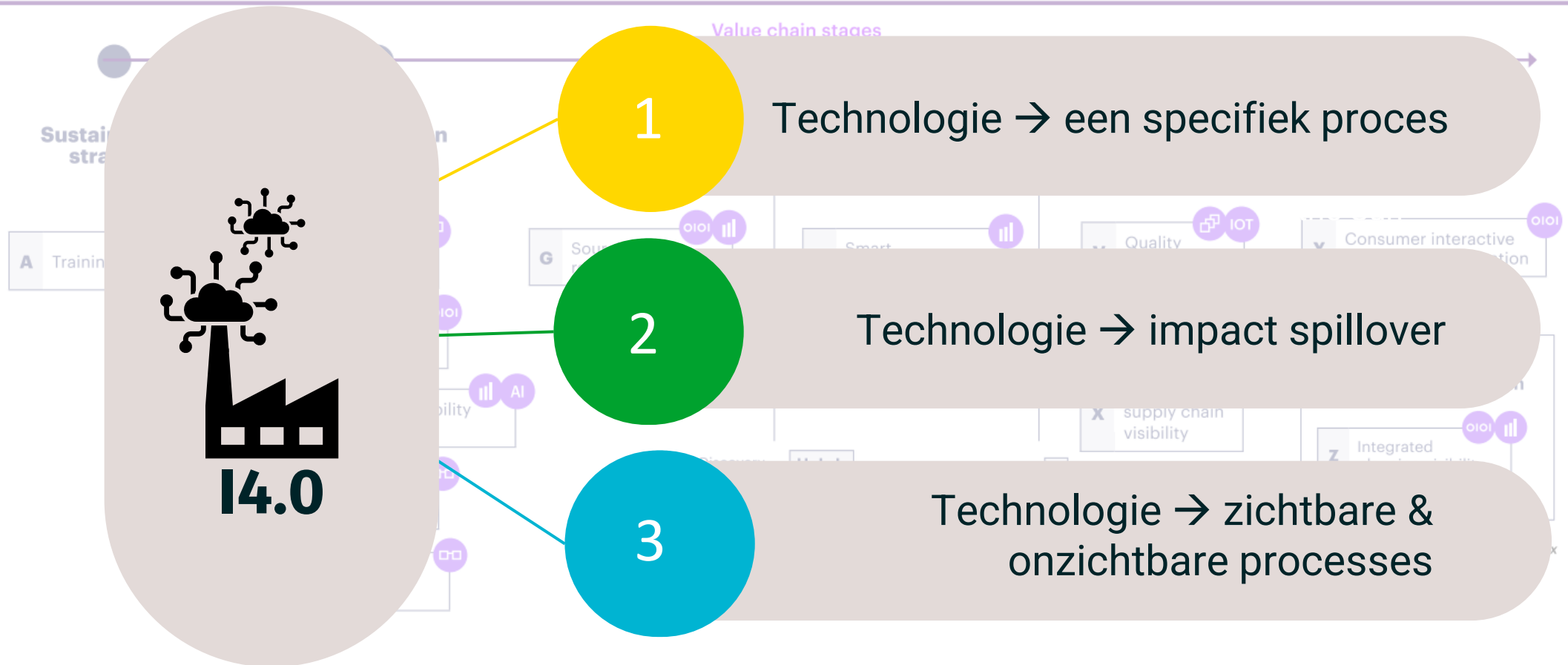


Technologie in de kledingketen



White, T., Nigam, H., Madane, A., & Connolly, C. (2019). *Threads that bind*.

Technologie in de kledingketen



Wat is de impact van technologie op processen in de kleding waardeketen?

Industrie 4.0

& waardig werk

Erasmus University Rotterdam



Wat ga ik doen?

01

Analyseren van de keten van twee soorten kledingmerken



Kleding en
Textiel



Internationaal
MVO

SEI

02

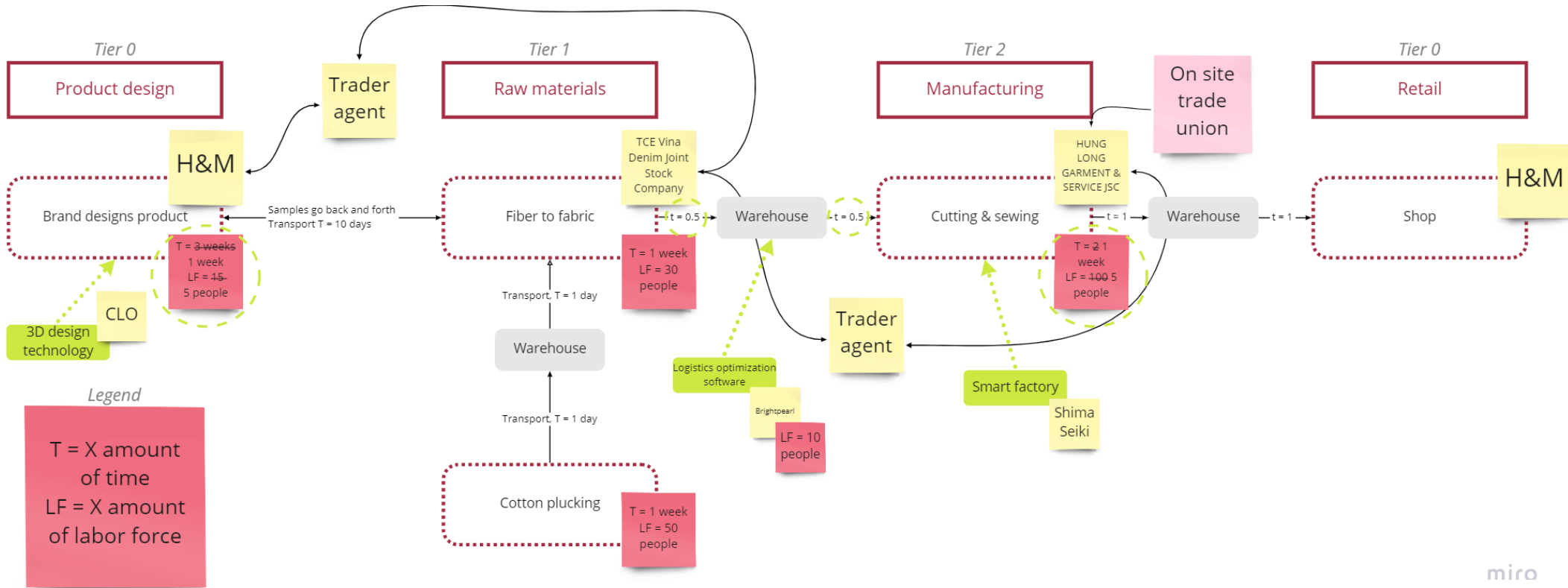
Analyseren van waardig werk op fabrieksniveau



03

In kaart brengen van processen, verbanden en
hefboom punten

In kaart brengen van processen, verbanden en hefboompunten



Wat ga ik doen?

Toegang nodig

01

Analyseren van de keten van twee soorten kledingmerken



Kleding en
Textiel



Internationaal
MVO | SER

02

Analyseren van waardig werk op fabrieksniveau



03

In kaart brengen van processen, verbanden en hefboom punten

Wat weten we al?

Erasmus University Rotterdam

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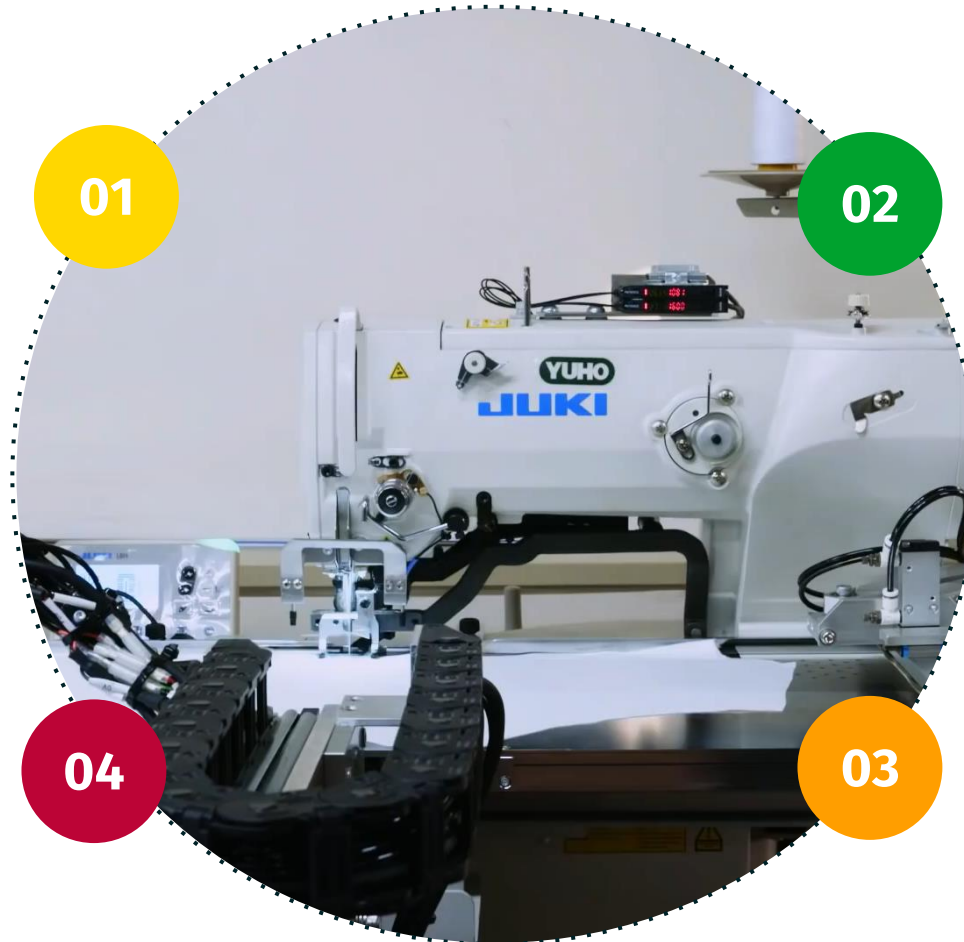
Welke sociale impact kunnen we verwachten?

Efficiëntie

“Making fast fashion even faster”.

Automatise ring

Waardig werk; voor robots.



Transparantie

Doel of middel?

Data

Data is macht.

Contact:

Tessa.Boumans@eur.nl

Europese wetgeving: crash course

Miriam Geelhoed - Modint

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EU Strategy: Sustainable and circular textiles - 2030



By 2030 textile products placed on the EU market are long-lived and recyclable, to a great extent made of recycled fibres, free of hazardous substances and produced in respect of social rights and the environment.

Consumers benefit longer from high quality affordable textiles, fast fashion is out of fashion, and economically profitable re-use and repair services are widely available.

In a competitive, resilient and innovative textiles sector, producers take responsibility for their products along the value chain, including when they become waste. The circular textiles ecosystem is thriving, driven by sufficient capacities for innovative fibre-to-fibre recycling, while the incineration and landfilling of textiles is reduced to the minimum.



EU Strategy: Sustainable and circular textiles - 2030



Measures include:

- New **design requirements**, setting mandatory minimums for the inclusion of recycled fibres in textiles
- Clearer information on textiles and a **Digital Product Passport** based on mandatory information requirements on circularity and other key environmental aspects
- Tight controls on **greenwashing**
- Action to address the unintentional release of **microplastics** from textiles
- **Harmonised EU rules on EPR for textiles**
- The initiative might consider setting targets to significantly step up reuse and recycling efforts as well as **green public procurement** in the EU.
- Reverse **overproduction** and **overconsumption**, discourage **destruction** of unsold or returned textiles.
- Incentivise **circular businessmodels**
- The co-creation of a **Transition pathway** for the Textile Ecosystem to establish the way forward and set out concrete steps.
- **Quite an ambitious agenda!!**



Generic



- Mandatory Sustainability reporting: **Corporate Sustainability Reporting Directive (CSRD)** – double materiality
- **New Circular Economy Action Plan:** Less waste, more value. Including green procurement.
- **Fit for 55:** (in 2030 -55% ghg emissions)
- **Right to repair**

And more.....



Action plan EU textile strategy



EU CSDD
Drafting Ban Forced labour products EU



2021 2022 2023 2024 2025 2026 2027 2028 2029 2030

UPV

NL Responsible and Sustainable International Business Act

Sustainable Product Initiative > ESPR Regulation (PEF? Digital Product Passport)

Corporate Sustainability Due Diligence Directive (CSDD)

Corporate Sustainability Reporting Directive (CSRD – starting in 2024)

EU Ecolabel Criteria

Microplastics – unintentional release

Green claims Initiative

Taxonomy Regulation (for CSRD)

Lieferkettengesetz (DE)

AGEC law (FR)

EU EPR

Fit for 55

Chemicals?

UNDER CONSTRUCTION



Europa vs member states



- **Regulation:** Binding legal force throughout every Member State and enter into force on a set date in all the Member States
- **Directive:** Lay down certain results that must be achieved but each Member State is free to decide how to transpose directives into national laws.



Corporate Sustainability Due Diligence directive (CSDD)



The aim of this Directive is to foster sustainable and responsible corporate behaviour and to anchor human rights and environmental considerations in companies' operations and corporate governance. The new rules will ensure that businesses address adverse impacts of their actions, including in their value chains inside and outside Europe.



EU CSDD

NL Responsible and Sustainable International Business Act

- EU Directive transposed in to national law

EU companies:

- 500+ employees and EUR 150 million+ in net turnover worldwide
- Companies operating in defined high impact sectors (>50% turnover in textile), 250+ employees and a net turnover of EUR 40 million

Non-EU companies active in the EU with turnover threshold aligned with above, generated in the EU

Proposal



Duty of care:

- Trading internationally
- Identify, prevent, mitigate or cease activity.

Mandatory Due Diligence:

- Trading internationally and 2 out of 3 criteria:
- Assets > € 20 million
- Nett turnover >€ 40 million
- FTE > 250

Proposal



Dutch approach

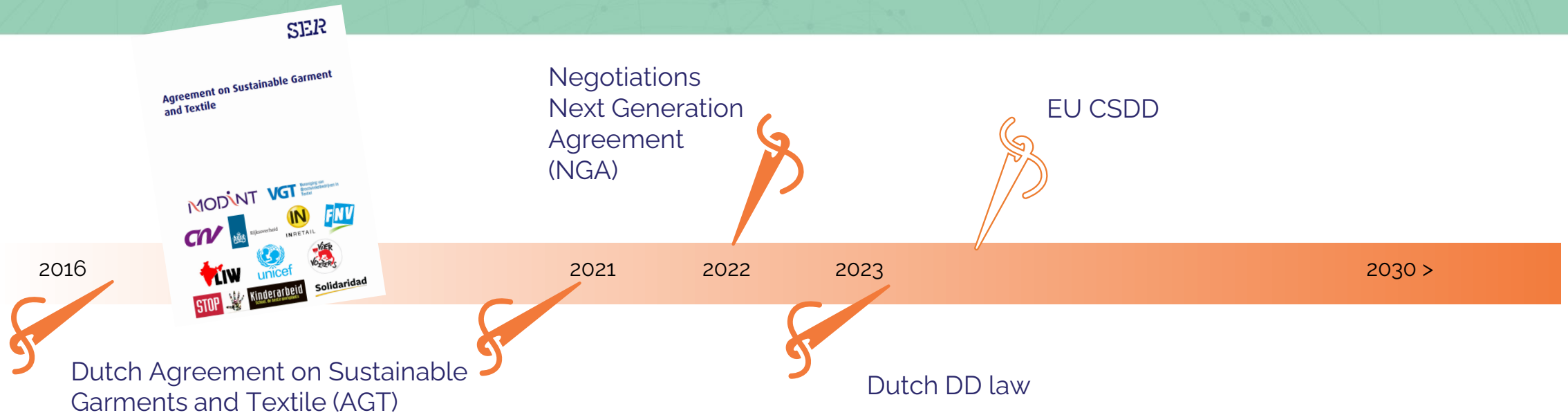
Also for foreign companies that operate in the Netherlands.

The **duty of care** applies from the moment that “a company knows or can reasonably suspect that its activity can have adverse effects on human rights, labour rights or the environment in a country outside the Netherlands”.

Identify, prevent, mitigate or cease activity.

Duty of **Due Diligence**: Six steps, which are known as the “OECD steps”

MODINT.



A broad coalition of businesses and other organisations worked together during the term of 5.5 years to improve working conditions, prevent pollution, and promote animal welfare in production countries, implementing the due diligence expectations of the OECD Guidelines.

OECD DD Approach – 6 steps



Ecodesign for Sustainable Products Regulation

(ESPR)



The framework will allow for the setting of a wide range of requirements, including on

- product durability, reusability, upgradability and reparability
- presence of substances that inhibit circularity
- energy and resource efficiency
- recycled content
- remanufacturing and recycling
- carbon and environmental footprints
- information requirements, including a Digital Product Passport

Implementation through delegated acts



Digital Product Passport

(DPP)



- Provide information about products' environmental sustainability.
- They help consumers and businesses make informed choices when purchasing products, facilitate repairs and recycling and improve transparency about products' lifecycle impacts on the environment.
- The passports also help public authorities to better perform checks and controls.



Making Green claims: Tight controls on greenwashing

New consumer agenda EU: Empowering consumers in the green transition

EU Green Deal says :

“Companies making ‘green claims’ should substantiate these against a standard methodology to assess their impact on the environment”.

CE Action Plan states :

“the Commission proposes that companies substantiate their environmental claims using Product and Organization Environmental Footprint methods.” (PEF/OEF)

Claims on environmental performance have to be reliable, comparable & verifiable as per the UCPD.



Product Environmental Footprint (PEF)

2010:

The EU mandate:

"develop a common methodology on the quantitative assessment of environmental impacts of products, throughout their life-cycle, in order to support the assessment and labelling of products".

The EU adopts the EU PEF method*

a life cycle assessment (LCA) based method to quantify the environmental impacts of products.

The EU appoints Quantis and SAC to develop PEFCR.

* <https://publications.jrc.ec.europa.eu/repository/handle/JRC115959>



PEF Category Rules (PEFCR)

PEFCR aims to create shared EU rules/methodology to :

- calculate product impacts
- increase comparability
- increase trustworthiness of the results

The Technical Secretariat (TS) an industry-driven group* of stakeholders tasked to develop sectorial rules on how to implement the PEF method for products which fall under the 13 categories defined by this group.

PEF Representative Product (PEF-RP)

a virtual representative product from each of the 13 product subcategories so companies can benchmark their products against an average product sold in Europe.

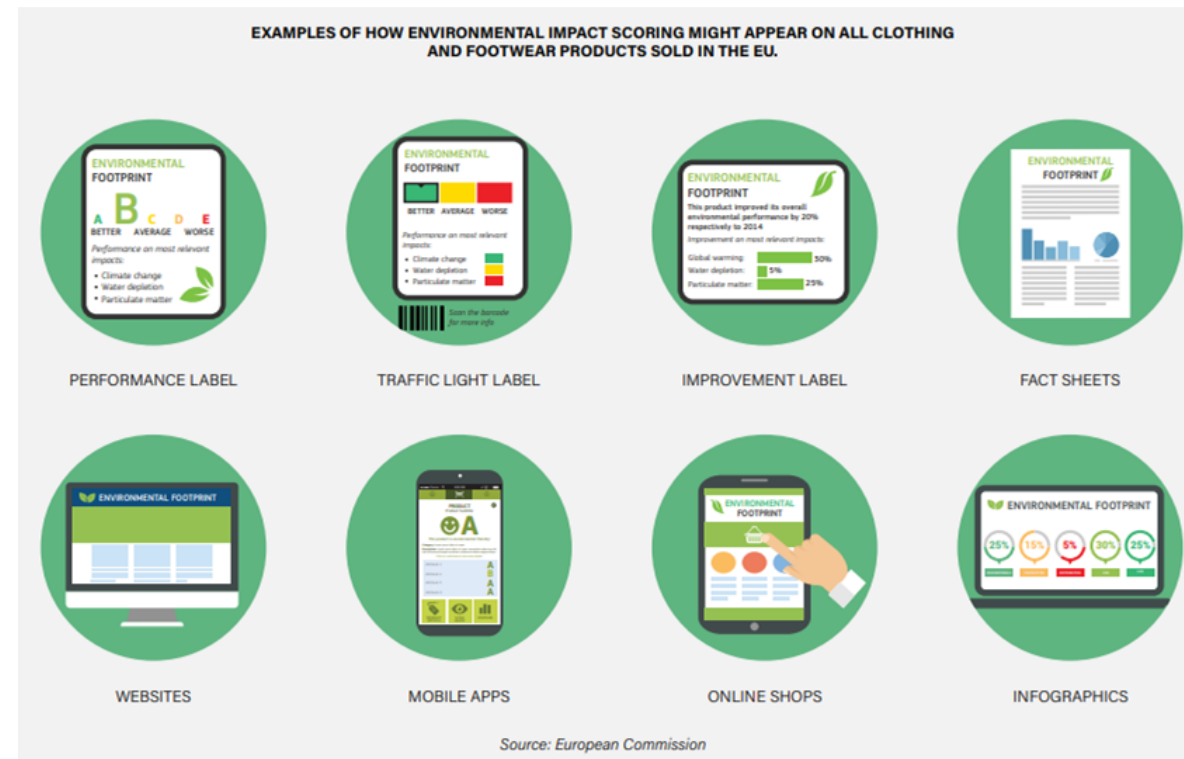
* <https://quantis-intl.com/strategy/collaborative-initiatives/product-environmental-footprint-fashion/>



Product Environmental Footprint Communication



EXAMPLES OF HOW ENVIRONMENTAL IMPACT SCORING MIGHT APPEAR ON ALL CLOTHING AND FOOTWEAR PRODUCTS SOLD IN THE EU.



To PEF or not to PEF

Current:

The policy for PEF methodology for all TCLF products is being discussed

- timing of adoption?
- mandatory to label these products?

Position:

- should offer a level playing field
- shall be enabled to calculate and use PEF with acceptable and reasonable efforts
- a strategy on data transparency and the availability of datasets
- an assessment on feasibility of economic and social impact, which considers costs for value chain actors
- the European Commission should provide an extensive definition of the “green claims” category.

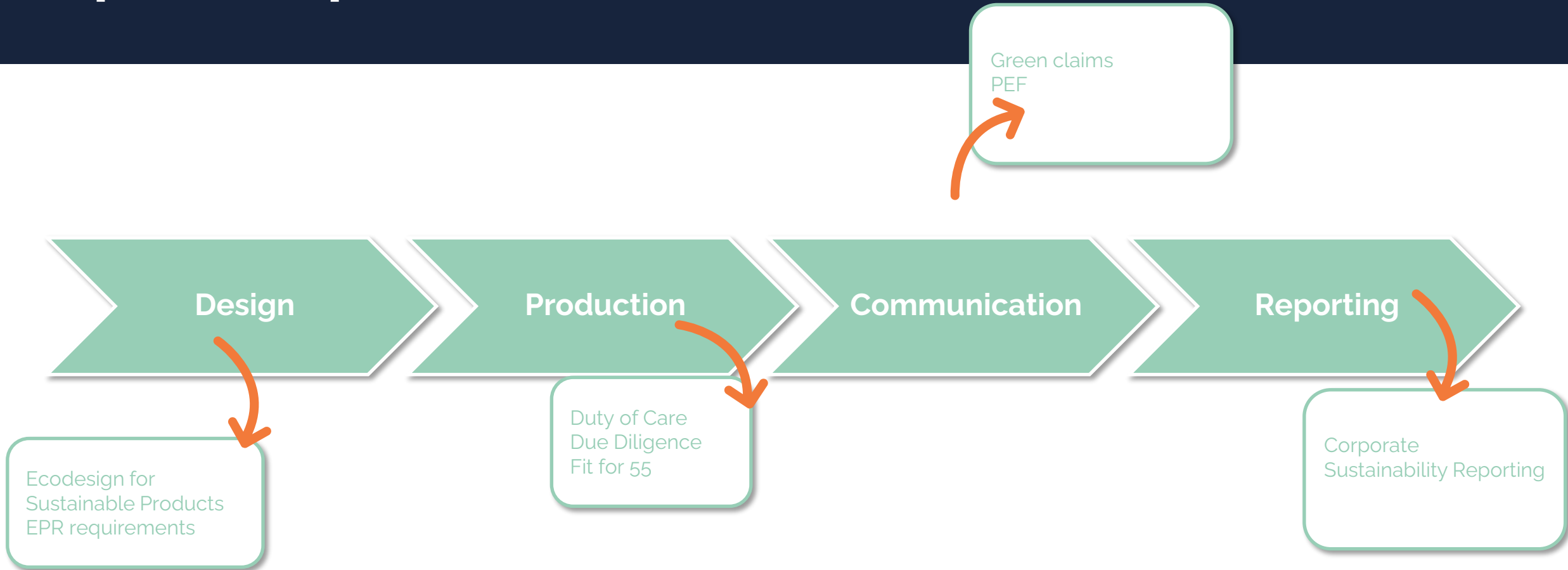


Corporate Sustainability Reporting Directive (CSRD)

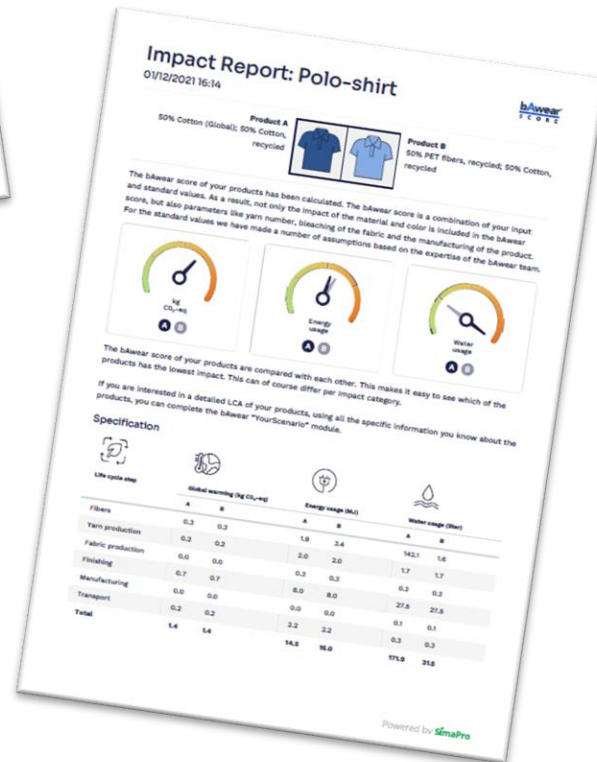
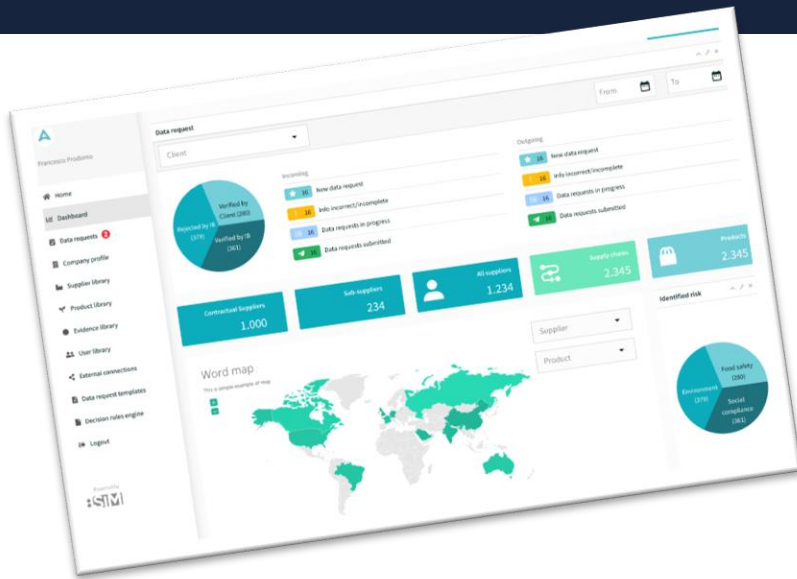
- All large companies meeting at least 2 out of 3 criteria:
 - 250 employees and/or
 - €40M Turnover and/or
 - €20M Total Assets
 - Listed companies
- Requires the **audit** (assurance) of reported information
- reporting according to mandatory **EU sustainability reporting standards**
- '**double materiality perspective**', meaning that companies have to report about how sustainability issues affect their business and about their own impact on people and the environment.
- requires companies to **digitally 'tag'** the reported information, so it is machine readable and feeds into the European single access point



Impact on process



The importance of data



- Map your value chain
- Define data need
- Verifiable
- Measurable
- Data has value
- Differentiate between data and information
- Make sure your data is safe



Europese wetgeving: demo transparantie tool

Leontien Hasselman - Plugge - ImpactBuying
Brechtje Helderweirdt - ImpactBuying

ImpactBuying
PROVEN POSITIVE IMPACT

MODINT.

Powered by



Hoe kan het platform een bewezen positieve impact hebben?

- Due diligence uitvoering: ESG/SDG's rapportage: Meten is weten is actie
- De due diligence policy en bijbehorende risk assessment wordt gedigitaliseerd en gerelateerd aan het product, de wet processing facility en de inkooppraktijken.
- Risico management bij product & supply chain verbinding: concreet uitvragen bewijs
- Toeleveringsketen visualisatie
- Data collectie: mensenrechten, social compliance en kinderarbeid, op weg naar een leefbaar loon
- Modint Ecotool - Co2 footprint op product niveau bAware
- Water-, chemicaliën- en energieanalyse om verbeteringen door te voeren



Traditional supply chain mapping

Fabric finishing*	Please specify the processes	Continuous / batch / semi-continuous	specify equipment, liquor ratio, tba..	heat exchange tba.	Producer	Town and Country
Pre-treatment (scouring, bleaching... Dyeing Fixation washing, rinsing finishing drying	Rope Dyeing Washing Standart Finishing Clindi Dyeing	batch cont cont cont		Y/N Y/N Y/N Y/N	DNM TEXTILE FOR SPINNING WEAVING AND	Damietta/Egypt
<i>*Please complete as detailed as possible, you might have to add extra rows</i>						
Manufacturing (cutting)	Composition end product	Composition %	Cutting waste % / Recycled	Producer	Town and Country	Is waste recycled? %

Item No	Qty	Item	Row	Row	Row	Category	Description	Place	Stock	Details	DBD Desc
0		TC pocket	TC	TC	Local Supplier	TC	TC	TC			off white
1		PLASO XV	FLASO	PLASO	New Lic Company	Labels	Silicone print 1,8 cm2 Silicone print 2,4 cm2 Plastic print 212 cm2	393 Bluk			DARK BLUE 393 Bluk DENV
1		PC104	PC104	A-Funkon LTD	WVC	WVC	WVC	393 Bluk			0900 Vbu
1		YEX Metal Zip - TATE	2TE001	YEX	Reducted BV	Zipperets	Maral Zip	393 Bluk			393 Bluk 0900 TCS
1		YEX Metal Zip - TATE	2IA001	YEX	Reducted BV	Zipperets	Maral Zip	393 Bluk			393 Bluk 0900 TCS
1		PRE500 XV	PRE500	New Lic Company	Reagins	XV	As left front button	393 Bluk			393 Bluk 0900 TCS
1		PRE500 XV	P.500	A.P. Spicce (P) LTD	Jewel Buttons	Jewel Buttons	JV Blak Button	393 Bluk			393 Bluk 0900 TCS
1		PLASO XV	FLASO	New Lic Company	Labels	JV	As left front button	393 Bluk			393 Bluk 0900 TCS
6		PRE500 XV	PRE500	A.P. Spicce (P) LTD	Reins	XV	Reins	393 Bluk			393 Bluk 0900 TCS

amfori BSCI

Producer: RIMAKS TEKSTIL URUNLER VE SAN. TIC. A.S.

DBD : 11802 and 1488 16 : 103251 Audit Date : 05/03/2019

Rating Definitions

Rating	A combination of ratings per Performance Areas are:	Consequence
A Very Good	<ul style="list-style-type: none"> Maximum 7 Performance Areas rated A No Performance Areas rated C, D or E <p>These are three examples:</p> <p>A B B B B B B</p>	The auditee has the level of maturity to maintain its improvement process without the need for a follow-up audit.
B Good	<ul style="list-style-type: none"> Maximum 3 Performance Areas rated C No Performance Areas rated D or E <p>These are three examples:</p> <p>A A A A A A A A B B B B B B A A A A A A A A B B B B B B B B B B B B B B B B C C C C</p>	The auditee has the level of maturity to maintain its improvement process without the need for a follow-up audit.
C Acceptable	<ul style="list-style-type: none"> Maximum 2 Performance Areas rated D No Performance Areas rated E <p>These are three examples:</p> <p>A A A A A A A A C C C C C C A A A A A A B B B B C C C C D C C C C C C C C C C C C C D</p>	The auditee needs follow up to support its progress. Following the completion of the audit, the auditee develops a Remediation Plan within 60 days.
D Insufficient	<ul style="list-style-type: none"> Maximum 5 Performance Areas rated E <p>These are three examples:</p> <p>A A A A A A A A A A D D D D A A A B B B B B C C C C D D E D D D D D D D D E E E E E E E</p>	The auditee needs follow up to support its progress. Following the completion of the audit, the auditee develops a Remediation Plan within 60 days.
E Unacceptable	<ul style="list-style-type: none"> Maximum 7 Performance Areas rated E <p>These are three examples:</p> <p>A A A A A A A A E</p>	amfori BSCI Participants shall closely oversee the auditee's progress as the producer may represent a higher risk than other business partners.
Zero Tolerance	A Zero Tolerance Issue was identified [see amfori BSCI System Manual Part V – Annex 5: amfori BSCI Zero Tolerance Protocol]	

amfori BSCI www.bsciform.org Page 07/14

DNM DNM TEXTILE SPINNING, WEAVING and DYEING

OFFICE
Abdurrahman Nafiz Guman Mah. General
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F: +90 (212) 465 6232

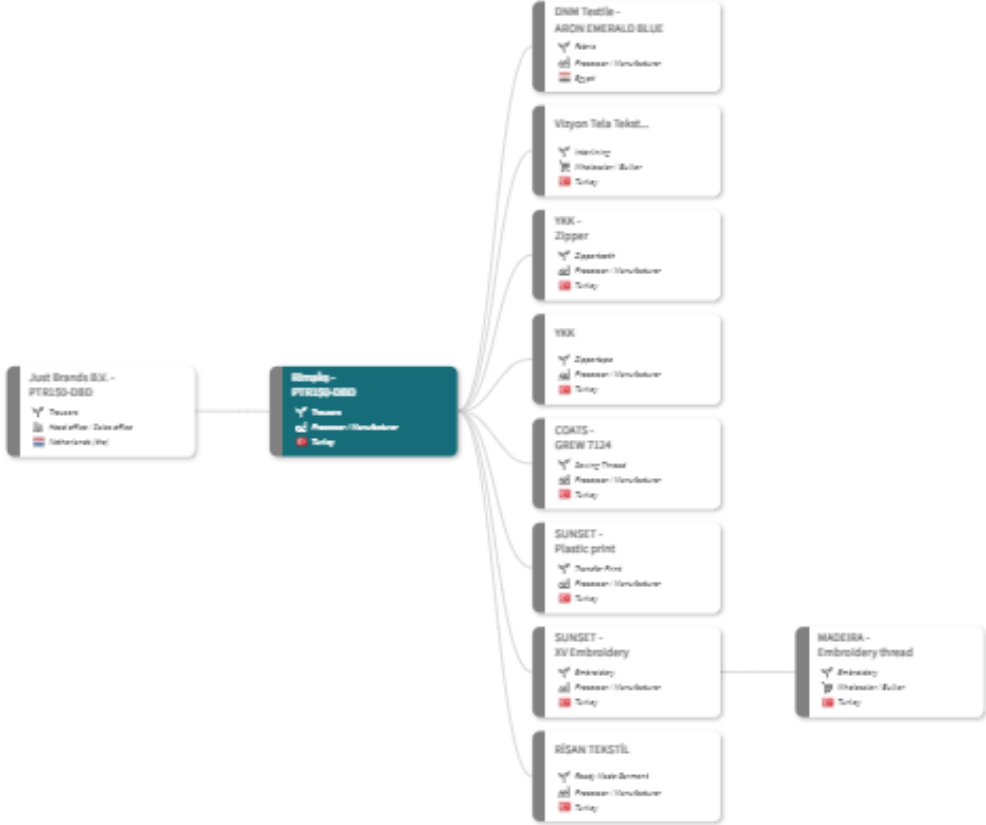
FABRIC SPECIFICATION

ARTICLE NAME : ARON EMERALDBLUE_ORG PRD NO : 76014 DATE : 29.10.2019
SAMPLE NAME : COLOR : EMERALDBLUE

CONSTRUCTION		QUALITY CONTROL				
WEAVE	3/1 RHT	QUALITY CONTROL SYSTEM		4 POINT SYSTEM		
COMPOSITION	82%CO 18%EL 1413CLY 164EM	SHADE CONTROL SYSTEM		SSS		
NOTE	82% ORGANIC COTTON	SHADE CONTROL RECIPE				
PHYSICAL	Test Method	units	MIN	AVG	MAX	REMARKS
WEIGHT	ASTM D3776	gr/m2	370	389	409	RAW FABRIC
WEIGHT	ASTM D3776	oun/yd2	10,91	11,30	12,05	
WEIGHT	ASTM D3776	gr/m2	415	437	459	1*90 HL
WEIGHT	ASTM D3776	oun/yd2	12,75	12,90	13,04	
USABLE WIDTH		cm	153			RAW FABRIC
SHRINKAGE Warp	ISO 6336	%	-1		-4	1*90 HL
SHRINKAGE Weft	ISO 6336	%	-11		-14	1*90 HL
SKW MOVEMENT	LSCD Method 2	%	-3		3	1*90 HL
TEAR STRENGTH Warp	ASTM D5424	gr	4300			1*90 HL
TEAR STRENGTH Weft	ASTM D5424	gr	3300			1*90 HL
TENSILE STRENGTH Warp	ASTM D5034	kg	65			1*90 HL
TENSILE STRENGTH Weft	ASTM D5034	kg	40			1*90 HL
STIFFNESS	ASTM D4932	kg		N/A		RAW FABRIC
WARP ELONGATION	ASTM D33107	%		N/A		RAW FABRIC
WARP ELASTICITY	ASTM D33107	%		N/A		1*90 HL
WEFT ELASTICITY	ASTM D33107	%	32	N/A	38	1*90 HL
WARP GROWTH	ASTM D33107	%	3	N/A	6	1*90 HL
WEFT GROWTH	ASTM D33107	%	3	N/A	6	1*90 HL
SEAM SLIPPAGE (Warp x Weft)	ASTM D5683	kg		N/A		1*90 HL
pH	ISO 3071/Morosen	Value	4,5		7,5	RAW FABRIC
COLOR FASTNESS	Test Method	units	MIN	AVG	MAX	REMARKS
COOKING Dry	ATCC 8	rating	3			RAW FABRIC
COOKING Wet	ATCC 8	rating	1,5			RAW FABRIC
VISUAL	Test Method	units	MIN	AVG	MAX	REMARKS
Dp/100m2	SP	#P	14		20	
Major Defects/100m		#defects			5	
Piece Length	MT	15				
Roll Length	MT	30				
#Piece / Roll	PCS	3				
Max SHADE (for 0<x<5000 mt shipments)	Value			4		
Max SHADE (for 5000<x<10000 mt shipr)	Value			6		
Max SHADE (for 10000+ mt shipments)	Value			8		
Care Instructions	Certifications					
Fabric:						
Garmet:						

Impact Buying supply chain mapping

ImpactBuying^{BY}



Impact Buying supply chain reporting

Francesco Prodomo

Home

Dashboard

Data requests 2

Company profile

Supplier library

Product library

Evidence library

User library

External connections

Data request templates

Decision rules engine

Logout

Powered by STIM

Configure Widgets

Data request

Client

From

To

Verified by Client (280)

Rejected by IB (379)

Verified by IB (361)

Incoming

16 New data request

16 Info incorrect/incomplete

16 Data requests in progress

16 Data requests submitted

Outgoing

16 New data request

16 Info incorrect/incomplete

16 Data requests in progress

16 Data requests submitted

Contractual Suppliers 1,000

Sub-suppliers 234

All suppliers 1,234

Supply chains 2,345

Products 2,345

Word map

This is simple example of map

Supplier

Product

Identified risk

Food safety (280)

Environment (379)

Social compliance (361)



Fashion Technology Is Data



SUPPL | HI

EU Directive Proposal on Corporate Sustainability Due Diligence

Industry initiatives and independent third-party verification to avoid adverse impacts on human rights and environment throughout global supply chains

Het modepaspoort klopt aan de deur

Corporate Sustainability Reporting Directive

CSRD

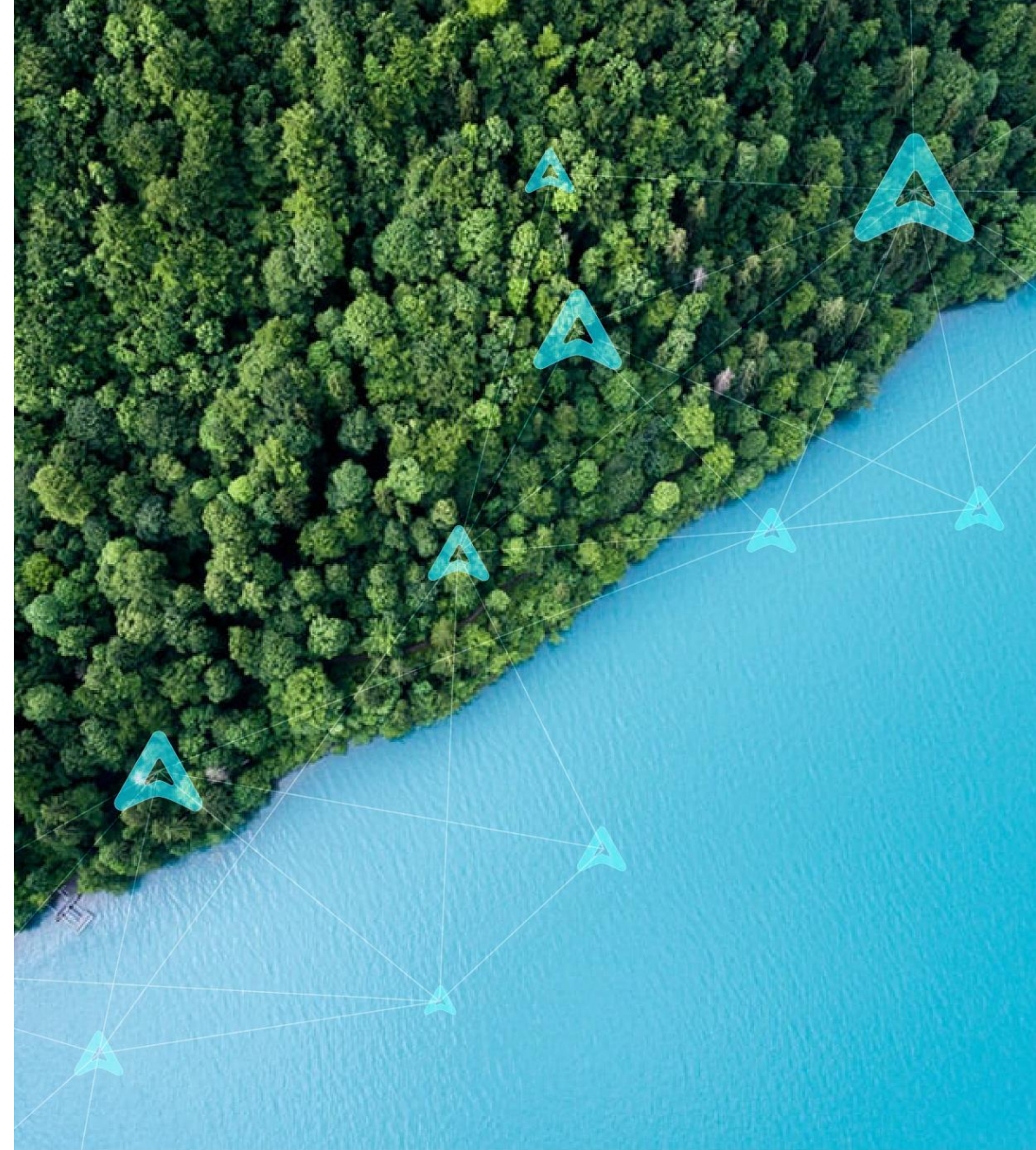
Degrees matter

A total of 196 countries have agreed that we need to limit global temperature rise to 1.5°C to ensure a healthy future for our planet. At H&M Group, we are committed to working towards to this global ambition.

In early 2022, we introduced a new goal to double our sales by 2030 while halving our carbon footprint. This doesn't mean we want to sell twice as much or double our volumes. It means we need to reduce our dependency on virgin resources and find new ways to generate growth.

Lessons learned:

1. **Technologie is key:** maar means to an end
Technologie for good werkt alleen als het commerciële afspraken ondersteunt
2. **Data vraag groeit** exponentieel
3. **Efficiëntie in data delen**
Openheid huidige status en standaardisatie data modellen en APIs
4. **Vertrouwen**
Mensen en relaties geven vertrouwen
5. **Consumenten vraag komt**
Wellicht anders dan je denkt
6. **Milieu krijgt grotere focus** door klimaat doelen
It's not a target but a limit!



Bedankt voor het luisteren!

Meer informatie? Neem contact op met:

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