Edmond

Climate Network

Edmond Climate

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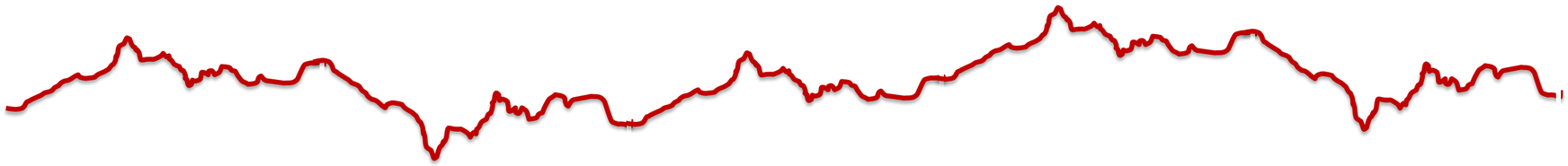
The fully integrated digital platform exclusively conceived to help the fashion industry to

TRACE PRODUCTION

MEASURE IMPACT

REDUCE CARBON FOOTPRINT

IMPROVE SUPPLY CHAIN MARGIN



Main Brands

GUESS® U.S.A. WORLD JEANS

MARCIANO

Temperley LONDON

Brandy Melville

J. Galt CALIFORNIA

& others

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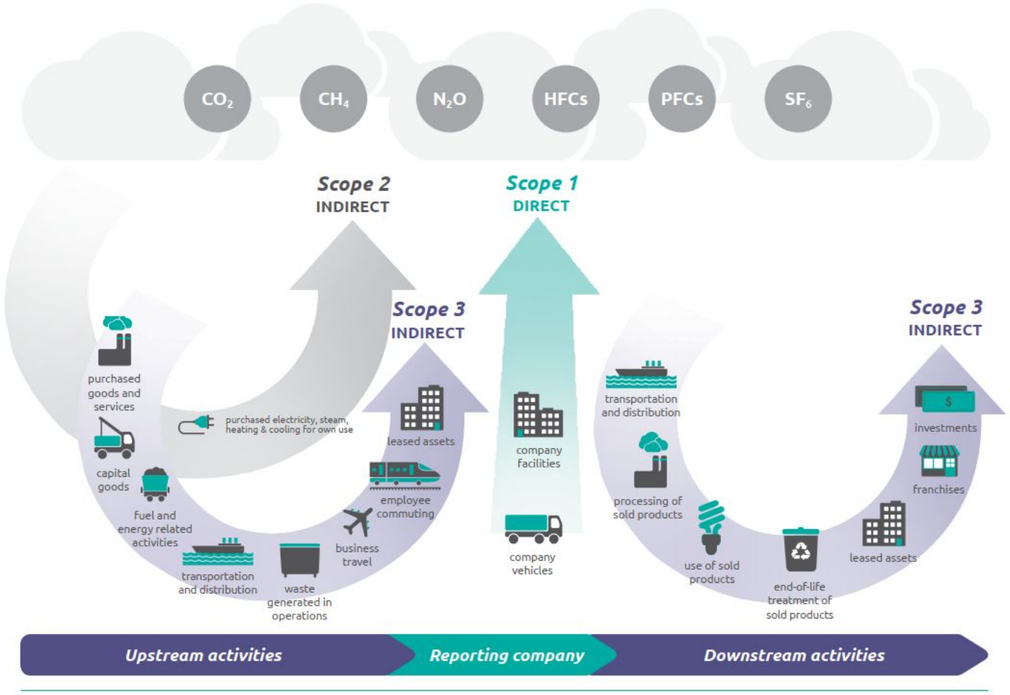
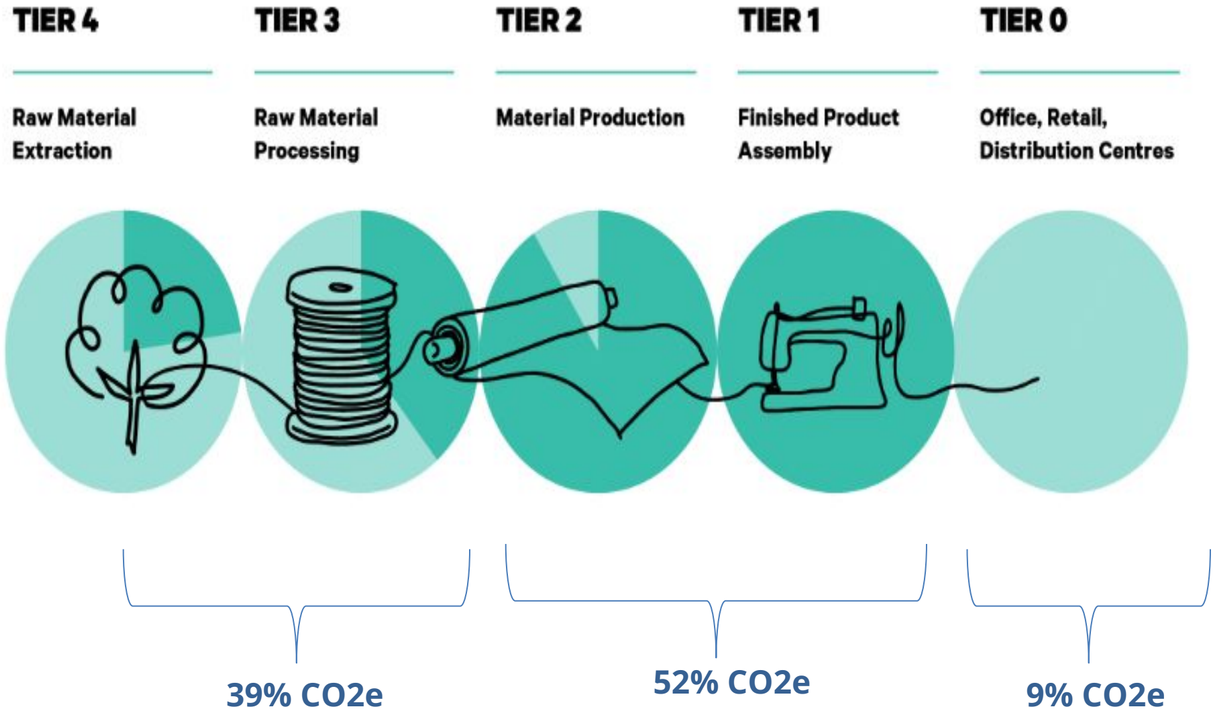
What does it mean Carbon Footprint?

General

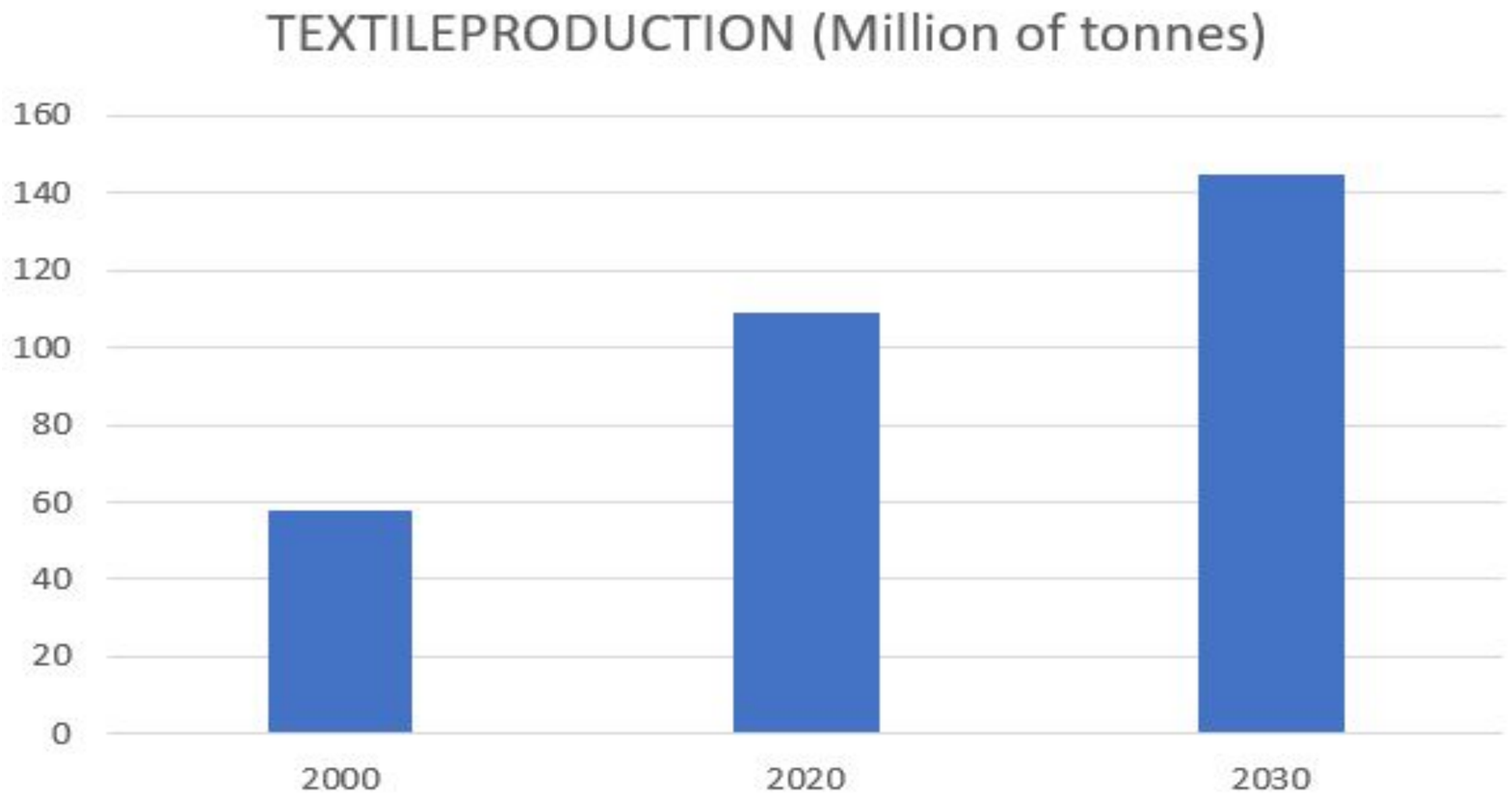


Fashion



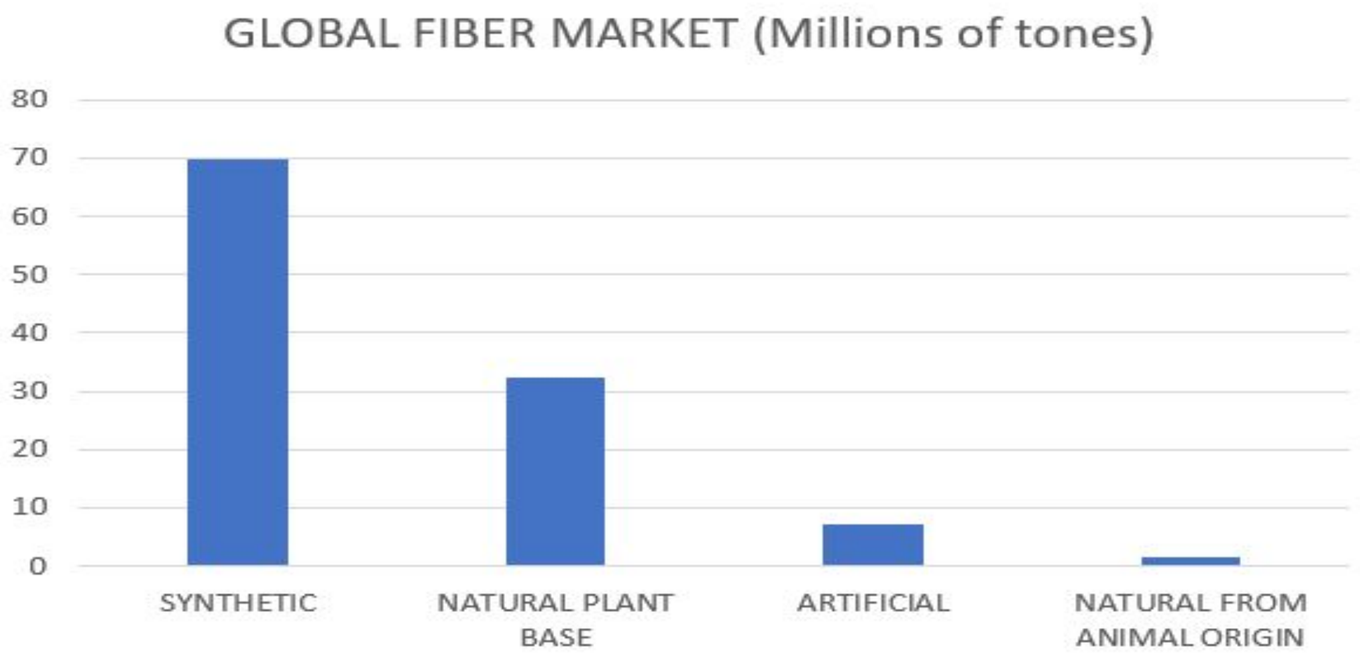
Fashion companies have publicly committed to significantly reducing greenhouse gas emissions.
On average, these commitments include a reduction of approximately 55% in Scope 1 and 2 emissions and approximately 35% in Scope 3 emissions by 2030

The trajectory of production is going to grow



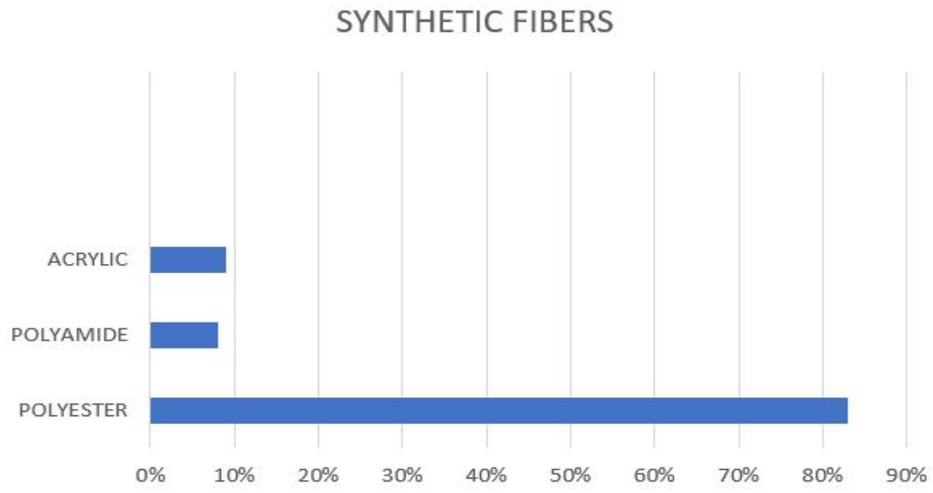
https://www.europarl.europa.eu/topics/en/article/20201208STO93327/the-impact-of-textile-production-and-waste-on-the-environment-infographics

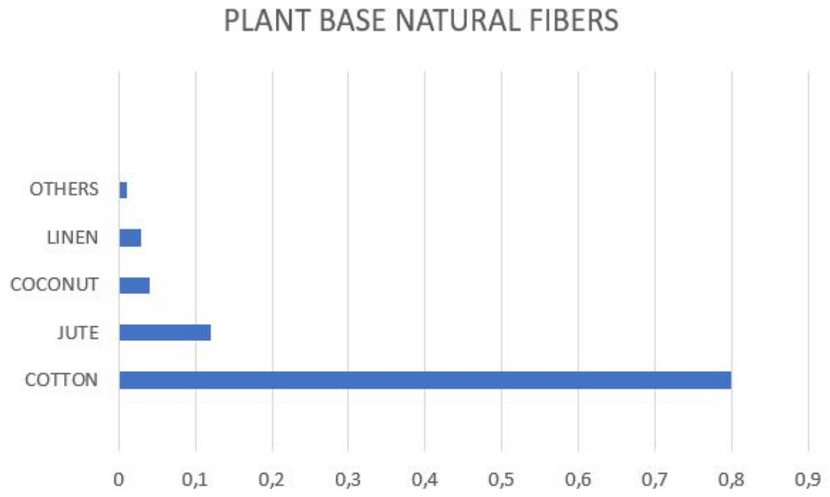
Overview of fabric typologies

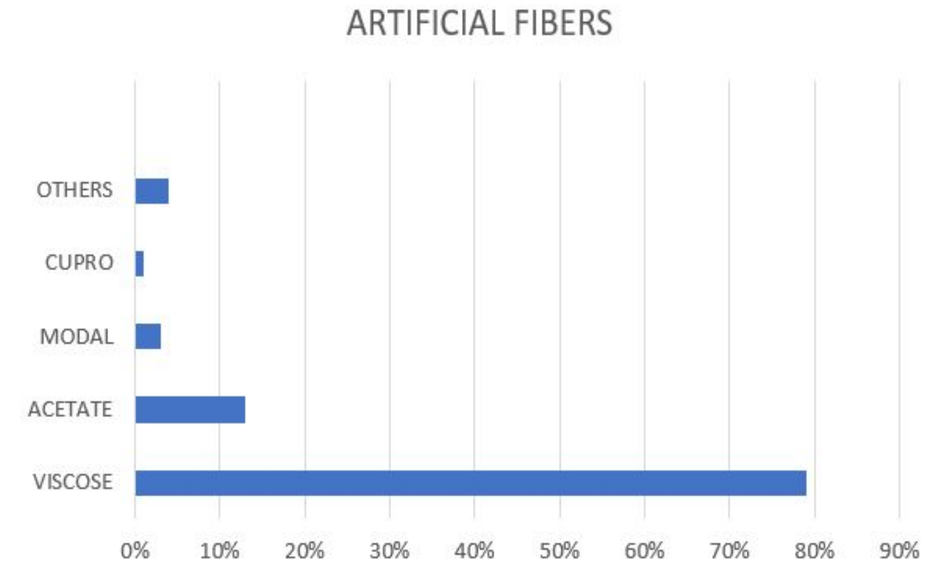


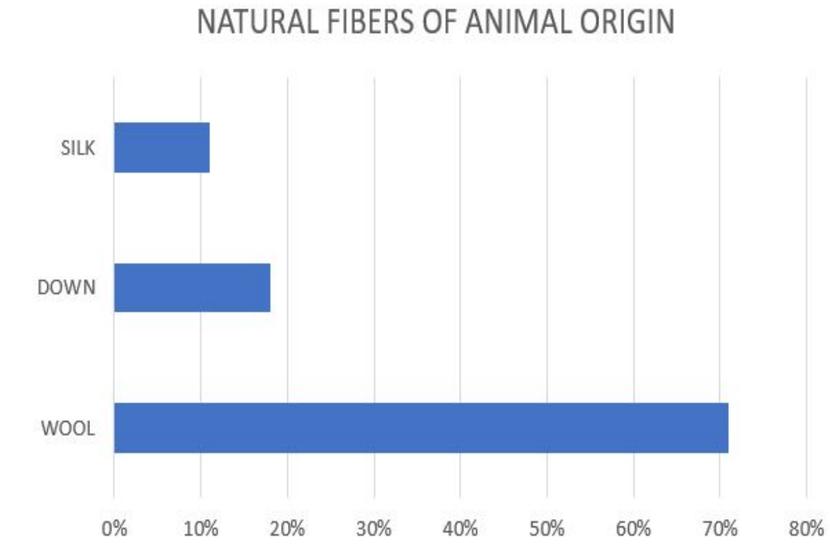
A study from the company PWC shows how in 2019 (and still today) the most used fibers are synthetic ones (69,7 million of tons), followed by natural of vegetal origin (32 million of tons), artificial (7,1 million of tones) and then natural of animal origin (1,5 million of tons)

Overview of fabric typologies per sub-category

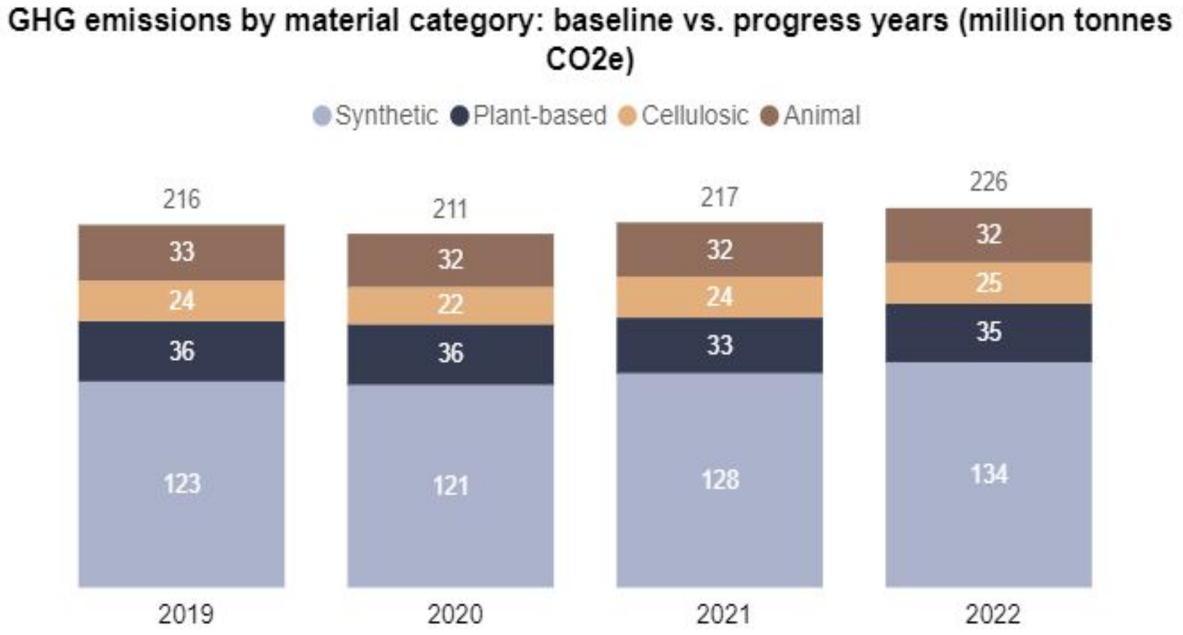


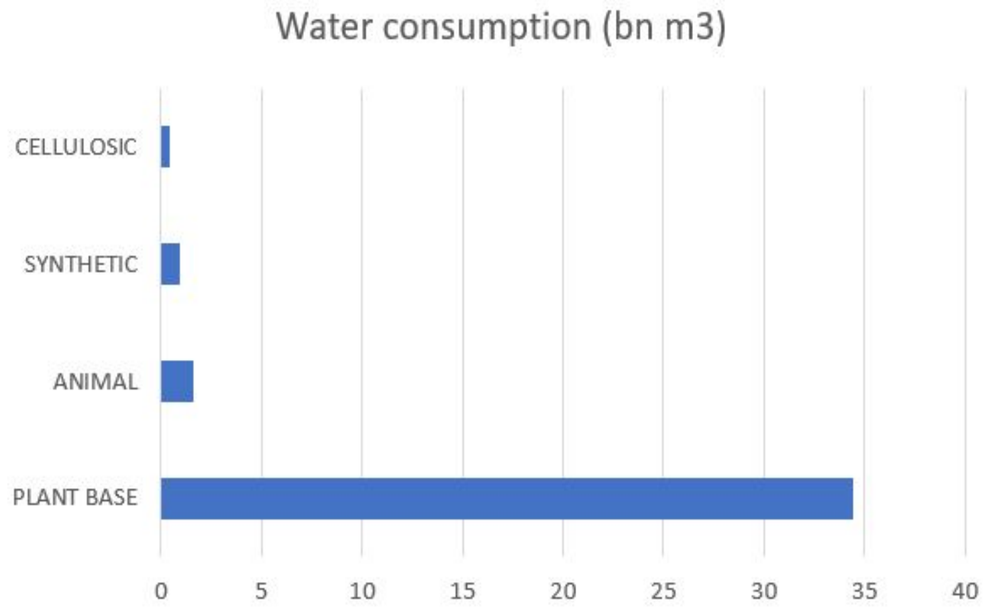






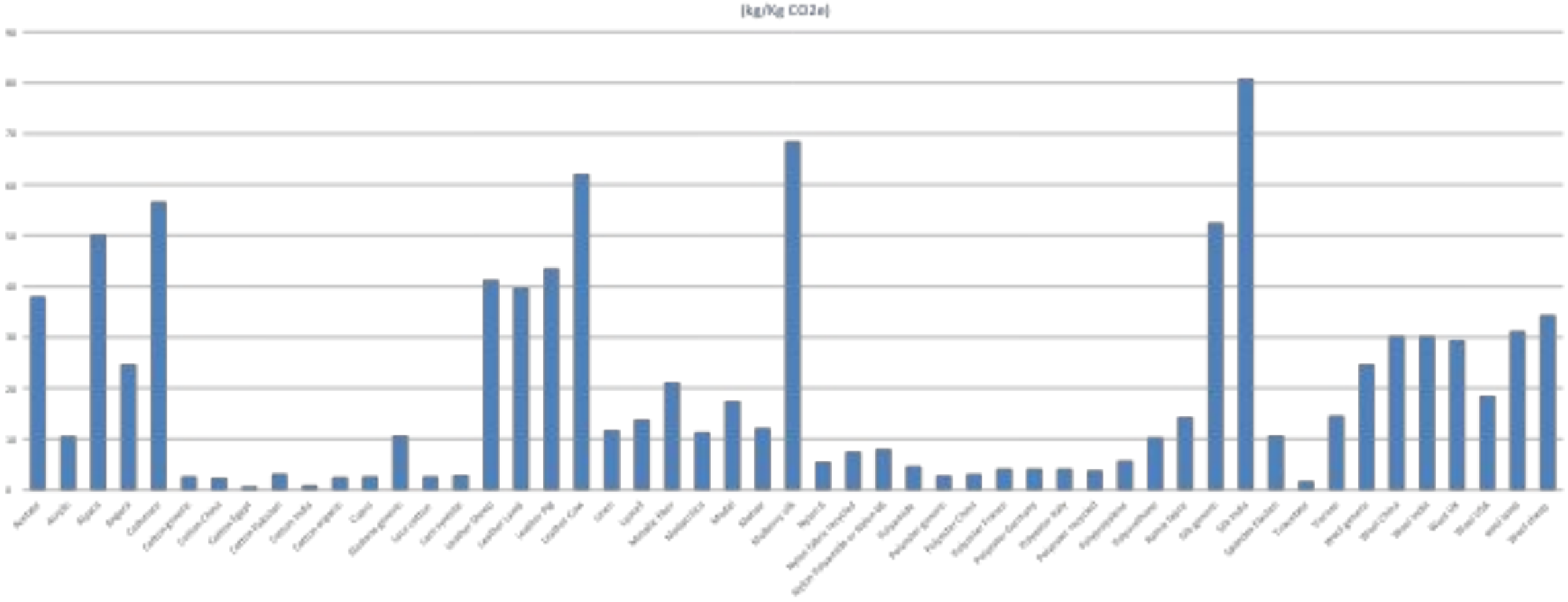
CO2e impact and water consumption for fabrics production





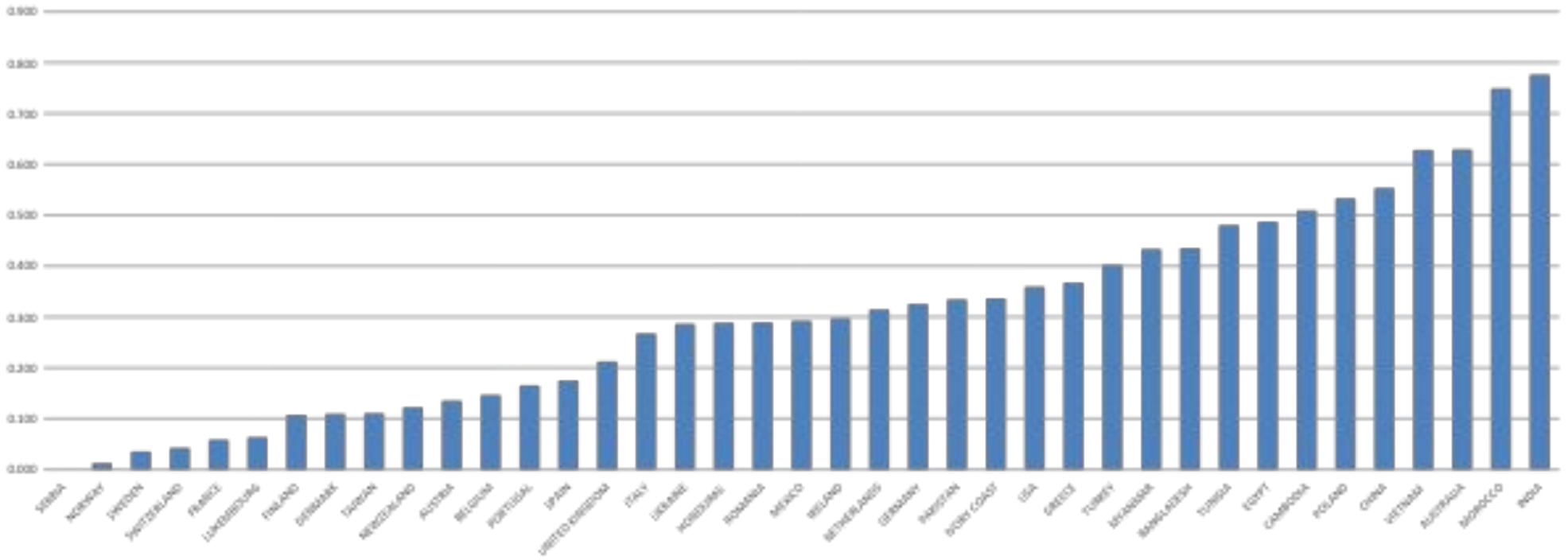
Source: Textile Exchange

CO2e impacts per fabric



Source: 2023 LCA databases and Studies

CO2e impacts (energy values) per country of production



Source: Irena 2023

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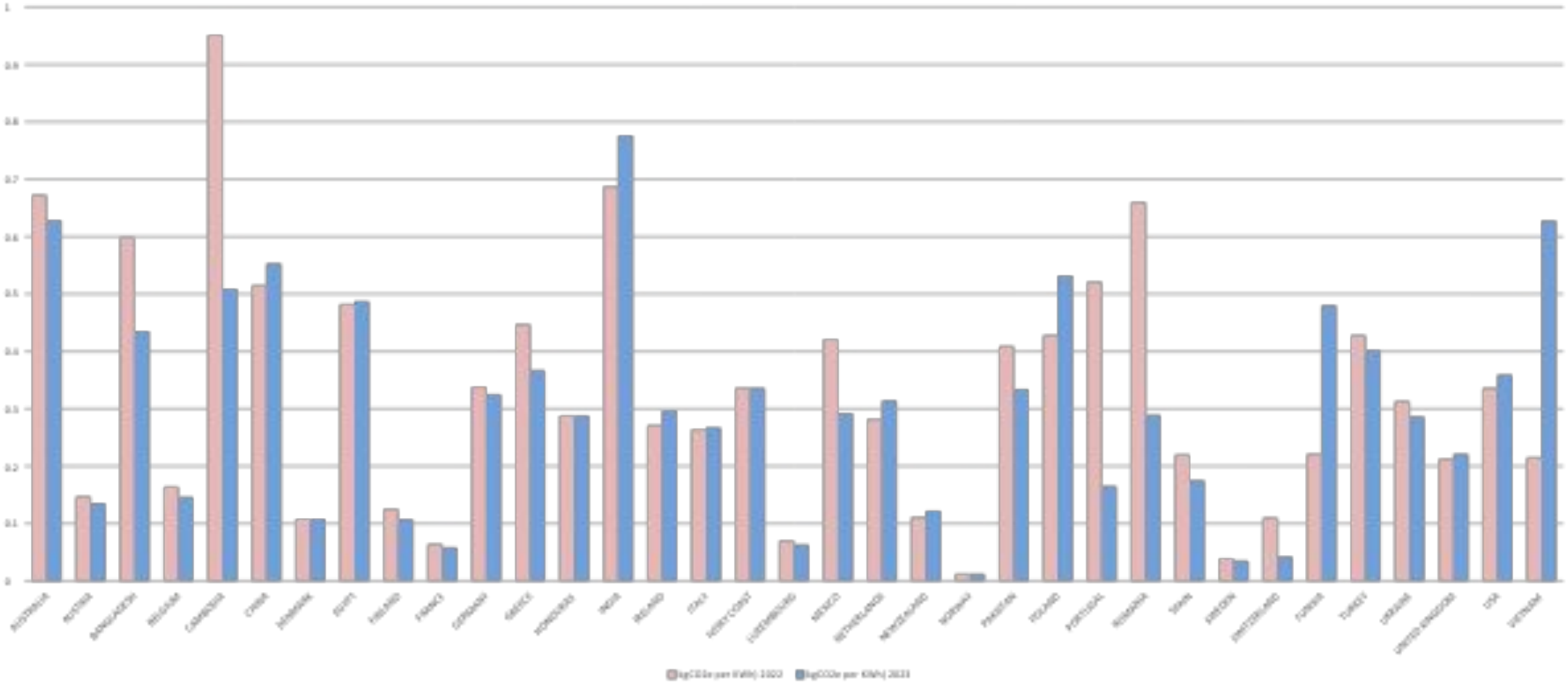
2023 vs 2022 Energy Values evolution per country



Source: Irena

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Your advantages with Edmond

FOCUS

A platform dedicated to Fashion

PRECISION

Unparalleled level of granularity

ECO-DESIGN

Measure and optimize CO2e at design phase

CERTIFIED

Obtain scientific certified results

INDEPENDANCY

No need of expensive external consultants

COST

Unlimited number of measurements

SPEED

Obtain results in seconds vs weeks

CIRCULARITY

Implement circular supply chain

COMPLIANCE

Comply with EU regulations

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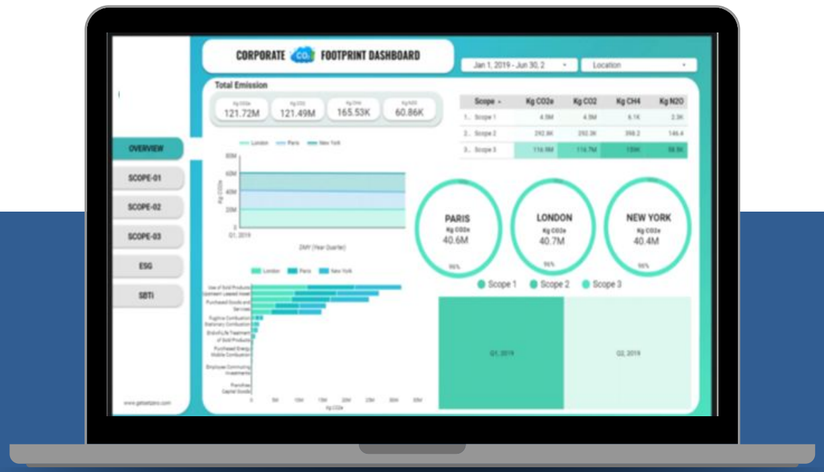
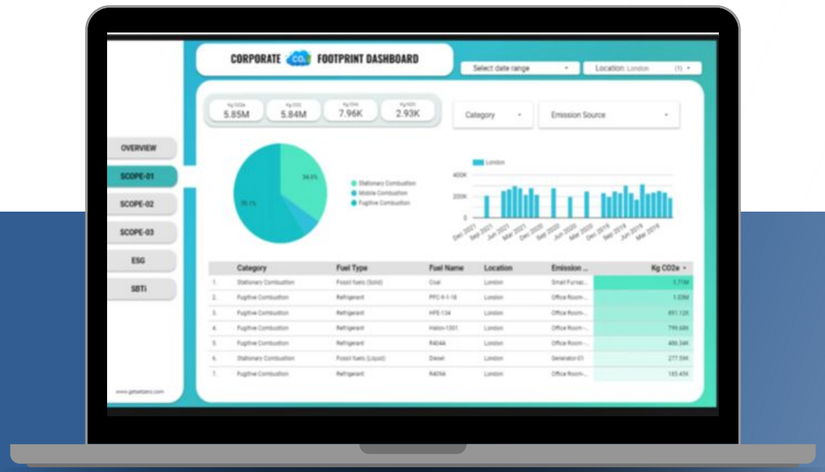
Our platform allows to measure Corporate Carbon Footprint

Scope 1, 2, 3



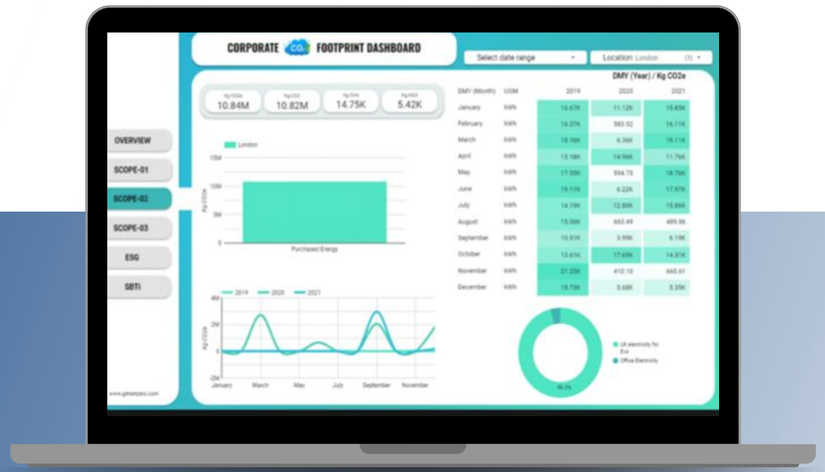
Develop Carbon Reduction Strategies

Set Near-term and Long-term Science Based Target(s)



Identify Emissions Hotspots

Track Weekly - Monthly - Quarterly - Biannually Annually Emission Trends



Corporate Climate Reporting

Reduce Carbon footprint in your supply chain

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A Tool designed by Fashion Industry Experts for Fashion Industry Experts

AT SINGLE PRODUCT LEVEL

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Available Calculators

Denim Jeans

T-shirts

Tops

Skirts

Dress

Shirt

Pants

Sweater

Fleece

Blazer

Outwear

Suits

Handbag

Sneakers

Next available: eyewear

Women Dressy shoes (pump - sandals)

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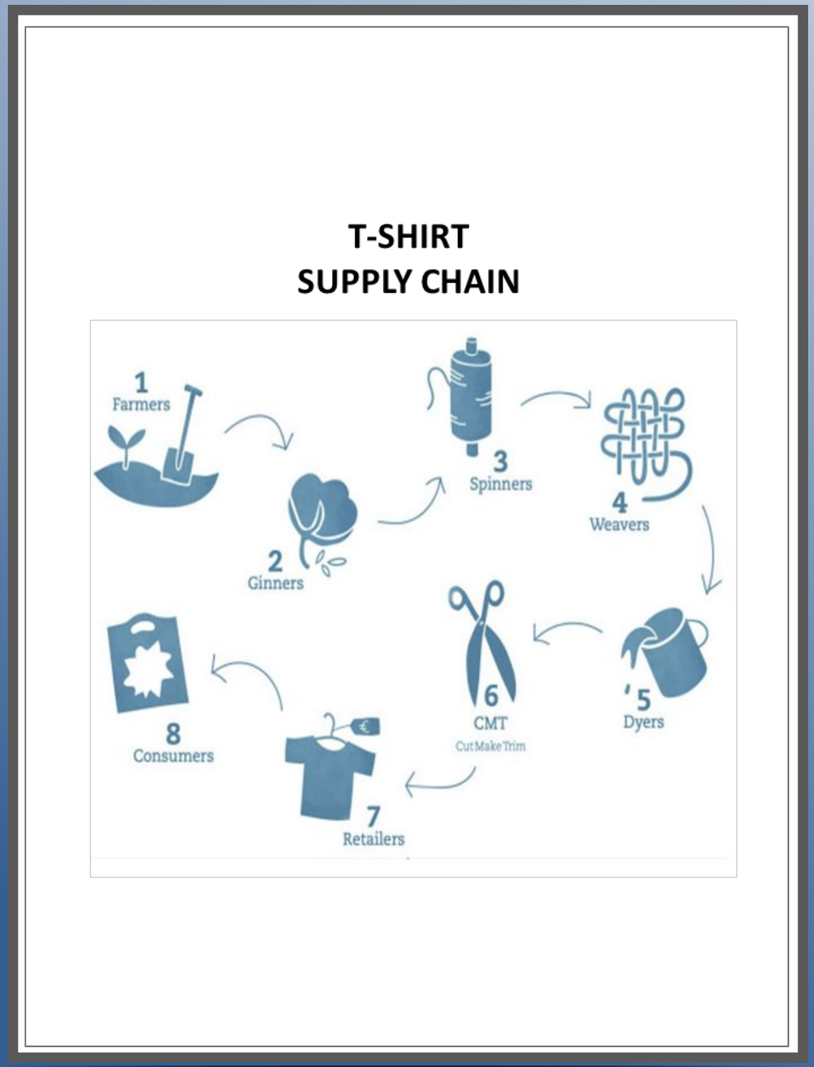
HOW DOES EDMOND CO2 CALCULATOR WORKS

We measures CO2 emissions across the product's value-chain, connecting brands to manufactures, offering a comprehensive analysis of its environmental impact



UNPARALLELED GRANULARITY

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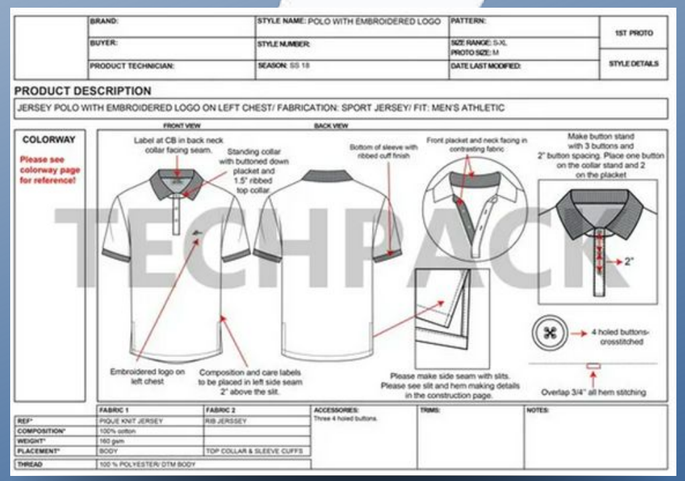
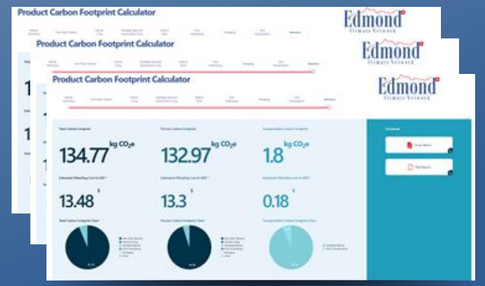
Edmond's Product Carbon Footprint

CALCULATOR'S API

Massive data upload

Massive data download





1. Possibility to massively upload all products data via dedicated API (Application Programming Interface) from every ERP & data repository
2. Results of each product (SKU) in seconds

CALCULATION REQUIRES SECONDS

GOOD FRIENDS WITH YOUR TECHSTACK

Google Big Query · Microsoft Dynamics CRM · Centric Software · ORACLE NETSUITE · datatex · snowflake · retraced · LECTRA

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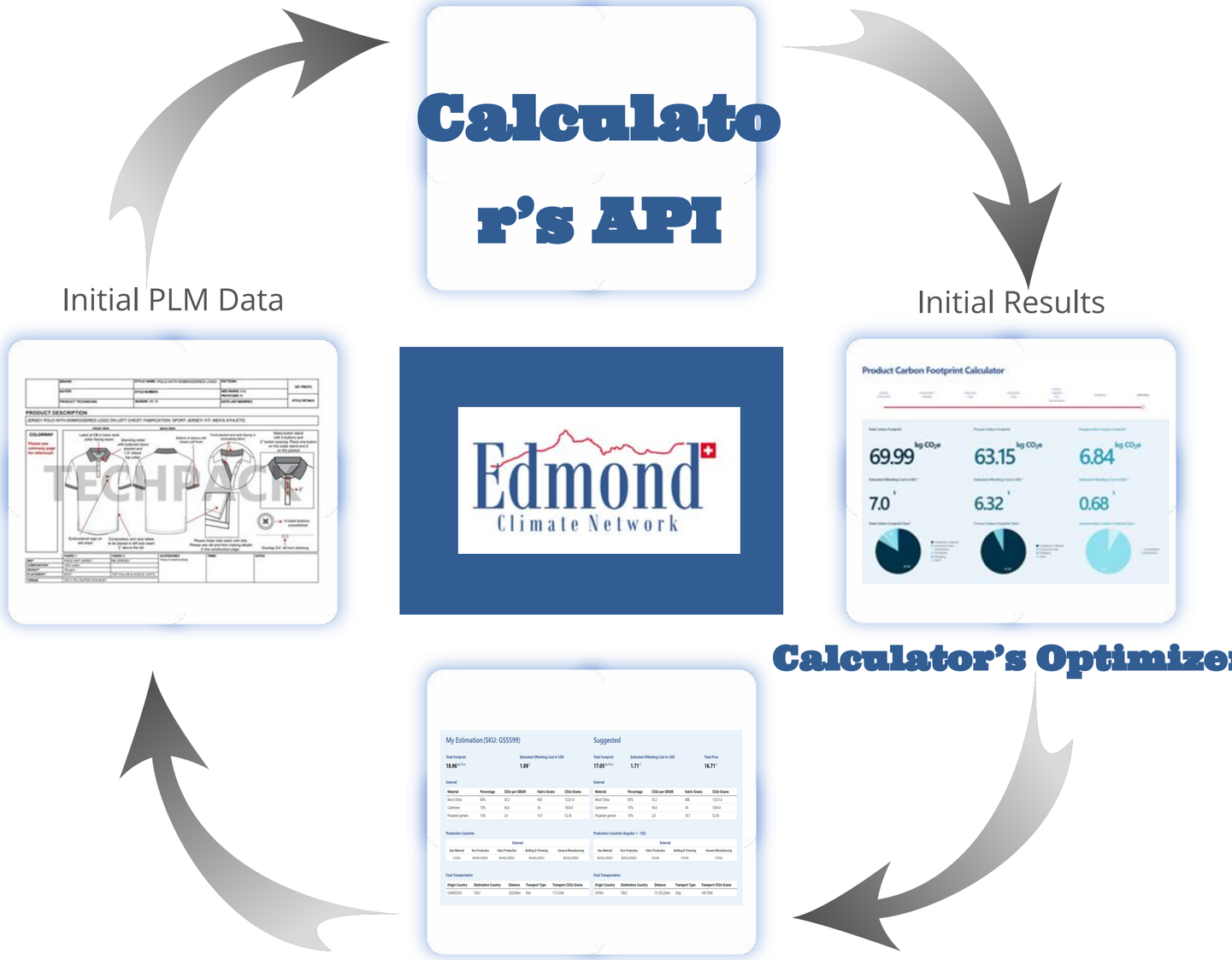
Edmond's Product Carbon Footprint ECO-DESIGNER

1. Real time monitoring of Company emissions
2. Eco-Design of collection to reduce CO2e footprint
3. Product optimizer to reduce Supply Chain costs



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Extract from TUV Certification Report

1. Edmond's product carbon calculator assesses the **carbon footprint** of products across their **entire life cycle**, including direct and indirect emissions.
2. It aids informed **decision-making** by identifying significant emission sources and enabling the implementation of **reduction strategies**.
3. The **calculator's accuracy** ensures reliability and **scientific validity**, increasing **transparency** and **trust**.

EDMOND's solutions are compliance with International Sta

GHC Protocol	ISO14067
ISO14064-1:2018 ISO14064-3:2019	PAS2050

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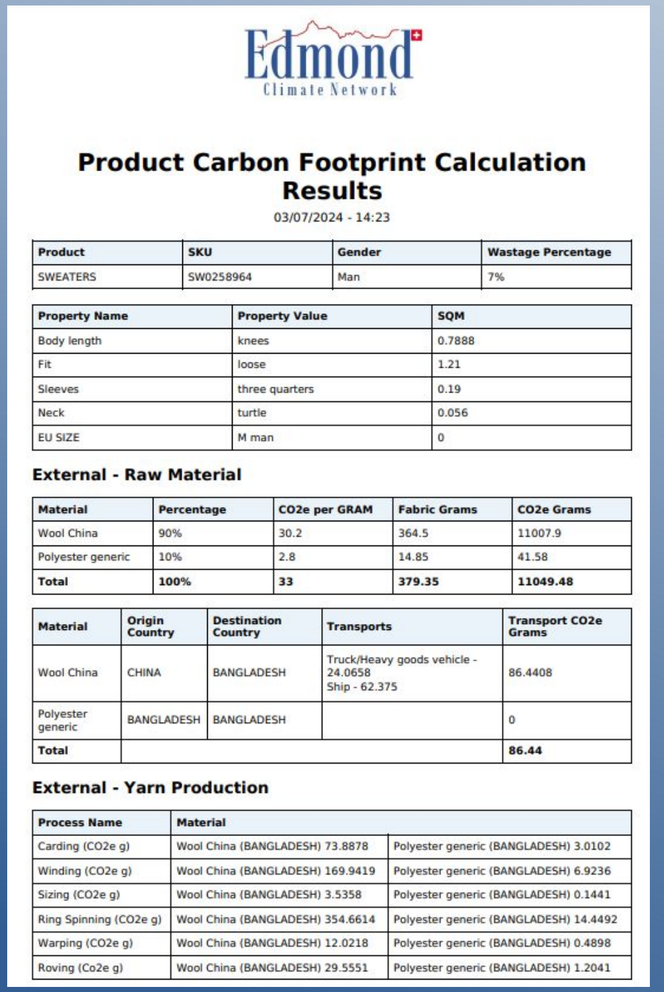
WE ENSURE COMPLIANCE

Digital Product Passports (DPPs) provides consumers with crucial supply chain information like raw material origin, processing details, transport, pollution footprint, and recyclability.

Corporate Sustainability Reporting Directive (CSRD) setting rules concerning the social and environmental information that companies have to report

Green Claim & PEF setting rules avoiding vague and misleading sustainable claims not based on scientific data



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Product Carbon Footprint Calculation Results

03/07/2024 - 14:23

Product	SKU	Gender	Wastage Percentage
SWEATERS	SW0258964	Man	7%

Property Name	Property Value	SQM
Body length	knees	0.7888
Fit	loose	1.21
Sleeves	three quarters	0.19
Neck	turtle	0.056
EU SIZE	M man	0

External - Raw Material

Material	Percentage	CO2e per GRAM	Fabric Grams	CO2e Grams
Wool China	90%	30.2	364.5	11007.9
Polyester generic	10%	2.8	14.85	41.58
Total	**100%**	**33**	**379.35**	**11049.48**

Material	Origin Country	Destination Country	Transports	Transport CO2e Grams
Wool China	CHINA	BANGLADESH	Truck/Heavy goods vehicle - 24.0658 Ship - 62.375	86.4408
Polyester generic	BANGLADESH	BANGLADESH		0
Total				**86.44**

External - Yarn Production

Process Name	Material	
Carding (CO2e g)	Wool China (BANGLADESH) 73.8878	Polyester generic (BANGLADESH) 3.0102
Winding (CO2e g)	Wool China (BANGLADESH) 169.9419	Polyester generic (BANGLADESH) 6.9236
Sizing (CO2e g)	Wool China (BANGLADESH) 3.5358	Polyester generic (BANGLADESH) 0.1441
Ring Spinning (CO2e g)	Wool China (BANGLADESH) 354.6614	Polyester generic (BANGLADESH) 14.4492
Warping (CO2e g)	Wool China (BANGLADESH) 12.0218	Polyester generic (BANGLADESH) 0.4898
Roving (Co2e g)	Wool China (BANGLADESH) 29.5551	Polyester generic (BANGLADESH) 1.2041

..and You can finally bring back your talents to you core business

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The Upcycling Platform

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Official Supplier of Sustainable Fashion