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# Edmond<sup>+</sup>

Climate Network

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**Edmond Climate**

**Network**

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

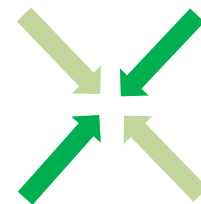
**TRACE  
PRODUCTION**



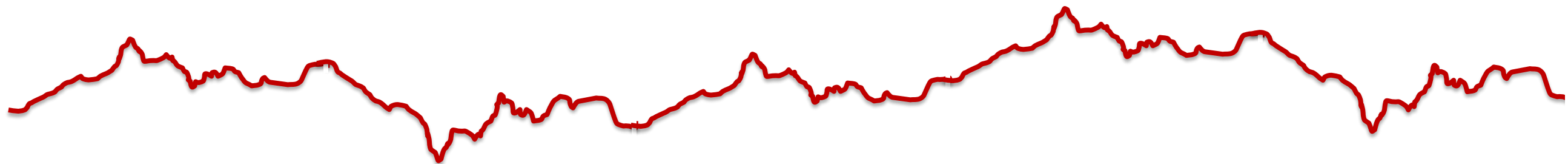
**MEASURE  
IMPACT**



**REDUCE  
CARBON FOOTPRINT**



**IMPROVE  
SUPPLY CHAIN MARGIN**



**Main Brands**



MARCIANO

*Temperley*  
LONDON

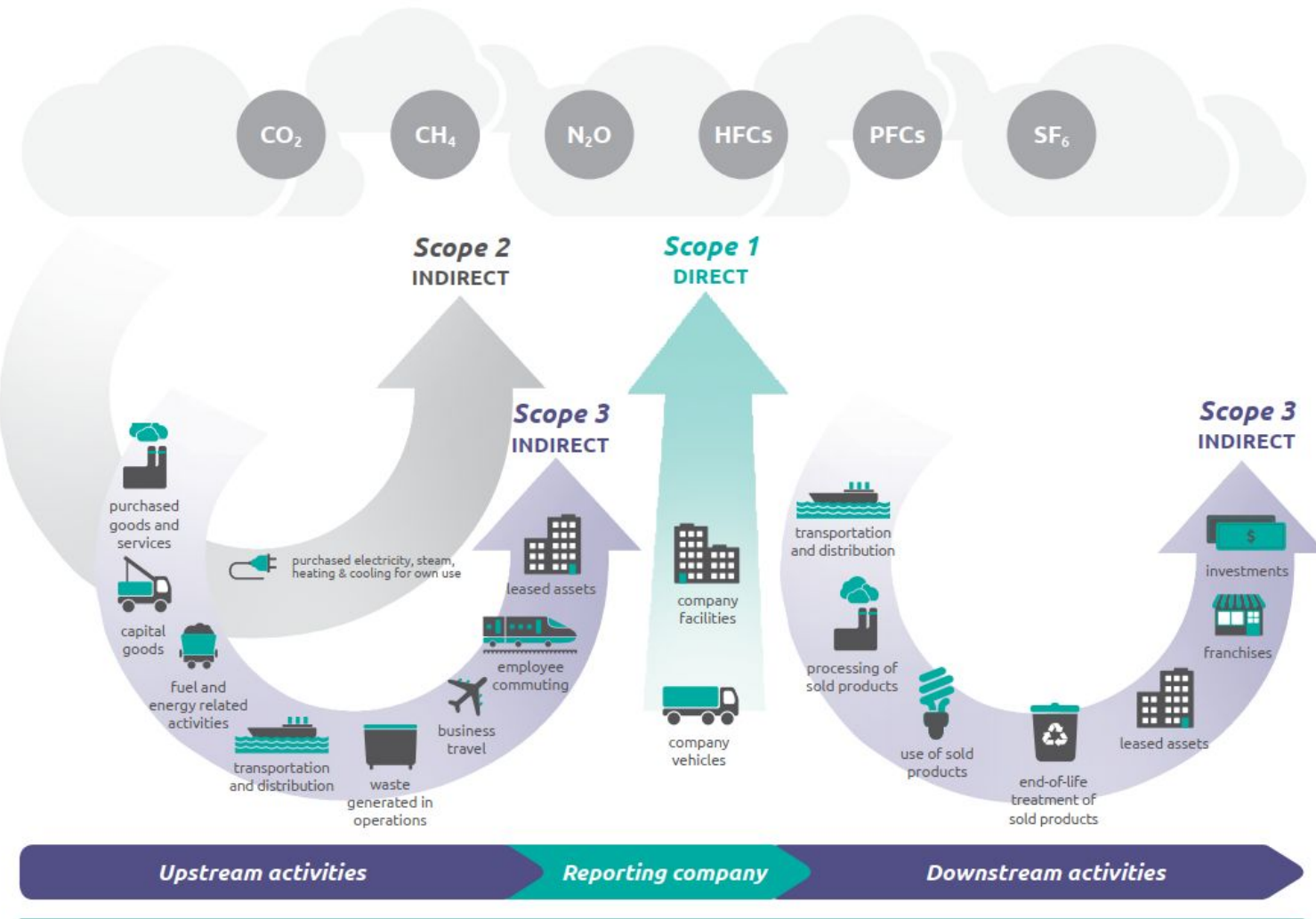
Brandy ♥ Melville



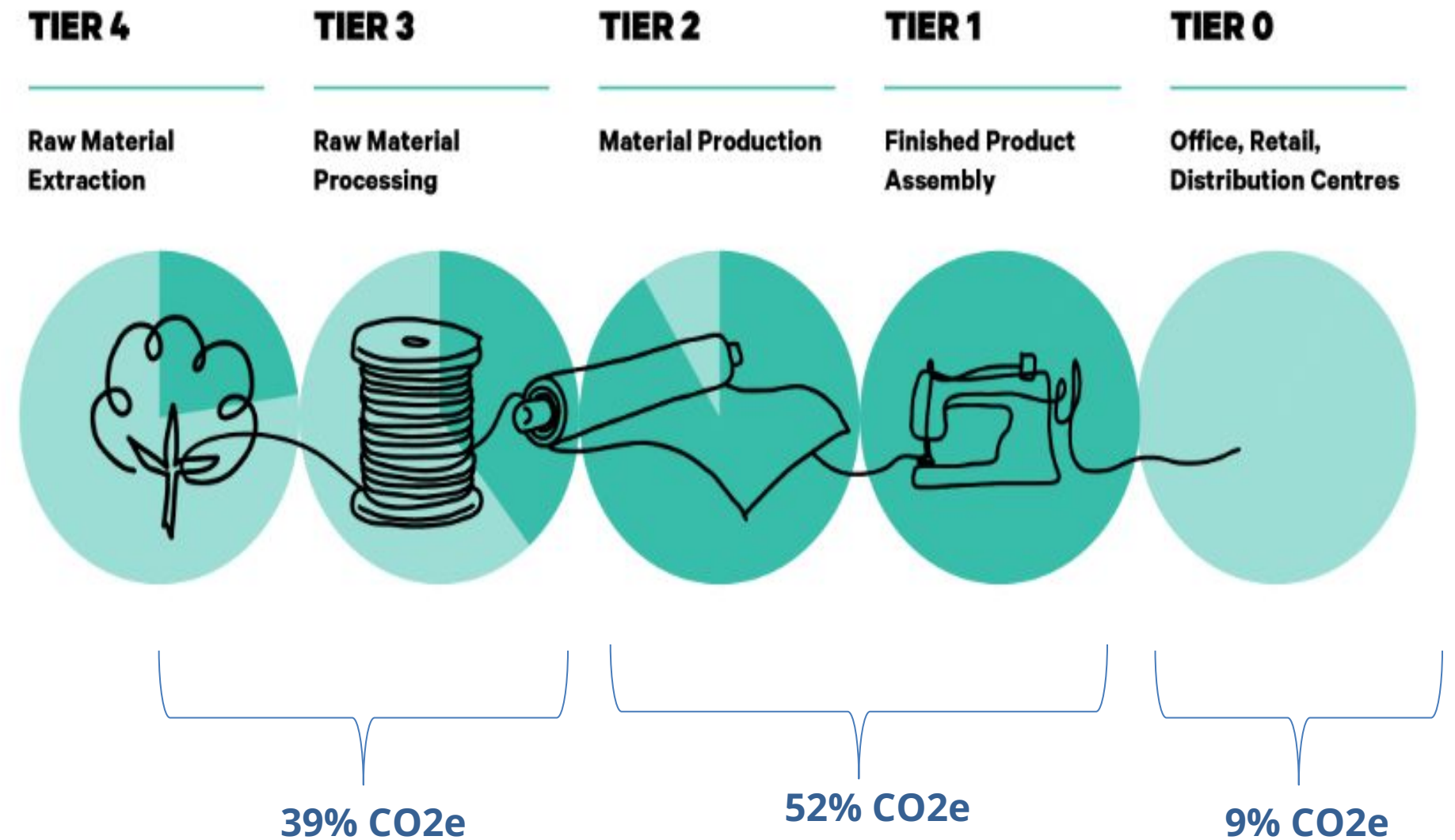
**& others**

# What does it mean Carbon Footprint?

## General



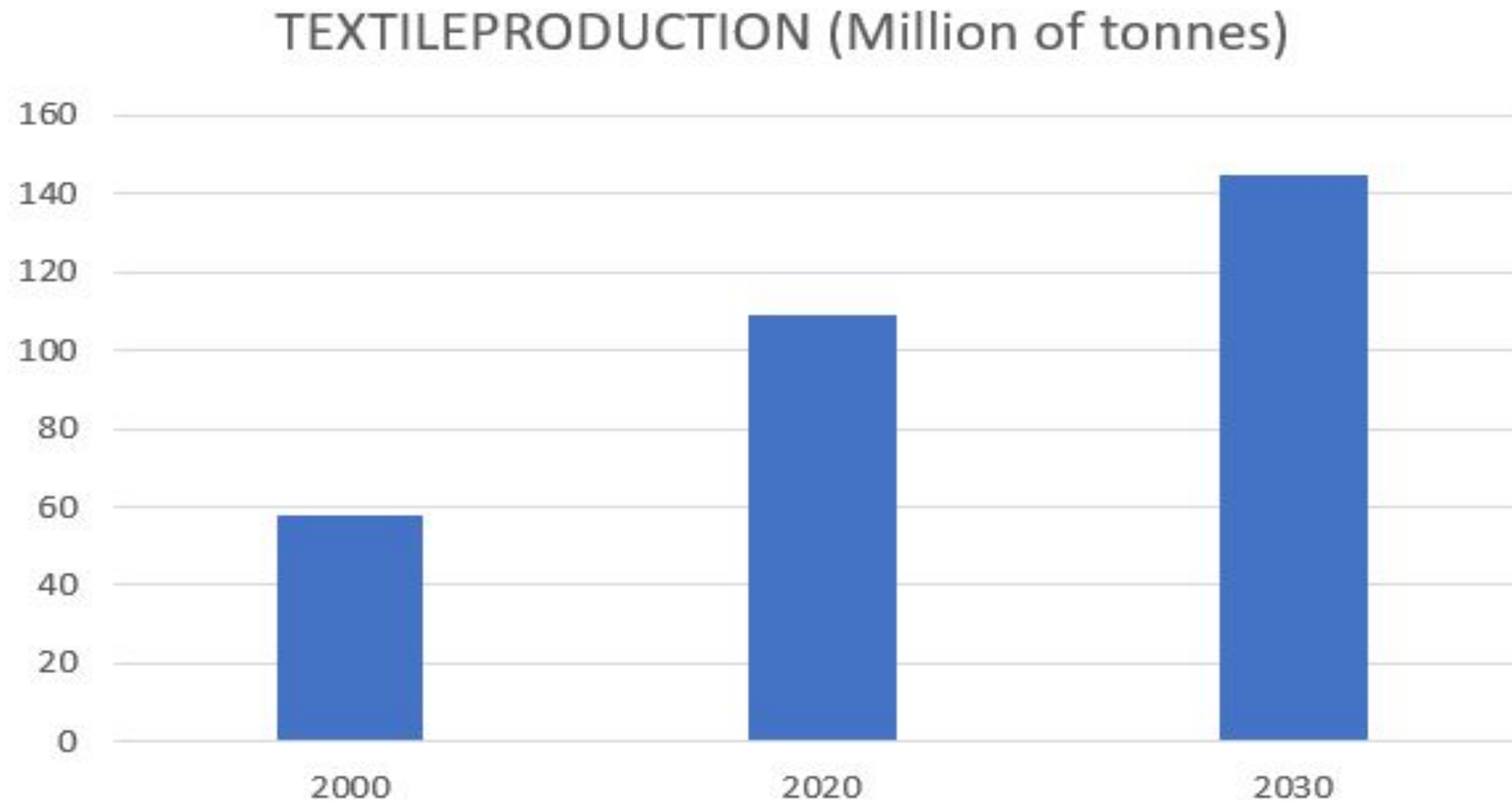
## Fashion



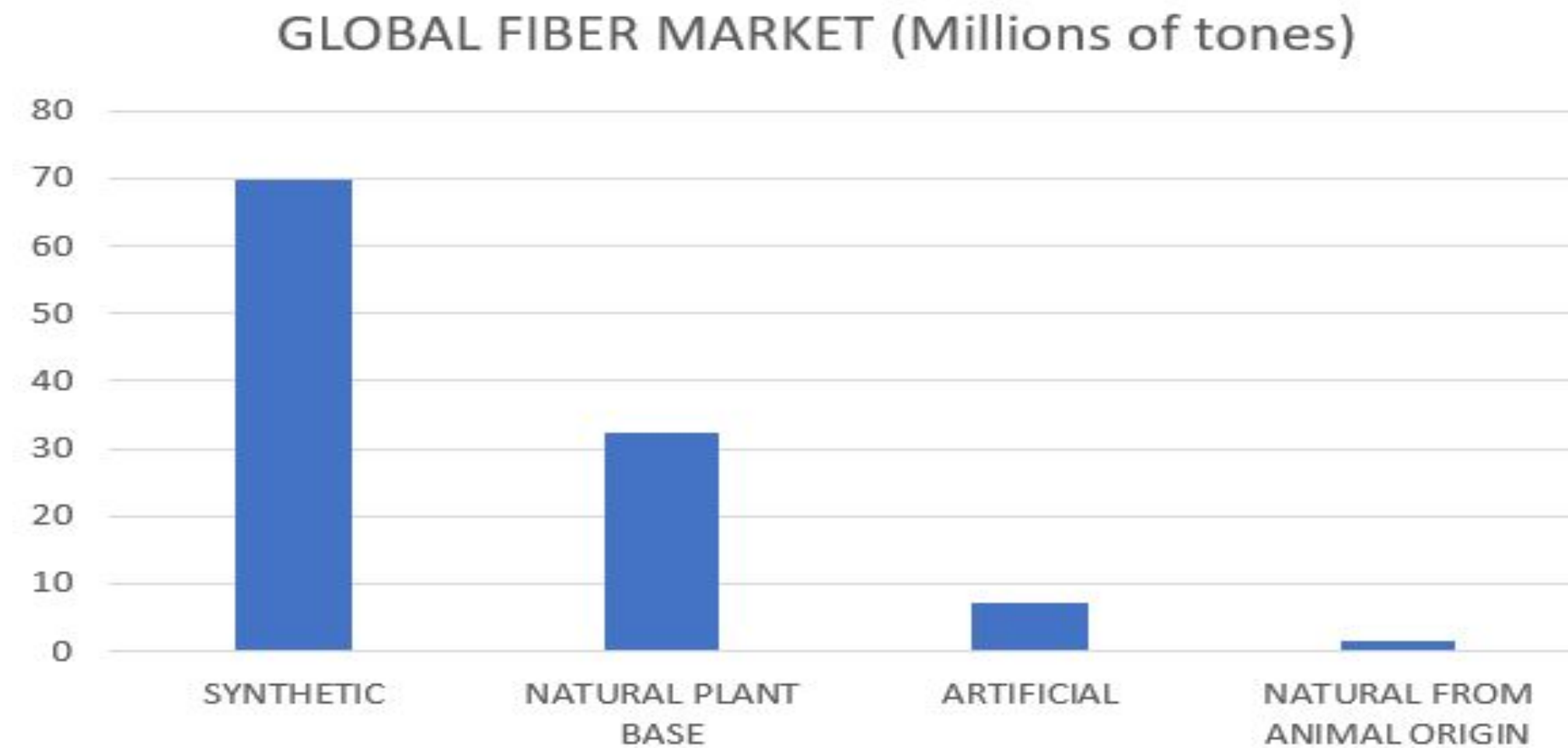
Fashion companies have publicly committed to significantly reducing greenhouse gas emissions.

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



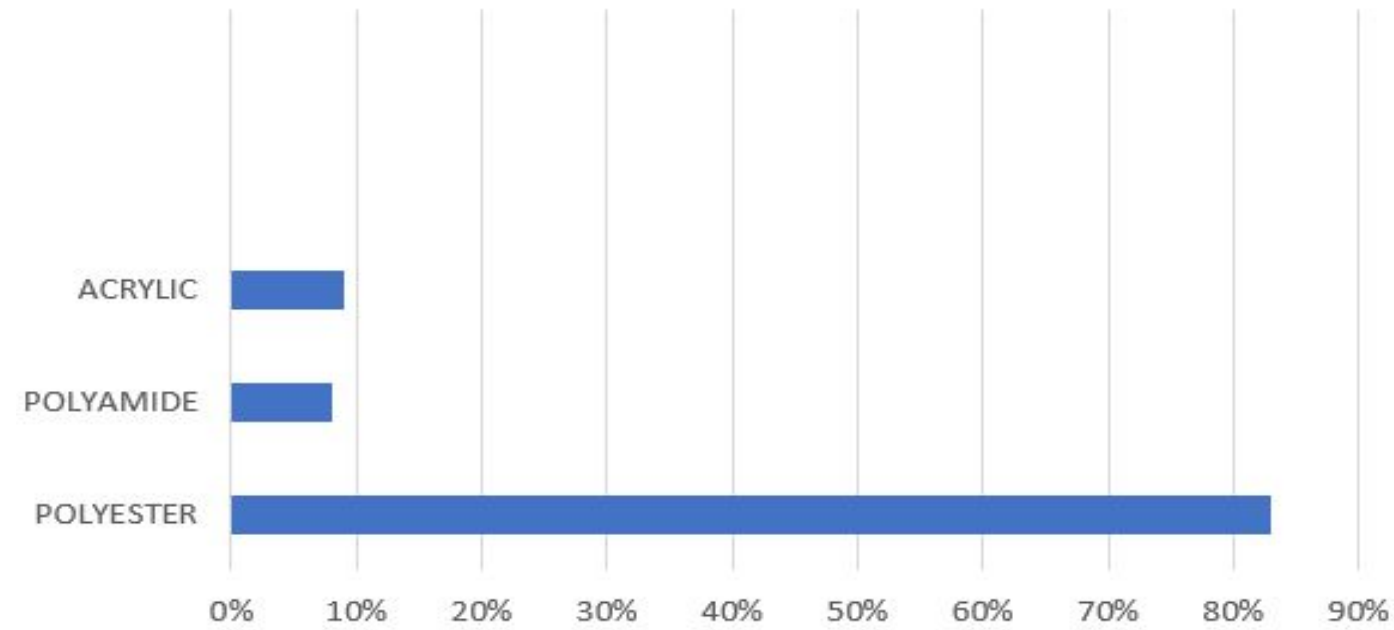
## Overview of fabric typologies



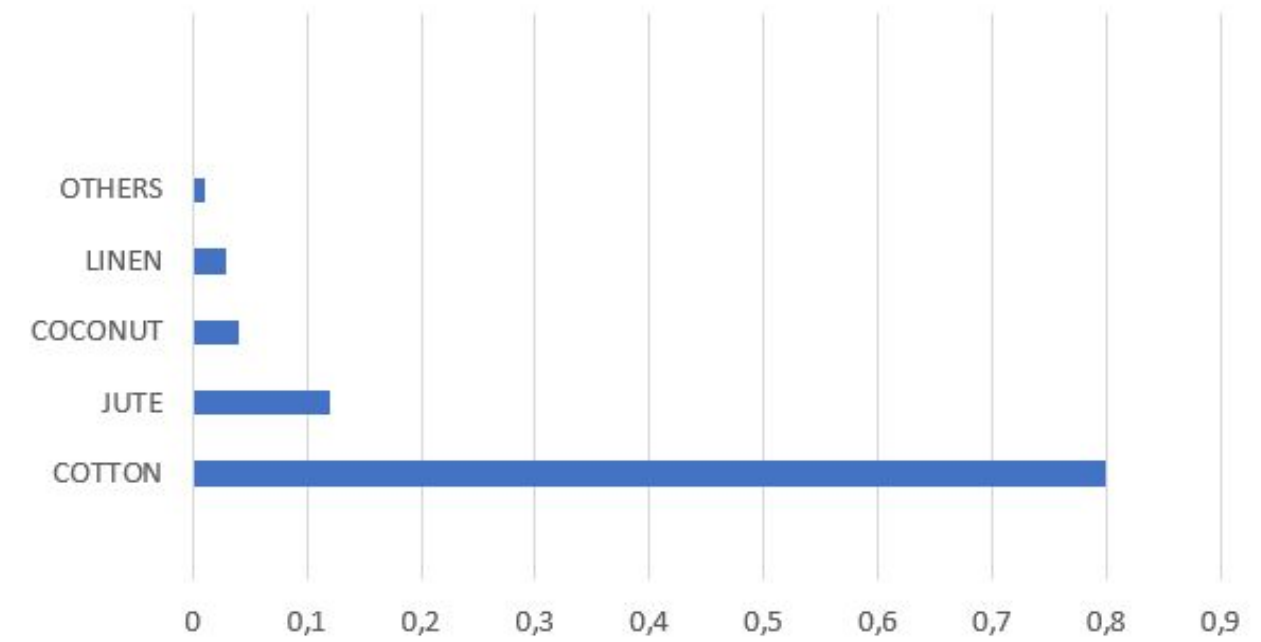
A study from the company PWC shows how in 2019 (and still today) the most used fibers are synthetic ones (69,7 million of tons), followed by natural of vegetal origin (32 million of tons), artificial (7,1 million of tones) and then natural of animal origin (1,5 million of tons)

## Overview of fabric typologies per sub-category

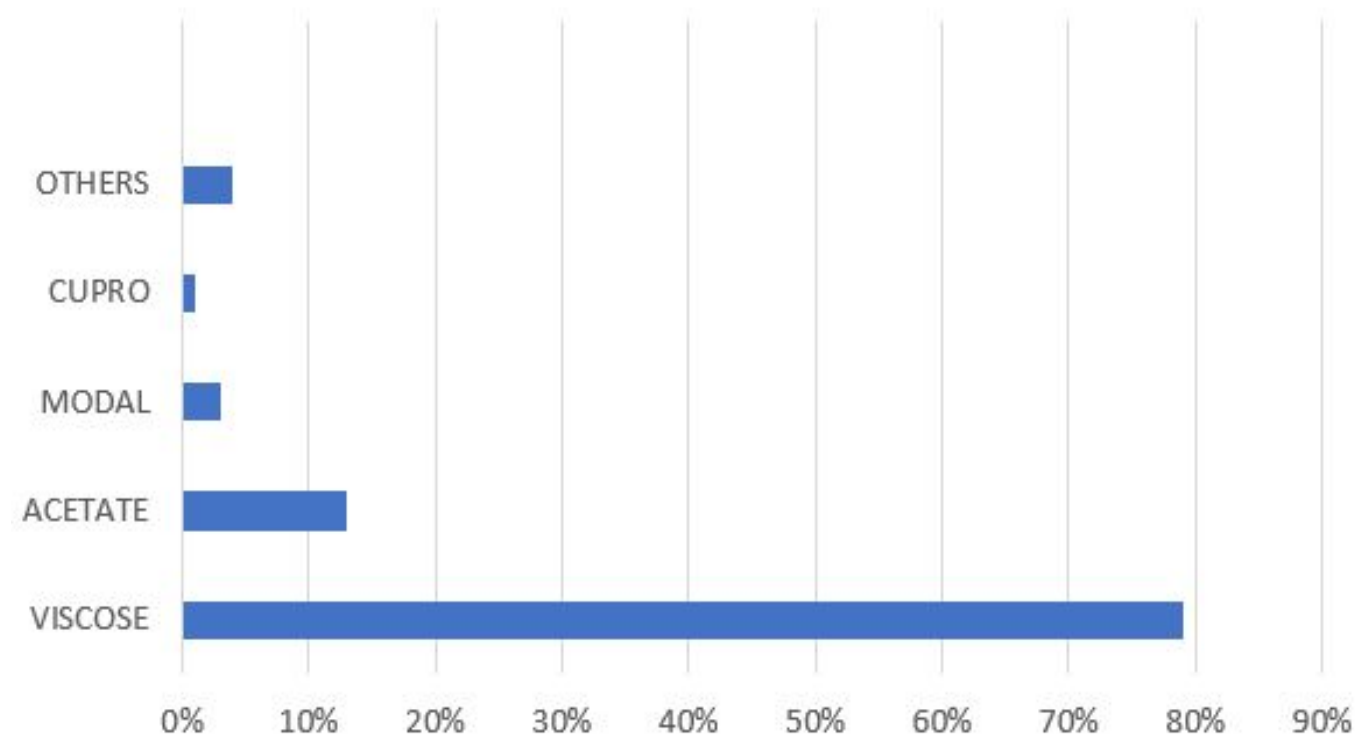
SYNTHETIC FIBERS



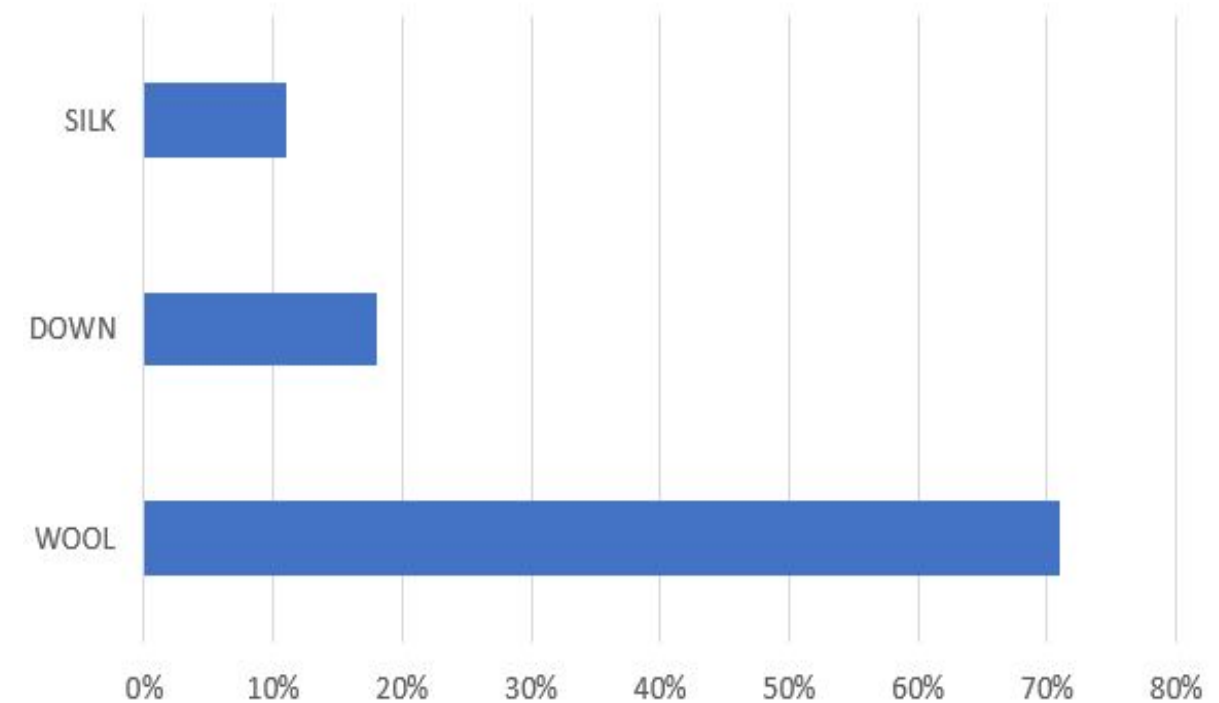
PLANT BASE NATURAL FIBERS



ARTIFICIAL FIBERS

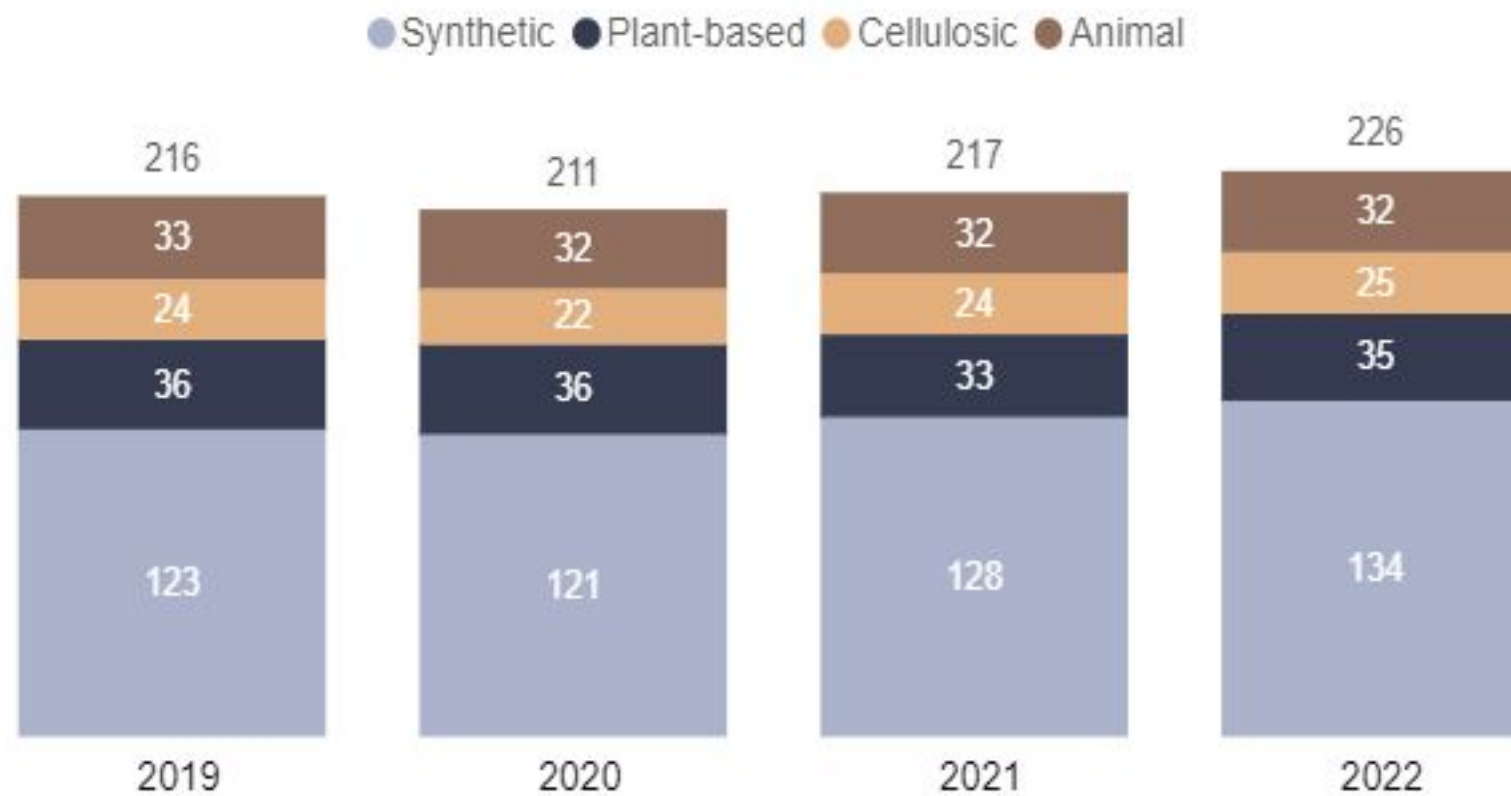


NATURAL FIBERS OF ANIMAL ORIGIN

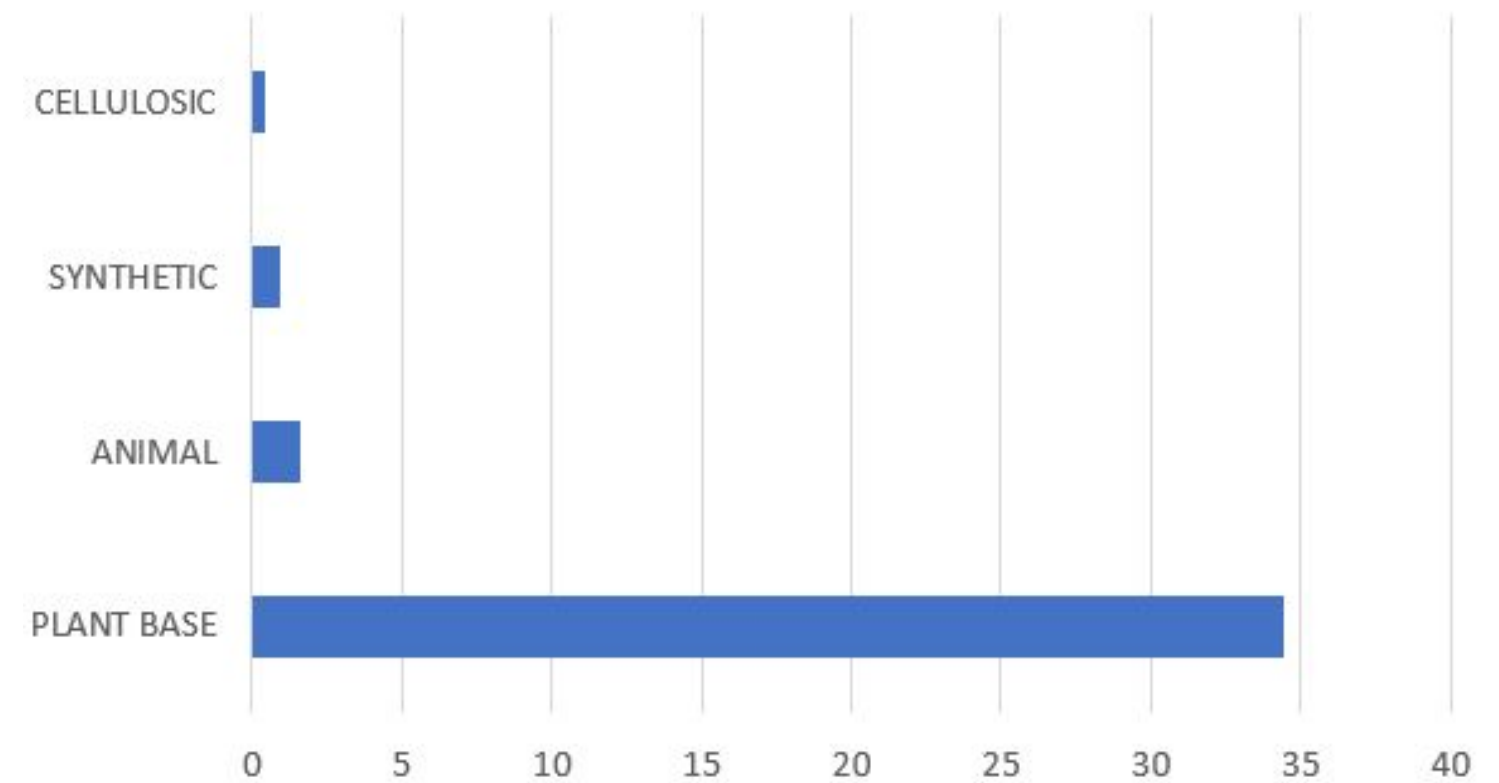


# CO2e impact and water consumption for fabrics production

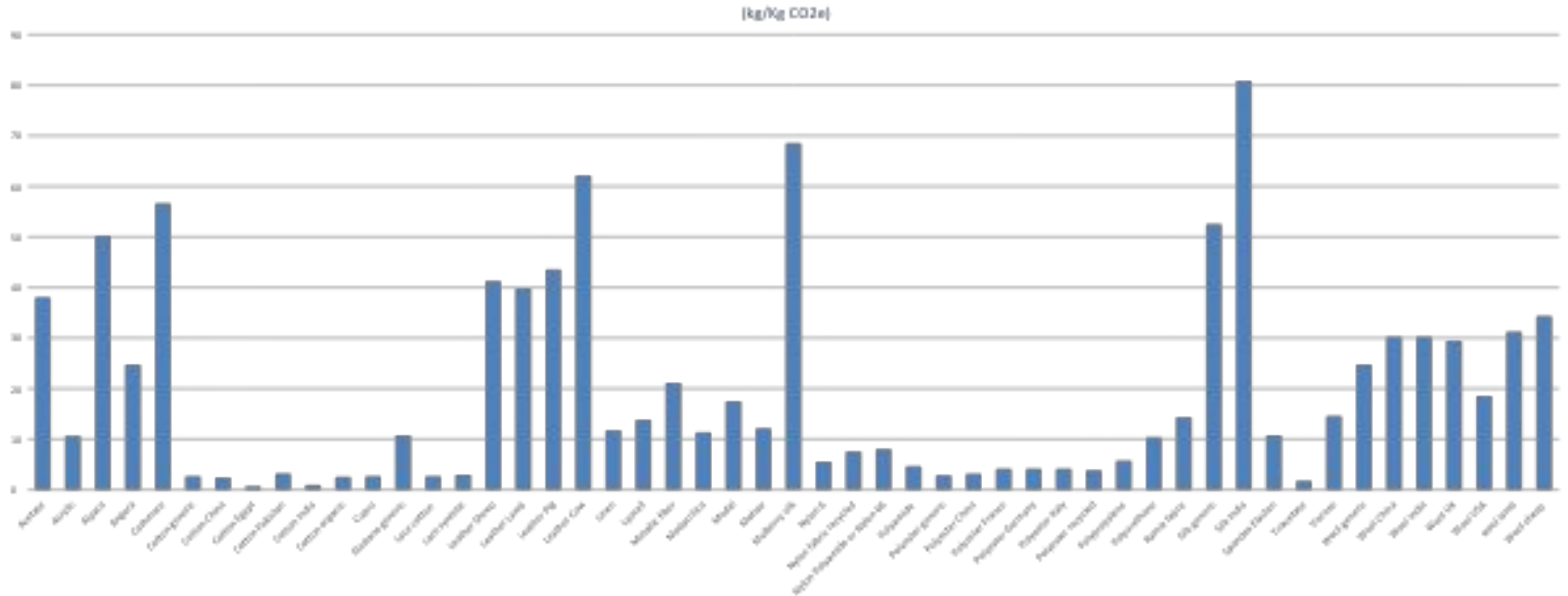
GHG emissions by material category: baseline vs. progress years (million tonnes CO2e)



Water consumption (bn m3)

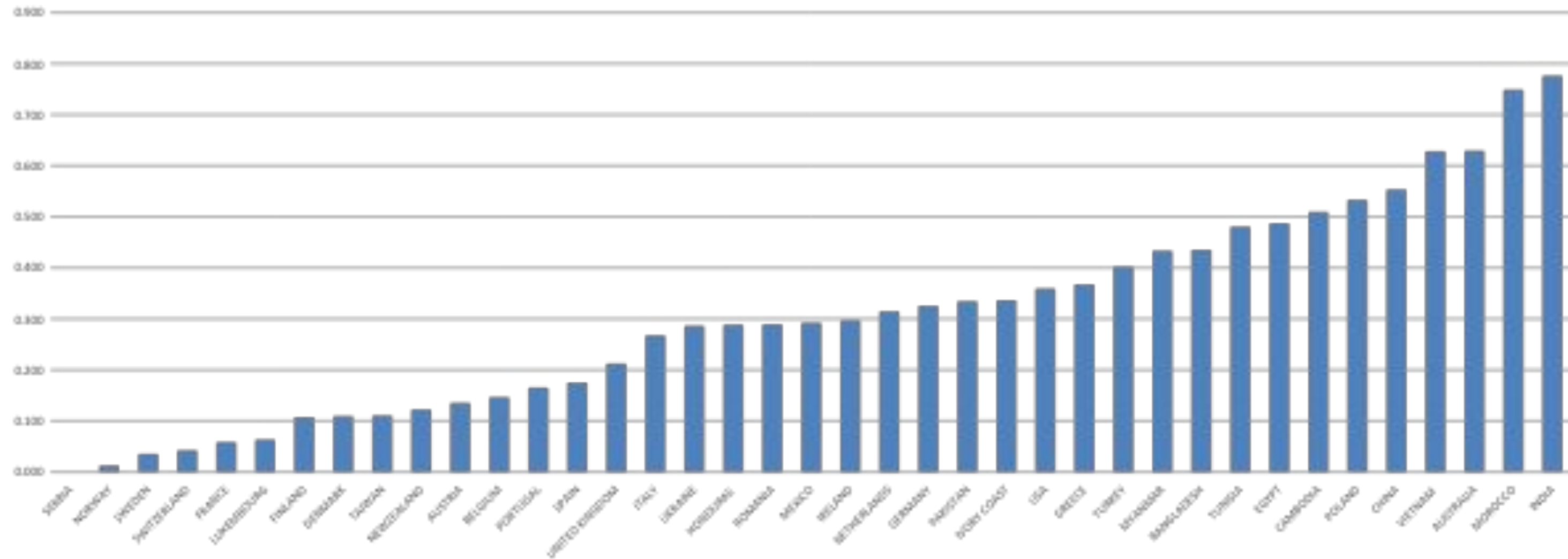


## CO2e impacts per fabric

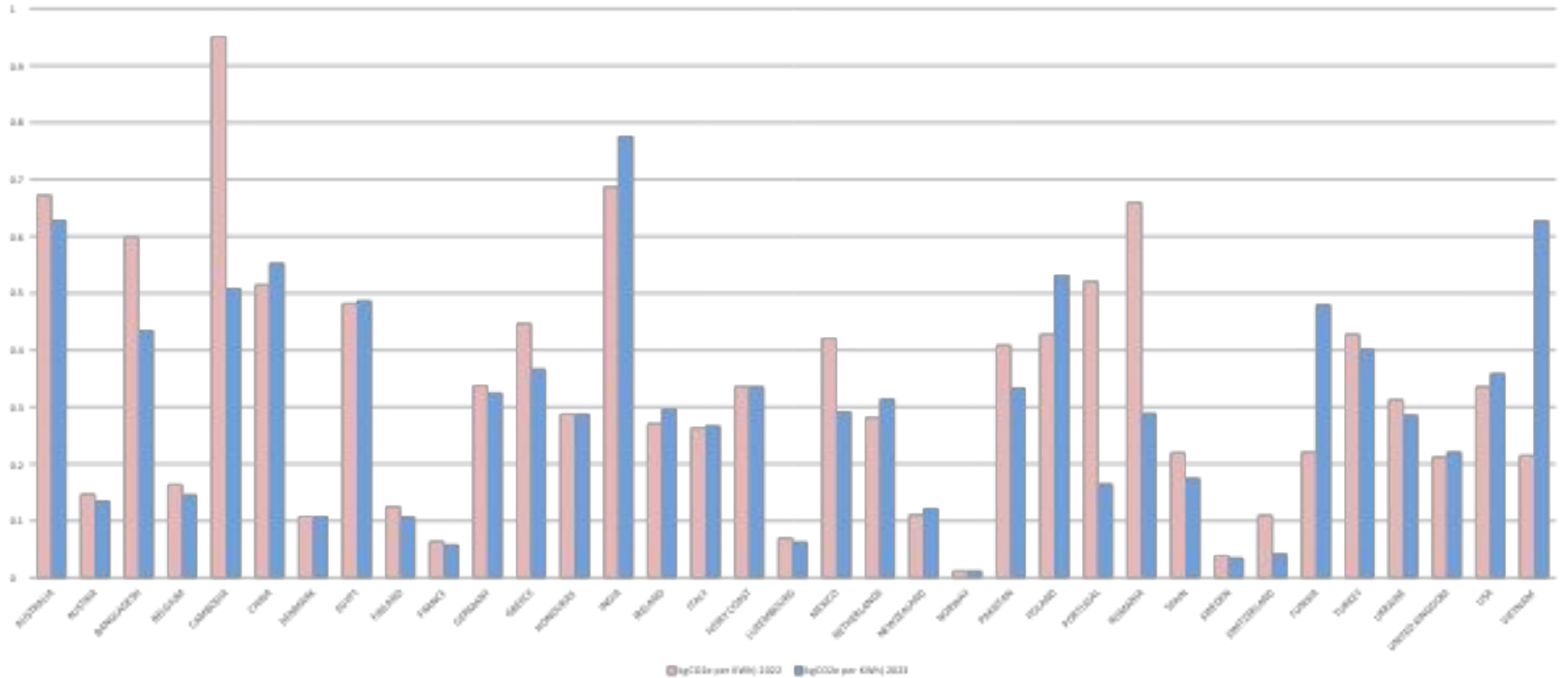


Source: 2023 LCA databases and Studies

## CO2e impacts (energy values) per country of production



## 2023 vs 2022 Energy Values evolution per country





**Edmond Climate**

**Network**

## 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



Edmond Climate

Network

# 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



**Edmond Climate**

**Network**



**A Tool designed by  
Fashion Industry  
Experts for Fashion  
Industry Experts**



**AT SINGLE PRODUCT LEVEL**

#### GENERAL INFO

Gender: **Woman**  
Material: **98% Cotton 2% Elastane**  
Westage %: **5.00%**  
Body Lenght: **Regular 0.70 SQM**  
Fit: **Loose 0.175 SQM**  
Sleeves: **Long 0.31 SQM**  
Neck: **Classic Collar 0.039 SQM**  
EU Size: **L Woman 0.055 SQM**  
Total (SQM): **1.27860 SQM**

#### GARMENT MANUFACTURING

##### Fabric External

Finishing Emissions (CO2e) **91.87g**  
Laundry Emissions (CO2e): **90.50g**  
Washing & Drying Emissions: **85.00g**  
Total (CO2e) **267.37 g**  
Wastage % (CO2e) **6.972 g**

##### Addition Material

Button Plastic Large Size (CO2e) **0.0245g**

##### Transportation

From **Bangladesh** To **China** : **590.53g**

#### FABRIC PRODUCTION

##### Fabric External

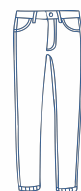
Weaving (CO2e): **140.47g**  
Heat Setting (CO2e ) **0.148g**  
Total (CO2e) **140.62 g**



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## Available Calculators



Denim Jeans



T-shirts



Tops



Skirts



Dress



Shirt



Pants



Sweater



Fleece



Blazer



Outwear



Suits



Handbag



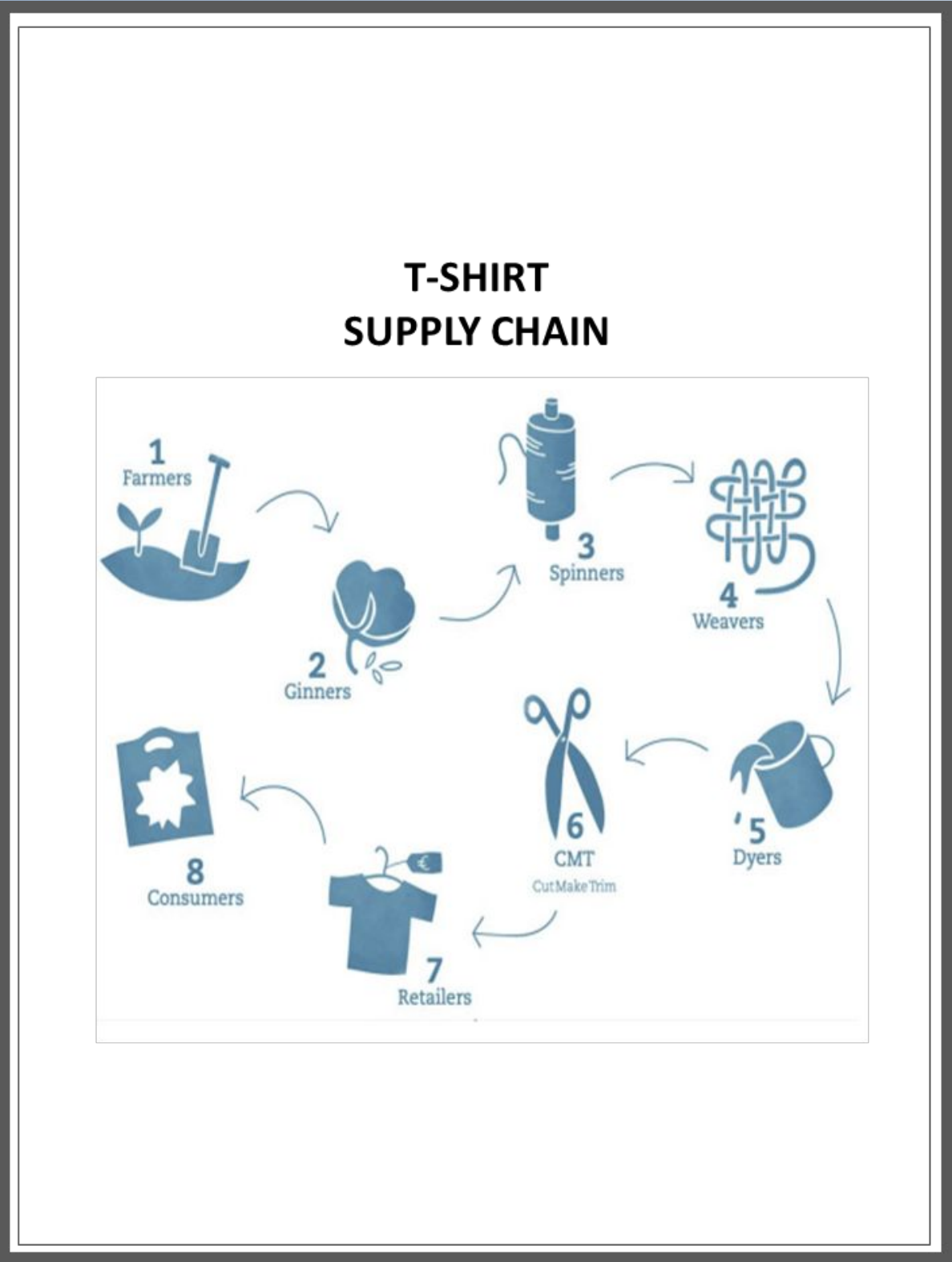
Sneakers

Next available: eyewear

Women Dressy shoes (pump - sandals)

# 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



UNPARALLEDED GRANULARITY



CALCULATOR'S API

Massive data  
upload

BRAND:	STYLE NAME: POLO WITH EMBROIDERED LOGO	PATTERN:	1ST PHOTO
BUYER:	STYLE NUMBER:	SIZE RANGE: S-XL PHOTO SIZE: M	
PRODUCT TECHNICIAN:	SEASON: SS 18	DATE LAST MODIFIED:	
STYLE DETAILS			

PRODUCT DESCRIPTION

JERSEY POLO WITH EMBROIDERED LOGO ON LEFT CHEST/ FABRICATION: SPORT JERSEY/ FIT: MEN'S ATHLETIC

COLORWAY

Please see colorway page for reference!

FRONT VIEW

Label at CB in back neck collar facing seam.

Standing collar with buttoned down placket and 1.5" ribbed top collar

Bottom of sleeve with ribbed cuff finish

Front placket and neck facing in contrasting fabric.

Make button stand with 3 buttons and 2" button spacing. Place one button on the collar stand and 2 on the placket

Embroidered logo on left chest

Composition and care labels to be placed in left side seam 2" above the slit.

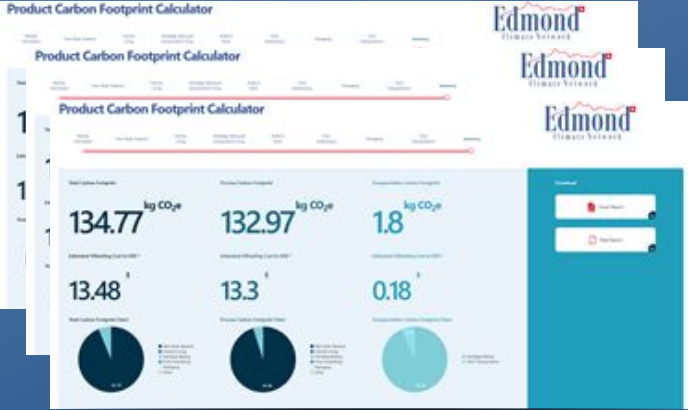
Please make side seam with slits. Please see slit and hem making details in the construction page.

Overlap 3/4" all hem stitching

4 holed buttons-crossstitched

REP*	FABRIC 1	FABRIC 2	ACCESSORIES:	TRIMS:	NOTES:
COMPOSITION*	POLO KNT JERSEY	RB JERSEY	Three 4 holed buttons.		
WEIGHT*	100% cotton				
PLACEMENT*	160 gsm				
THREAD	BODY	TOP COLLAR & SLEEVE CUFFS			
	100 % POLYESTER/ OTM BODY				

Massive data  
download



# Edmond's Product Carbon Footprint

- 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



Edmond's Product

Carbon Footprint

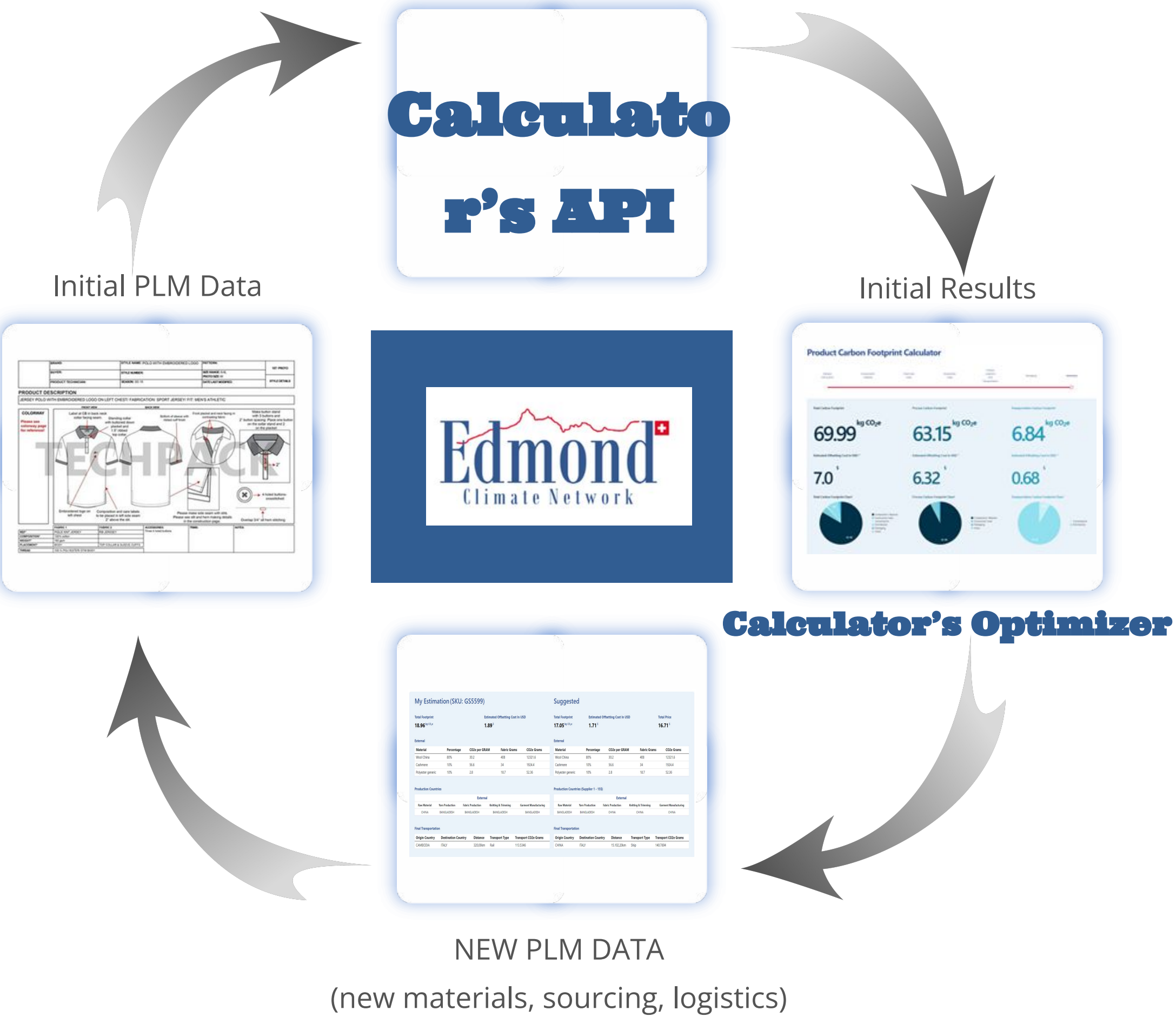
ECO-DESIGNER

- 1

Real time monitoring of Company emissions
- 2

Eco-Design of collection to reduce CO2e footprint
- 3

Product optimizer to reduce Supply Chain costs





Edmond Climate




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# Extract from TÜV 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  
Standards**

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

# 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

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



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



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# Edmond<sup>+</sup>

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**The Upcycling Platform**



The logo for Edmond Climate Network. The word "Edmond" is in a large, dark blue serif font. A red line, resembling a mountain range or a stylized roofline, is drawn over the top of the letters. A small red square with a white cross is positioned to the right of the word. Below "Edmond", the words "Climate Network" are written in a smaller, dark blue serif font.

# Edmond<sup>+</sup>

Climate Network



**Official Supplier of Sustainable Fashion**

