

Perfumery & Beauty

ESG expert investors event 2025
BU deep dive presentation



Perfumery & Beauty

**Beyond wellbeing,
uniting delight and care,
for positive impact.**

Who we are

At P&B we are creators, caretakers, innovators and sustainability champions.

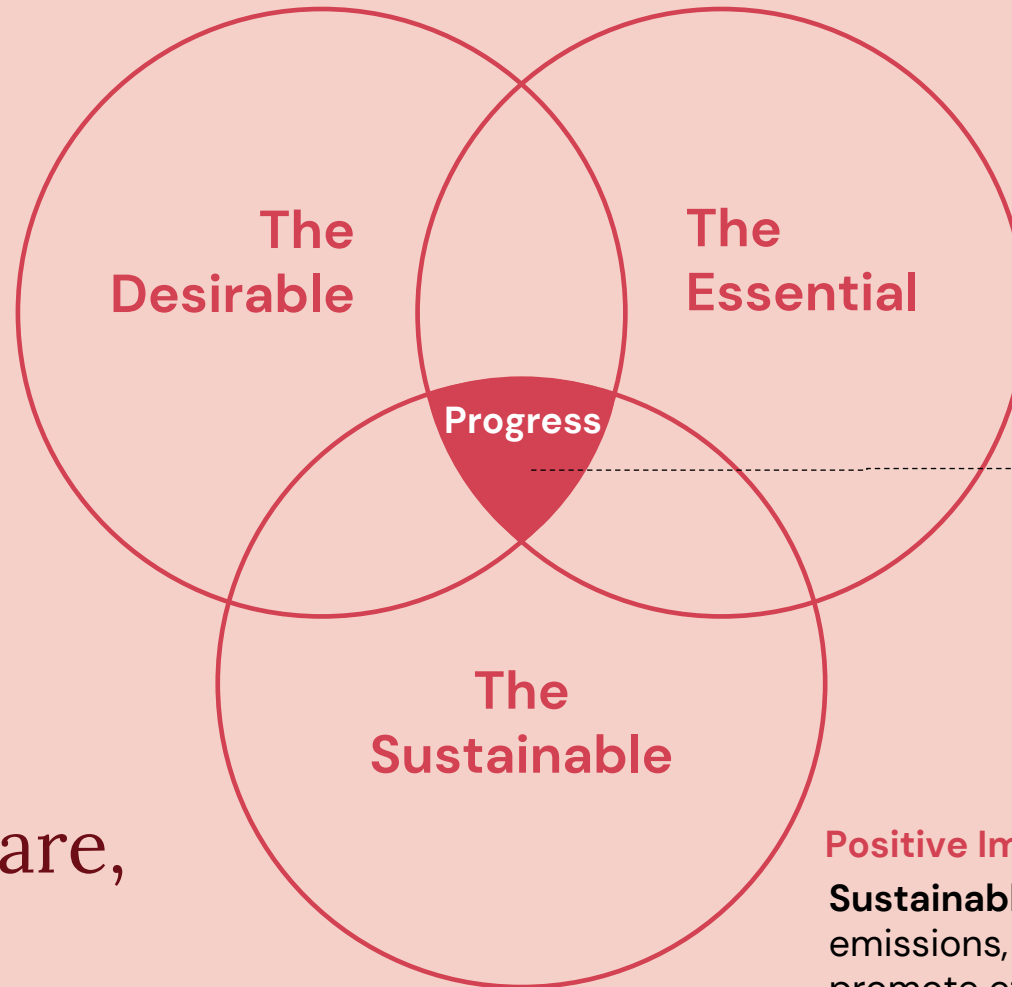
How we contribute to a better world

We promote usage of a wide array of products, that are essential, desirable, and are designed to support a more sustainable world.

Perfumery & Beauty

Creating Consumer Delight
More **desirable** experiences driving preference while enhancing confidence, self-expression and self-esteem

Beyond Wellbeing.
Uniting Delight & Care,
for positive impact



Elevated Moments of Care

Enhanced consumer products **essential** to Hygiene, Care, Emotional Wellbeing and Protection

- EcoScent Compass®
Low Carbon Solutions
Biodegradability
Upcycled Ingredients
Eco-extraction technologies
Biotech
Responsible Sourcing

Positive Impact

Sustainable choices to reduce carbon emissions, respect the planet resources and promote ethical practices throughout our value chain, as well as safeguard biodiversity

Our 2030 targets



Driving positive impact for People and Planet

100% 

Life Cycle Assessment (LCA) & Sustainability data across our portfolio by end of 2025

25% 

Reduction of carbon emissions by 2030¹
Transitioning to renewable ingredients were beneficial

90% 

ultimately biodegradable² by 2030

100% 

of key P&B natural ingredient³ responsibly sourced by 2030

¹ Net Zero 2045 SBTi validated : -42% Scope 1&2;-25% Reduction Scope 3 vs 2021 baseline

² Universe is of washable products, which enter aquatic systems through drainage - Excl. FF, Air Care, Industry

³ 80 natural ingredients central in Perfumery formulae due to frequency of usage, claims and/or risks.

Accelerating towards a Net-Zero future

Market needs for low carbon solutions

Key industry players are setting ambitious Net Zero SBTi targets.

Scope 3 focus with LCA across products full lifecycle.

Climate is global consumers **#2** concern¹.
63% of global consumers plan to prioritize low-carbon products in their future Personal & Home Care choices.¹

Our impact

We have 99% LCA² data coverage of our palette.
We share robust LCA data & expertise to our customers.

We identified key levers & build roadmaps for impact-driven decarbonation strategies.

We design winning low carbon solutions through eco-design & compaction – driving competitiveness & securing new business in evolving market.



²16 PEFCR, based on global PACT/PEF/ TFS methodologies
LCA – Life Cycle Assessment
PEFCR – Product Environmental Footprint Category Rules
PACT – Partnership for Carbon Transparency
PEF – Product Environmental Footprint
TfS – Together for Sustainability



Building a responsible & resilient value chain

Market needs for transparency & long-term value

On average in our industry, ~60% of a company impact on climate, nature, and people comes from supply chains¹.

Beyond compliance, responsible sourcing is about accountability. Real impact comes from collective action.

86% global consumers think companies have an obligation to assure they have a positive impact on society, people, and biodiversity².

Our impact

We partner for progress on Human Rights & Scope 3 through supplier performance, due diligence, and certification, driving transparency, and resilience.

We root impact in every step with tailored Project at Source programs to drive and scale meaningful impact together with our customers.

We craft conscious solutions with responsibly sourced natural ingredients, securing exclusive wins.



Foster responsible value chain



Safeguard nature and biodiversity



Design sustainable products



Future-proofing our palette

Market needs for safe & sustainable products

Fast-changing regulatory landscape requires proactive, science-based solutions.

Industry is facing increasing pressure on ingredient classification, with a shift towards group-based approaches & stricter safety standards.

Global consumers increasingly demand more transparency and sustainable solutions!

Our impact

We curate our palette to meet today's regulatory and sustainability standards whilst anticipating tomorrows.

We advocate and partner on industry initiatives driving scientific principles & pragmatic regulation implementation.

We develop innovative future-proof ingredients with a focus on low-carbon & biodegradability, securing our customers' legacy & future portfolios.



Accelerate climate action



Safeguard nature and biodiversity



Conserve our planet's resources



Design sustainable products



Advancing circularity through upcycling

Market needs for circular solutions

Overconsumption & waste production has a harmful impact on our planet.

Upcycling: Turning waste into high-value ingredients.

A circular solution: Reducing Carbon emissions, Waste & pressure on natural resources.

At least **54%** global consumers would like fragrances using upcycled ingredients.¹

Our impact

We continuously expand our palette of upcycled ingredients – over 130 across all olfactive families, driving sustainable innovation.

We push the boundaries of conscious creation, with a unique “circular collection” of fragrances, 100% made with upcycled ingredients.

We elevate upcycling in winning fragrance creation using EcoScent Compass® eco-fragrance design tool, delivering delightful and sustainable fragrances to customers.



Accelerate climate action



Conserve our planet's resources



Design sustainable products



Innovating with biotech ingredients

Market needs for future-proof biotech ingredients

Global resource pressures demand sustainable alternatives to naturals and petro-based chemicals.

Biotech is the most sustainable & clean process, ensuring safety, traceability, consistent quality, supply & performance.

Consumers' growing interest in biotech ingredients is driven by awareness of their sustainable & functional benefits.

Our impact

We launched the industry's first biotech ingredient, and drive cutting-edge innovation to deliver high-performance, sustainable solutions that meet market demand.

We optimize the carbon footprint of our ingredients through biotech process, enhancing sustainability and operational efficiency.

We open new paths for sustainable creations with biotech ingredients, providing customers with eco-friendly, innovative solutions.



Accelerate climate action



Safeguard nature and biodiversity



Design sustainable products



Driving eco-design & transparency. EcoScent Compass® eco-fragrance design tool

Science-based eco-fragrance design tool empowering perfumers to create sustainable fragrances meeting global regulatory & sustainability standards.

It delivers impact-proof data for consumer-ready verifiable claims, and ingredients insights to support educational and engaging sustainable narratives.



Robust LCA & sustainability data back Integration

- Collecting data since 2010
- LCA data on 16 PEFCR for all ingredient
- Based on global standards & PACT / PEF Methodology

Measure & improve eco-fragrance design

- Digitally integrated in Perfumers' Creation Station
- Ingredients switch features
- Supports sustainable impact of new creation & optimization of existing portfolio

Transparency & measured impact

- Consumer-friendly B2B2C approach for Informed Choices
- Delivers impact-proof data 45 fragrance & 20 ingredient claims
- Hero ingredient information to support narrative

SUNSCREEN OPTIMIZER™

Environmentally conscious claim substantiation for UV filters

Market needs for Suncare

Growing awareness of skin protection and rising concerns about skin cancer are driving demand for effective UV solutions.

Consumers are increasingly seeking sunscreens that are both safe and environmentally friendly.

Stricter regulations on UV filters and sustainability require to innovate with safer, high-performance formulations.

Our impact

The SUNSCREEN OPTIMIZER™ is a science-based tool developed by dsm-firmenich to enable formulators design better sunscreen formulations.

The tool provides an initial in silico prediction of UVB/UVA performance to guide formulation optimization.

Its Eco Score methodology evaluates UV filter environmental impact using the latest PBTM assessment.*



Design sustainable products



Safeguard nature and biodiversity



Fuel healthy lives

Region	Target SPF	Value
Europe	50	1
Add filter		
DBT (10.0%)		1.5
EHT (5.0%)		3.5
PBSA (8.0%)		1
BMDBM (5.0%)		4.7
BEMT (10.0%)		3.3
Add parameter		
Measured SPF		50
Add parameter		
Total (%)		14.0
SPF Rating (EU)		50
UVA-PF/SPF (EU)		0.35
CW (ISO)		379
1. Weighted Sum		4.76
Eco Class		A



dsm-firmenich

SYN®-COLL CB

Next generation peptide,
eco-conscious & high performing

Market needs for future-proof biotech ingredients

Consumers seek natural and highly effective solutions to maintain youthful, healthy skin.

Growing demand for science-backed ingredients that target the root causes of aging.

Our impact

SYN®-COLL CB mimics the skin's own mechanism to produce and protect Collagen, slowing-down the aging process from within.

Natural-origin peptide, suitable for clean-Behave with more than 99% naturality according to ISO 16128.

High efficiency allowing a low carbon footprint in use¹. Optimized synthesis.



Design sustainable products



Nurture wellbeing



Safeguard nature and biodiversity



Visibly firmer,
smoother, more
sculpted skin

ETERWELL™ HAIR

Hair longevity empowered by senolytic science

Market needs for future-proof biotech ingredients

Consumers seek skincare-inspired haircare, driving the skinification trend with advanced ingredients and routines for scalp and hair health.

Rising demand for cutting-edge technologies that combat hair aging at the cellular level, preserving strength, density, and vitality.

Our impact

Aligned with the Union Ethical BioTrade Regenerative Farming practices.

Low carbon footprint (<3 kg CO₂eq/kg), application of green chemistry principles, gentle organic ethanol extraction.



Nurture wellbeing



Foster a responsible value chain



Safeguard nature and biodiversity



Committed to transparency with our Imp'Act Card™

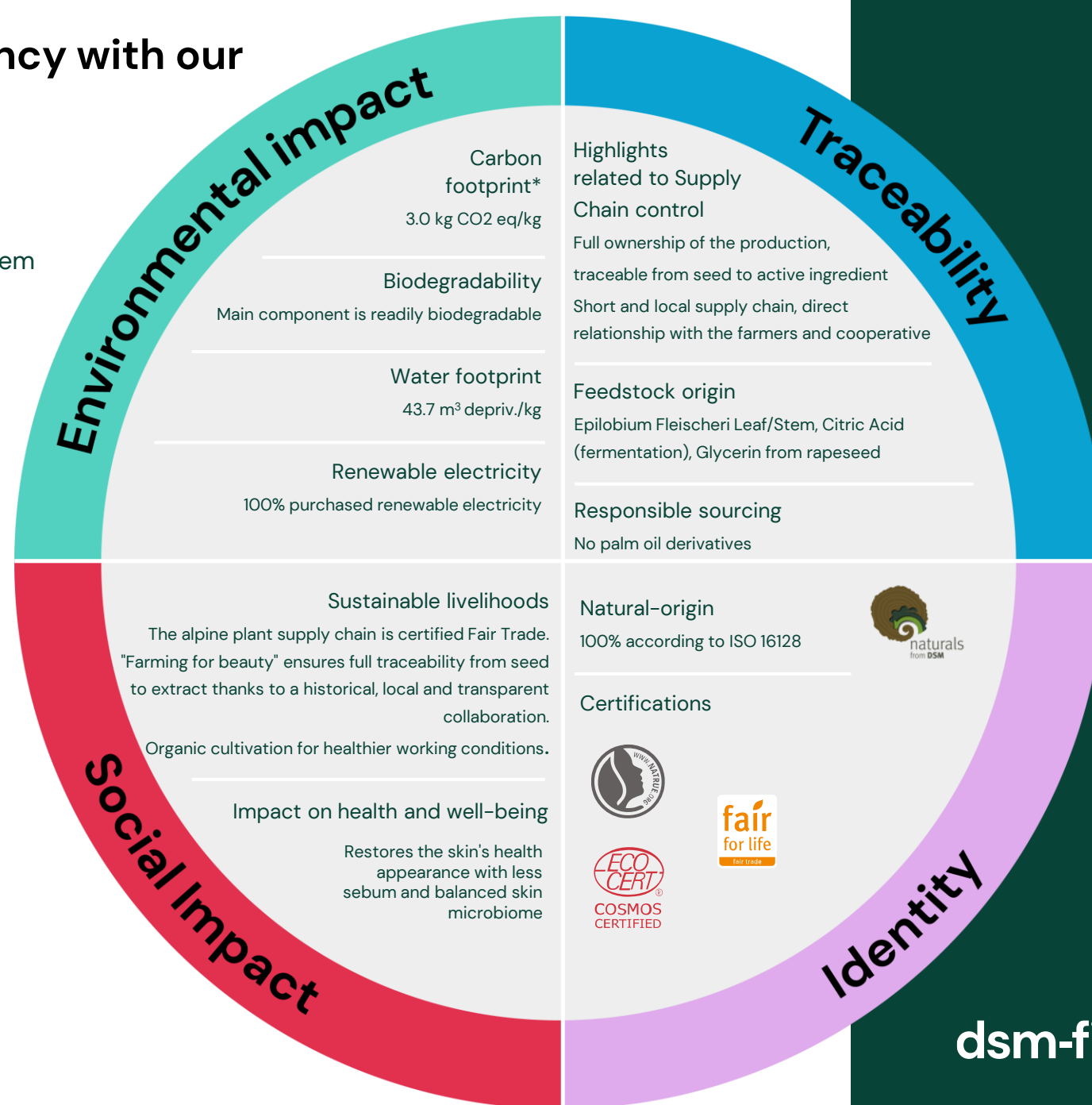
ETERWELL™ YOUTH

INCI name: Epilobium Fleischeri Leaf/Stem Extract, Glycerin, Aqua, Citric acid
Product Code: 5017810

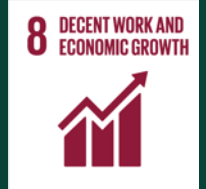
FAIR TRADE CERTIFIED

A unique approach in Europe, illustrating an historical and transparent collaboration along the value chain (Farming for Beauty Program)

The carbon and water footprint calculations are based on internally conducted LCA according to ISO 14040/44 guidelines, DSM LCA policy and validated by an internal reviewer.



Aligned with and contributing to the



We bring progress to life