

# THE SDGS – GOALS TOWARD SUSTAINABILITY, HEALTH AND WELLBEING

DSM Personal Care



NEW YORK  
Society of Cosmetic  
CHEMISTS





Personal Care & Aroma

Bioactives

Technical & Performance Ingredients

UV Filters

Aroma Ingredients





# The SDGs – Goals Toward Sustainability, Health and Wellbeing

## *Agenda*

- Sustainability and Consumers
- Sustainable Development Goals
- Sustainability Targets and ESG Ratings
- Quali® Vitamins
- UV Filter Eco-Profiler
- Safer UNDER THE Sun
- Sustainability Imp'Act™ Card
- Conclusion





# Changing Attitudes Toward Sustainability

**66%** of **Millennials** and  
more than **70%** of **Gen-Z**  
consumers say they want to lead  
healthier, more environmentally  
friendly lifestyles

Sources: The Sustainability Institute, First Insight



**67%**  
of **Millennials** prefer to buy from sustainable brands



# Consumer Thoughts on Sustainability

expect brands disposable  
sun care products destroying  
cosmetic natural animals  
grown skincare lot stuff  
skin care cosmetic products  
environment good  
sun care things  
hairecare recyclable future protect  
buying harmful materials  
chemicals hair made skin expensive  
items hair care people  
products free moisturized  
brands expect earth cruel  
ingredients hair care  
make packaging important  
sourced care products personal care brands  
shampoo manufacturers

DSM Consumer  
Insights Hub





# Sustainability in Personal Care

## *Growth in sustainable product launches*



Source: Mintel



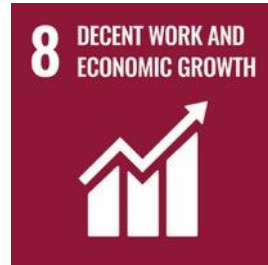
# Sustainable Development Goals (SDGs)

*The blueprint to achieve a better and more sustainable future for all*

## Nutrition & Health



## Climate & Energy



## Resources & Circularity



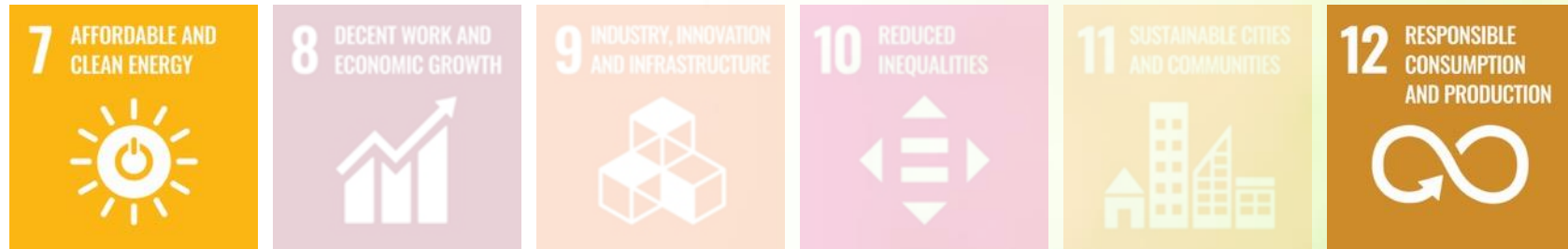
# Sustainable Development Goals (SDGs)

*DSM contributes to the United Nations' Sustainable Development Goals (SDGs) and decided to focus on 5 challenges*

## Nutrition & Health



## Climate & Energy



## Resources & Circularity





# Taking full responsibility for our own footprint and people

## ESG targets (set in 2019) accelerated in 2021 and again in 2022

**GHG emissions  
reduction 50%  
by 2030**

**Energy efficiency  
>1% avg. p/yr.  
until 2030**

**Purchased  
renewable electricity  
75% by 2030**

**Employee  
engagement  
>76% by 2022**

**Safety Frequency  
Recordable Incidents  
<0.20 by 2027**

**Female executives  
30% by 2025**

## DSM top ranked in leading ESG-ratings



CLIMATE WATER



**Sedex** Member



Sector Leader

MOODY'S | ESG

Top ranking





# Science Based Targets

**Net-Zero**

GHG by 2050

**50%**

Scope 1&2  
absolute emissions  
reduction from  
operations by  
2030 vs 2016

**28%**

Scope 3  
absolute emissions  
reduction by  
2030 vs 2016



SCIENCE  
BASED  
TARGETS

DRIVING AMBITIOUS CORPORATE CLIMATE ACTION





# Sustainability

## *Areas of focus*

### Demand for Sustainable Packaging

- Less packaging
- Recyclable packaging
- Reusable packaging
- “Zero Waste”
- “Zero Plastic”
- RFID technology for tracking package sterilization
- Sourcing of packaging

### Demand for Ingredient Transparency

- All-natural ingredients
- Ethical sourcing
- Sustainable manufacturing practices (renewable energy, low-waste methods)
- Recognizable ingredients (Vitamins, Superfruits, etc.)
- No harsh chemical ingredients
- Products that use less or no water
- Tracing of batches



# The Environment and Personal Care in 2022



**55%** of US consumers say that they expect brands to be a force of positive change



# Top Skin Care Questions

## *Consumer Interest in skincare*

Google Trends *Year in Search 2021*

- What skincare products do not mix?
- What does **Niacinamide** do?
- What is slugging in skincare?
- What order to put on skincare?
- What ingredients to avoid in skincare?
- When to use **Vitamin C** in skincare routine?
- What does **Vitamin C** do for your skin?
- When to use oil in skincare routine?
- How to add **Retinol** to skincare routine?
- When to apply BHA in skincare routine?

Source: Google Trends

**Vitamin C, Niacinamide and Retinol** are routinely highlighted as hero ingredients

Consumer searches are focused on complete skincare regimens, not just one ingredient or product



# Creating safer, fully traceable, more reliable vitamins

## Our promise Quali-Vitamins

*Today, we are adding value to our DSM trusted heritage in vitamins*

### Quality

Quality is the cornerstone of our vitamins. You can trust DSM to bring you products that are consistent in quality and high in purity.

### Reliability

Our Quali® vitamins are reliable, meaning they will consistently deliver on their intended use — whether it is your skin cream, the milk you pack in your child's lunch or the daily supplement you take to help ensure optimal nutrition.

### Traceability

Our ability to track and verify the quality of our products throughout their life cycle is what makes traceability essential to clean beauty.

### Sustainability

Quality extends beyond products and services and includes our commitment to the environment, which we show by reducing the environmental impact of our activities while simultaneously optimizing land and resource use.

**Our vitamins are of the highest quality, totally reliable, fully traceable and also have minimum impact on the planet.**



# DSM Quali® Vitamin E Manufacturing Site

## *Sisseln, Switzerland - renewable electricity and green energy*

- Largest vitamin E production site in the world
- One of Switzerland's largest **biomass power plants**
- Steam is produced by the wood-fired power plant
- Produces 267 GWh of steam and 42 GWh of renewable electricity per year
- Supplies 17,500 local households (fed into the public grid)
- Reduction in **CO2** emissions of **50,000 tonnes**.



# 50%

Emissions  
reduction from  
operations


In absolute terms  
by 2030 vs. 2016



# VITAMIN E: making environmental impact tangible



Enter the order amount (metric tons) of Quali-E you buy from DSM:




ORDER SIZE (METRIC TON)  

Calculate

The lower carbon footprint translates to a saving of:


Tons of CO<sub>2</sub><sup>2</sup>:

Did you know that this saving is equivalent to the entire carbon sequestered by:



Tree seedlings grown for 10 years:

Order a sample >

Customers who buy **Quali-E** can evaluate the environmental impact by themselves, using our calculator 

2: vs carbide and coal-based production



# DSM Quali<sup>®</sup> C Manufacturing Site

## *Dalry, Scotland: reducing the impact of the Vitamin C (ascorbic acid) production process*

The site produces all of its own steam and electricity for its manufacturing processes. Dalry also exports electricity to the national grid, enough to power 30,000 homes



Dalry won the CEFIC European Responsible Care Environment Award in 2015



# DSM'S QUALI<sup>®</sup> C – The lowest carbon footprint for Vitamin C

*Ascorbic Acid, Dalry site*

## Lowest CO<sub>2</sub>

Compared to  
main alternative  
sources:<sup>1</sup>



**59%**  
lower greenhouse  
gas emissions<sup>2</sup>

Buying  
**1,000 TONNES**  
of Quali<sup>®</sup>-C

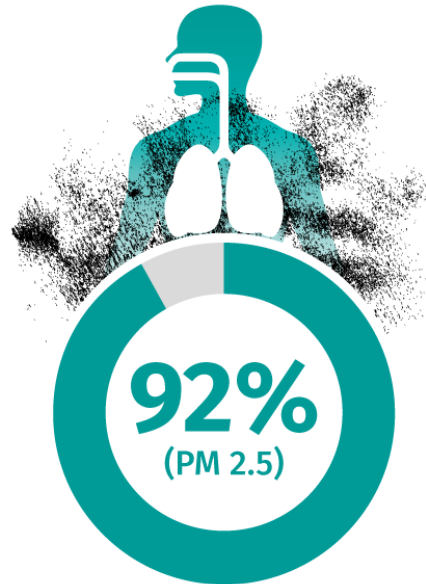
**WOULD SAVE**

**14,000 TONNES<sup>3</sup>**  
**CO<sub>2</sub> EQ.**



Equivalent to entire carbon  
sequestered by **210,000 TREE SEEDLINGS**  
grown for 10 years<sup>4</sup>

## Better Air Quality



Reduction in  
dust and particle  
matter<sup>2</sup>



Reduction in photo-  
chemical ozone formation<sup>2</sup>  
(summer smog)

1. Amount of greenhouse gases in CO<sub>2</sub>-equivalents released into the atmosphere as a result of an activity. 2. This statement is based on a DSM internal Life Cycle Assessment that was independently verified by Pré Consultants in December 2018, and updated in May 2019.

3. This statement is based on DSM internal business intelligence using latest market insights, permits and other publications. 4. Versus main alternative sources.

5. As per Greenhouse Gas Equivalencies Calculator developed by United States Environmental Protection Agency: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>.



# Conscious Beauty Trend

*Rise of cleaner, safer & more sustainable solutions*

**Environmental, health and societal concerns all play a growing role in the purchasing decisions of consumers.**

**Consumers are actively looking for more sustainable sunscreens**



# DSM Sunscreen Optimizer™

## *Evaluating a new formulation*

- A unique tool that balances Performance (SPF) vs Cost vs Sensory (oil load) vs Eco-Impact, enabling side-by-side comparisons across different formulations
- Eco-Toxicological Evaluation
  - PBT approach: Persistence, Bioaccumulation, and Toxicity

P

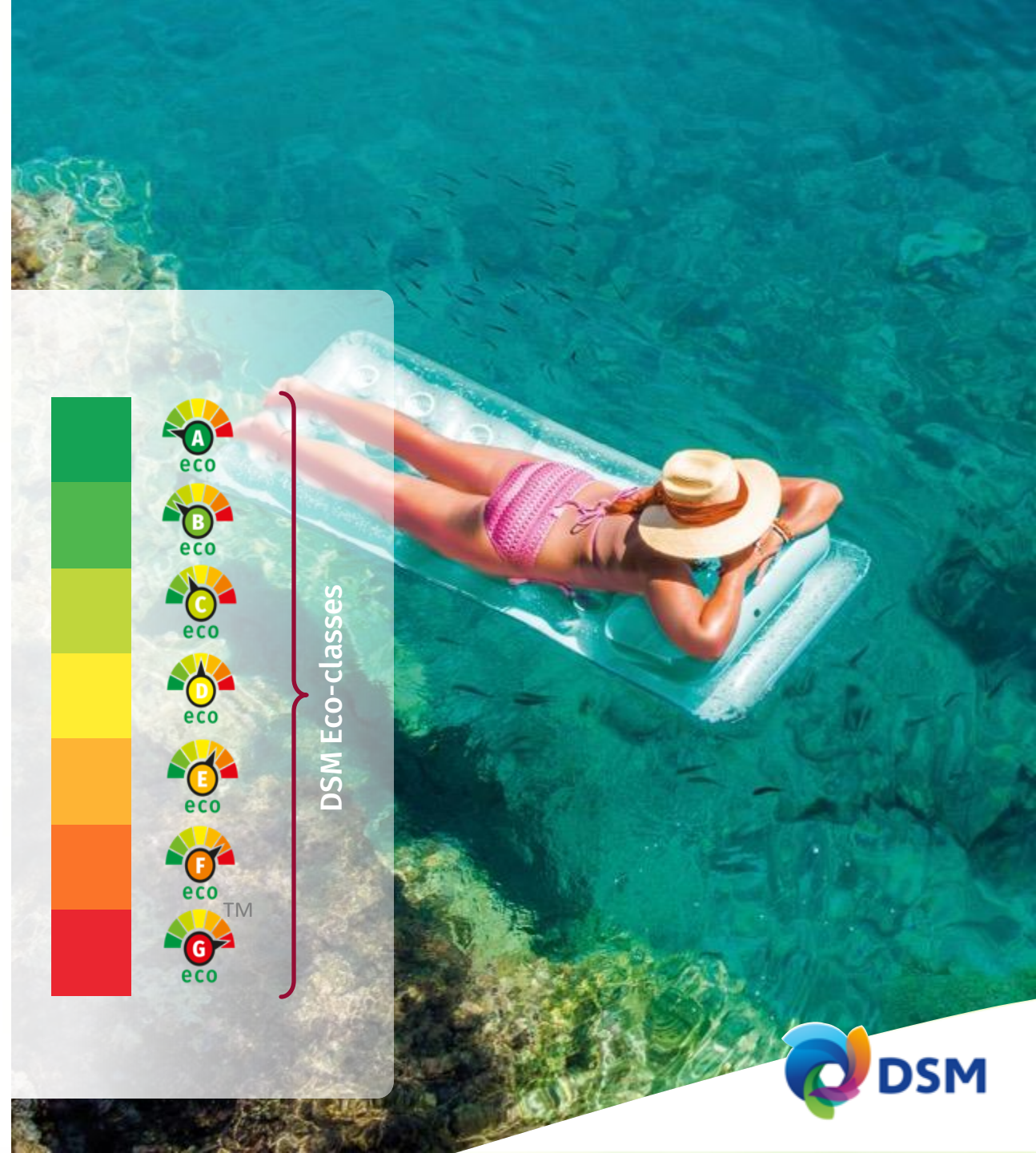
Biodegradation:  
max 20

B

Bioaccumulation:  
max 20

T

Tox-Tests:  
max 60





# Maintaining Healthy Skin

*A key consumer concern*



3 GOOD HEALTH  
AND WELL-BEING



**65%** of beauty consumers link  
the Beauty and Wellness  
categories together



# Safer UNDER THE Sun

D

**DSM is a proud 2022 sponsor of Destination Healthy Skin, The Skin Cancer Foundation's mobile screening and education program.**

The Destination Healthy Skin RV, equipped with two private exam rooms, travels around the country from May to September, spending two days in each community it visits. Local volunteer dermatologists provide free full-body skin cancer screenings on board the RV. Participants receive skin cancer prevention and early detection literature.



## Since its launch, the program has:

- Provided more than **25,000 free skin cancer screenings**
- **Identified >10,000 potential skin cancers** and precancers, including **450 suspected melanomas**
- Distributed **free skin cancer educational materials** and **sun protection** products to tens of thousands of people

Learn more about volunteer benefits at  
[DestinationHealthySkin.org/volunteer](https://DestinationHealthySkin.org/volunteer)



Brands are looking for transparent product information and a reliable measurement of the sustainability of ingredients

The Imp'Act Card™ is organized around the four pillars of sustainability: environmental impact, social impact, traceability and identity.

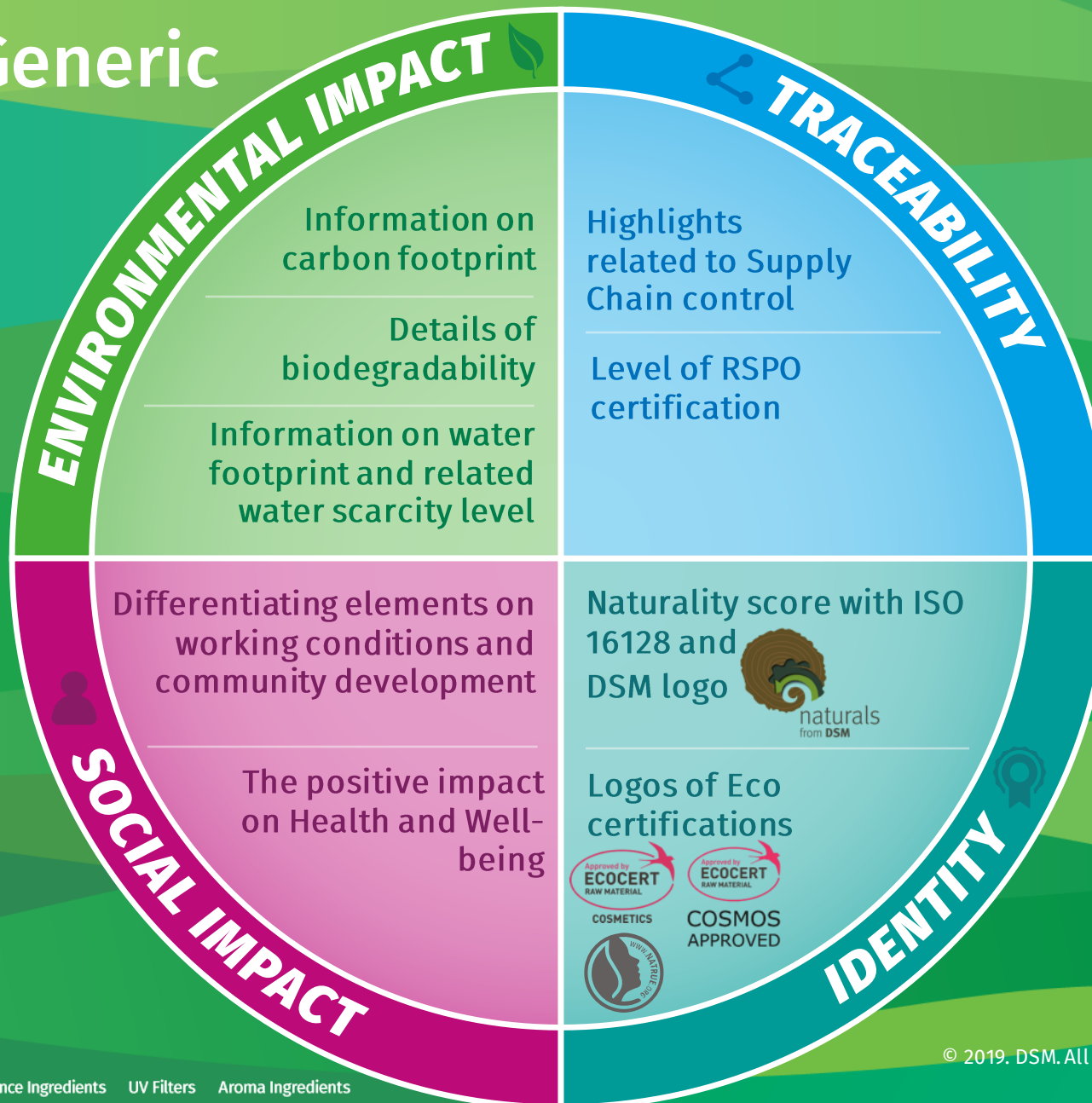


# Overview of a Generic Sustainability Imp'Act Card™

Product Name

Unique Selling Points

INCI Name  
Product Code



Aligned with and contributing to the

SUSTAINABLE  
DEVELOPMENT  
**GOALS**

**3** GOOD HEALTH  
AND WELL-BEING








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# DSM's Five Key Sustainable Development Goals

 <ul style="list-style-type: none"> <li>• Africa Improved Foods</li> <li>• World Food Programme</li> <li>• Close micronutrient gap</li> <li>• First 1,000 Days Program</li> <li>• Plant-based solutions</li> </ul>	 <ul style="list-style-type: none"> <li>• Destination Healthy Skin</li> <li>• Quali® Vitamins</li> </ul>	 <ul style="list-style-type: none"> <li>• Renewable Electricity</li> <li>• Green Energy</li> </ul>	 <ul style="list-style-type: none"> <li>• Carbon Footprint Calculator</li> <li>• Net Zero GHG Emissions Reductions by 2050</li> </ul>	 <ul style="list-style-type: none"> <li>• 12 Principles of Green Chemistry</li> <li>• Products produced with 100% renewable electricity</li> <li>• Clean Cow Project</li> <li>• Sedex Member</li> </ul>
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- To make the world a brighter place, we need to pull together. Our business strategy is based on the Sustainable Development Goals (SDGs)
- When different organizations with specific competencies focus on different SDGs, we can accomplish great things in all areas of sustainability

# Disclaimer

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**LET'S DO SOMETHING MEANINGFUL TOGETHER**

**THANK YOU**

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