



Creating impact by integrating the SDGs in a company strategy



Corbion: Who we are today



Sustainable Food Solutions

- Preservation
- Functional systems
- Single ingredients

Lactic Acid & Specialties

- Lactic acid
- Lactic acid derivatives
- Biopolymers

Incubator

- Omega-3 (DHA)
- Algae protein
- Co-polymer platform

- € 986.5M revenues (2020)
- Over 2250 employees
- 14 manufacturing facilities across the globe
- Unique technology: fermentative production of organic acids, fats and oils



2 ZERO HUNGER

Preserving food and food production



3 GOOD HEALTH AND WELL-BEING

Preserving health



12 RESPONSIBLE CONSUMPTION AND PRODUCTION

Preserving the planet

Corbion champions preservation in all its forms

Using science to propel nature's ingenuity

2

ZERO HUNGER



Preserving food & food production



3

GOOD HEALTH AND WELL-BEING



Preserving health



12

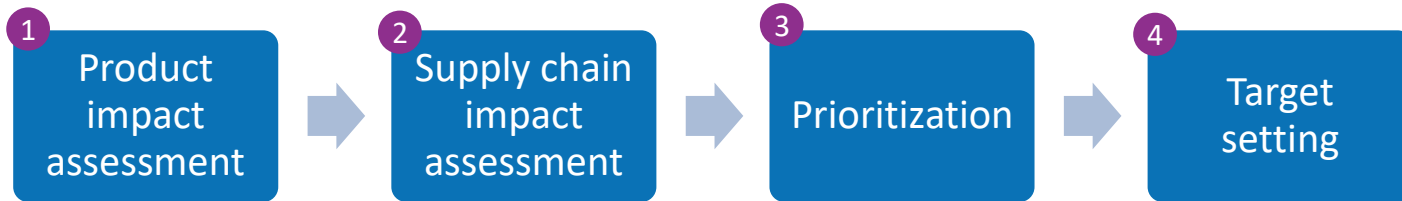
RESPONSIBLE CONSUMPTION AND PRODUCTION



Preserving the planet



SDG impact assessment: 4- step approach



Stakeholders involved

- Business development
- Operations
- Competence leads
- Senior management
- Employees
- Customers
- Shareholders
- Multi-stakeholder initiatives
- Suppliers
- Industry associations
- NGOs
- Authorities

1. Product impact assessment: Description

I. Analyze Corbion's value chain

II. Determine key impact areas and sub-impact areas

- Interviews with business, internal documents

III. Collect and review supporting evidence






- Type of evidence: scientific publications, R&D studies by external laboratories, internal test results, customer feedback, examples of commercial application, certifications and patents.
- Reviewed by internal competence leaders and relevant subject matter experts

IV. Mapping Corbion key impact areas with the SDG targets

- Inspired by [Business Reporting on the SDGs: An Analysis of the Goals and Targets](#)

1. Product impact assessment

Impact areas identified and associated SDG targets

Impact category	2 ZERO HUNGER 	3 GOOD HEALTH AND WELL-BEING 	12 RESPONSIBLE CONSUMPTION AND PRODUCTION 	Linking SDGs
Animal health	✓	✓		
Reduced environmental impact	✓		✓	
Food safety	✓	✓		
Food waste	✓		✓	
Health & health care		✓		
Health & nutrition		✓		
Marine biodiversity	✓			
Biobased economy			✓	
Less hazardous chemicals		✓	✓	

Main assumptions

- ✓ Products with an enabling impact are included.
- ✓ Products for which we do not yet have sufficient evidence to claim a positive contribution to the impact category are not counted.
- ✓ Contribution of a product to SDGs is not considered for applications with potential negative impacts not directly linked to Corbion ingredients (e.g. products for oil and gas, confectionery)

2. Supply chain impact assessment

Description

- I. **Analyze Corbion's supply chain & own operations**
- II. **Determine key impact areas**
 - Chemical Sector impact opportunities identified by [Chemical Sector SDG Roadmap from the WBCSD](#)
 - Corbion materiality matrix & - Impact opportunities related to potential negative impacts in the (bio)chemical sector
- III. **Mapping Corbion key impact areas with the SDG targets**

Impact opportunities related to potential negative impacts in the (bio)chemical sector

Impact category	2 ZERO HUNGER	6 CLEAN WATER AND SANITATION	8 DECENT WORK AND ECONOMIC GROWTH	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	13 CLIMATE ACTION	15 LIFE ON LAND
GHG emissions					✓	
Deforestation						✓
Environmental and social impact of agriculture	✓					✓
Occupational health & safety			✓			
Waste				✓		
Human and labor rights			✓			
Water management		✓				
Use of agricultural land for non-food use	✓					

3. Prioritization

Product impact: Revenue analysis

61% of 2020 revenues contribute to one or more SDGs

	SDG2	SDG3	SDG12	SDG13	SDG14
2020 revenue contribution	30%	34%	50%	7%	1%

Focus SDGs: most significant positive impact

Supply chain: Materiality assessment

	Impact area	Materiality
SDG2	Environmental and social impacts of agriculture Use of agricultural land for non-food use	High
SDG6	Water management	Medium-low
SDG8	Occupational health and safety Human and labor rights in supply chain	High Medium-Low
SDG12	Waste	Medium-Low
SDG13	Greenhouse gas emissions	High
SDG15	Deforestation Environmental and social impacts of agriculture	High

4. Target setting

Description:

- I. Select suitable KPIs
- II. Measure current status & track progress
 - Included in annual report
- III. Set ambitious targets



% of products contributing to preserving food and food production, health and/or the planet^{1,2}

2020

61%

% of innovation projects contributing to preserving food and food production, health and/or the planet^{1,3}

100%



% of products contributing to preserving food and food production^{1,2}

30%

% of innovation projects contributing to preserving food and food production^{1,3}

60%



% of products contributing to preserving health^{1,2}

34%

% of innovation projects contributing to preserving health^{1,3}

94%



% of products contributing to preserving the planet^{1,2}










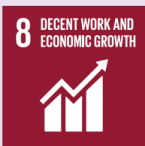

50%

% of innovation projects contributing to preserving the planet^{1,3}

84%

1. Products/innovation projects for which there is evidence that the product/innovation projects contributes to the identified impact categories.
2. By revenues.
3. By expected revenues in year 5 after commercialization.

4. Target setting: set ambitious targets

		Impacted SDGs		
Maximize positive impact	Focus SDGs			
	Linking SDGs			
Minimize potential negative impact	Material			
	Non-Material			

2030 target

>80% of Corbion revenues contributes to these SDGs

Since 2020

100% of innovation projects contributing to these SDGs

2025/2030 targets

- GHG reduction (SBTi target)
- Responsible sourced agricultural raw materials
- Verified deforestation free
- Renewable electricity
- Zero waste to landfill
- 100% recycling by-products

Concluding remarks

- Based on this assessment Corbion has chosen to focus **on SDG 2, SDG 3 and SDG 12** as the goals on which it believes it can make the most significant positive impact, given our business activities.
 - Action: Portfolio steering by setting targets on sales revenues contributing to this targets
- To make a credible and meaningful impact on the Sustainable Development Goals, we need to minimize any negative impacts or “**do no harm**”.
 - Action: Target setting to address potential negative impacts
- **Recommendations and next steps:**
 - Harmonization of SDG assessments for business. Examples of initiatives: SDG ambition benchmarks from [United Nations Global Compact](#), UNEP project “Linking the UN Sustainable Development Goals to life cycle impact pathway”
 - Science Based Targets for Nature ([SBTN](#)) to set additional science-based targets in other relevant areas



Corbion
Keep creating