

# **CARBON-LEADERSHIP™**

## **CARBON FOOT PRINT - ACTION PLAN**



**barriertec**  
EMBALLAGE PACKAGING

# CARBON FOOTPRINT ECOSYSTEM

## ecological transition road map and carbon measurement

SCOPE 1 • 2 • 3

INDIRECT EMISSIONS  
upstream inventory

DIRECT EMISSIONS  
company inventory

INDIRECT EMISSIONS  
downstream inventory



NEW RECOVERED  
AND RECYCLED  
RAW MATERIAL



DASHBOARD & SOFTWARE



**CARBONMETRICS**  
POLYMERS & PLASTICS

CIRCULAR +  
DECARBONATED  
BUSINESS MODEL

2 CARBONBLUE<sup>TM</sup> LIFECYCLE



Meets SD and carbon footprint requirements



corrective measures according to level of urgency and importance

# CARBON-LEADERSHIP™ Methodology

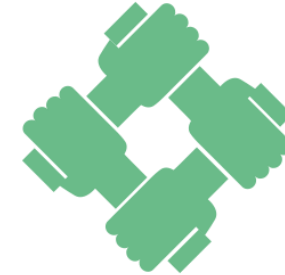
Use new strategic financial levers and reduce the carbon footprint



**Develop** the business model towards circularity and innovation:  
**new byproduct depots**  
**ecodesign**  
**value creation**



**Feeding** strategic thinking by measuring impacts on resources, nature, health and GHGs:  
**product(s) carbon footprint**  
**company GHG assessment**  
**Carbon Action Plan**

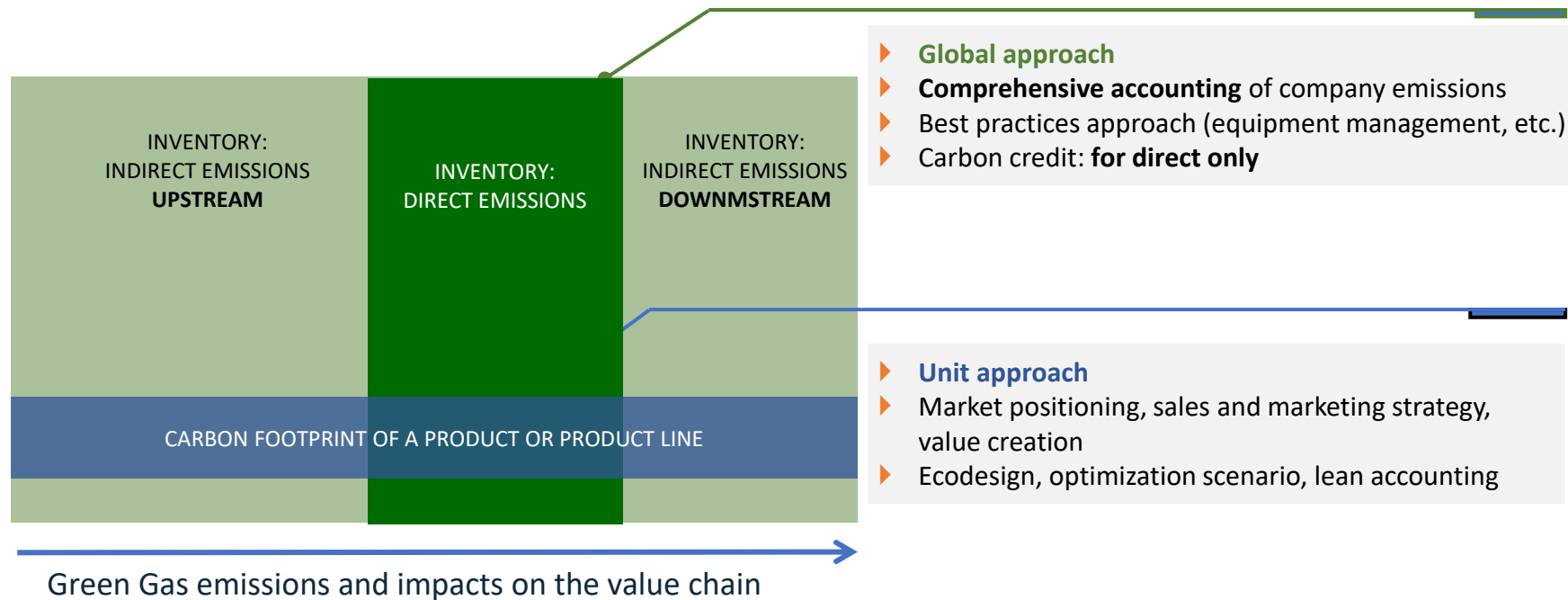


**Strengthen partnerships** with suppliers and customers:  
create green and **carbon-free**  
**supply chains**

# CARBON-LEADERSHIP™ Methodology

## Data collection

### Dual carbon accounting approach SCOPE 1 – 2 – 3



**CARBON** ~~ON~~ **METRICS**  econvent  
integrated

Internal self-management  
data collection tool

# CARBON~~ON~~METRICS allows you to:

Master the overall rate of return, discover areas of waste and effectively reduce GHGs and other damages



Accurately measure the company's direct and indirect carbon footprint  
**(Scope 1, 2 et 3)**



Scenarisation of options and assess with costs related to a circular and decarbonized economy **in real time**



**Act as a positive and informed** leader with clients, suppliers, partners and consumers

# THE FOOTSTEP OF POSITIVE CLIMATE PROGRESS

- International standards
- Optimization and productivity
- Cost control - Overall equipment effectiveness
- Elimination of waste

- Sustainability Action Plan
- Carbon measurement, GHG Report, life cycle analysis
- ECODESIGN of products
- CARBON Action Plan - Footprint reduction

- Reduce and compensate
- Climate - Carbon Certifications

→ AIM at NET ZERO CARBON

- CARBON CAPTURE + Initiative
- AIM at POSITIVE CARBON CAPTURE



**CARBON LEADERSHIP™**

**ECORESPONSIBLE™**



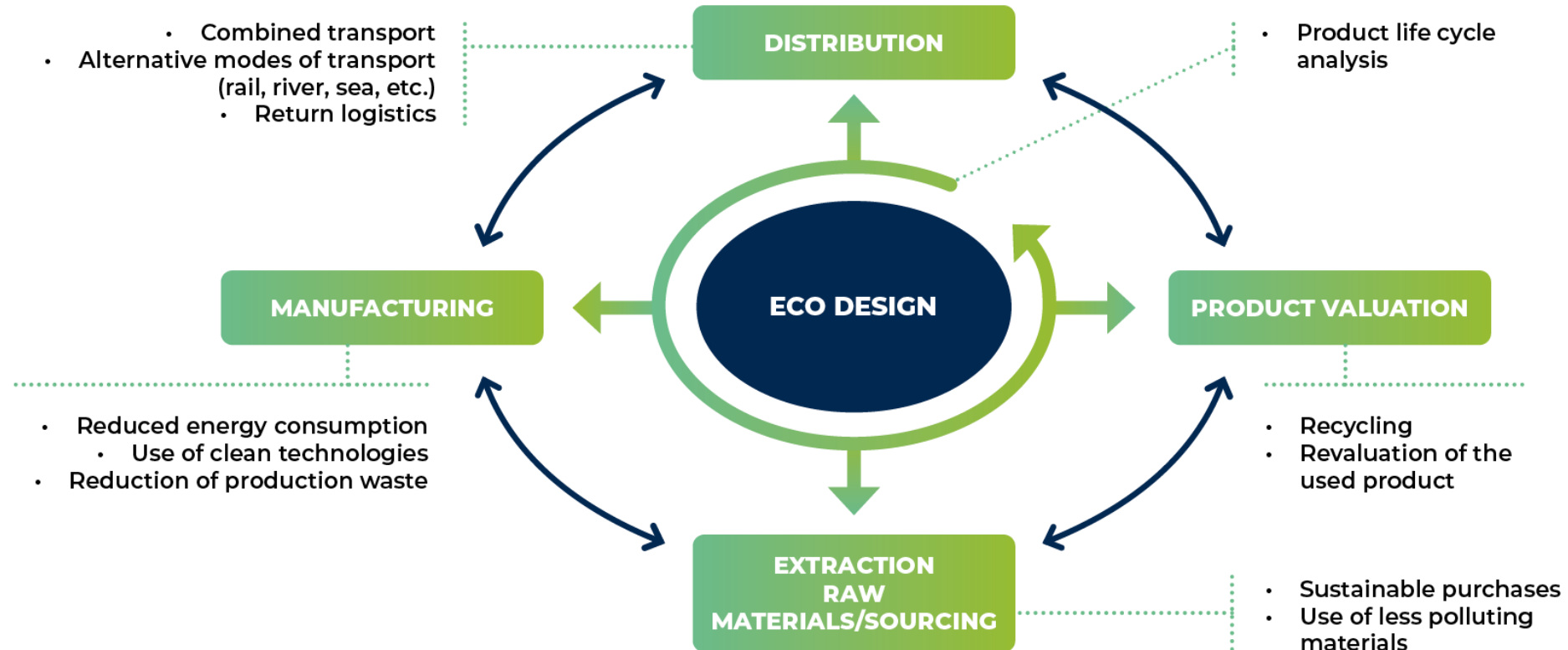
~~NET ZERO~~

**C<sup>2</sup>+**



# Perimeter of the green and carbon-free supply chain

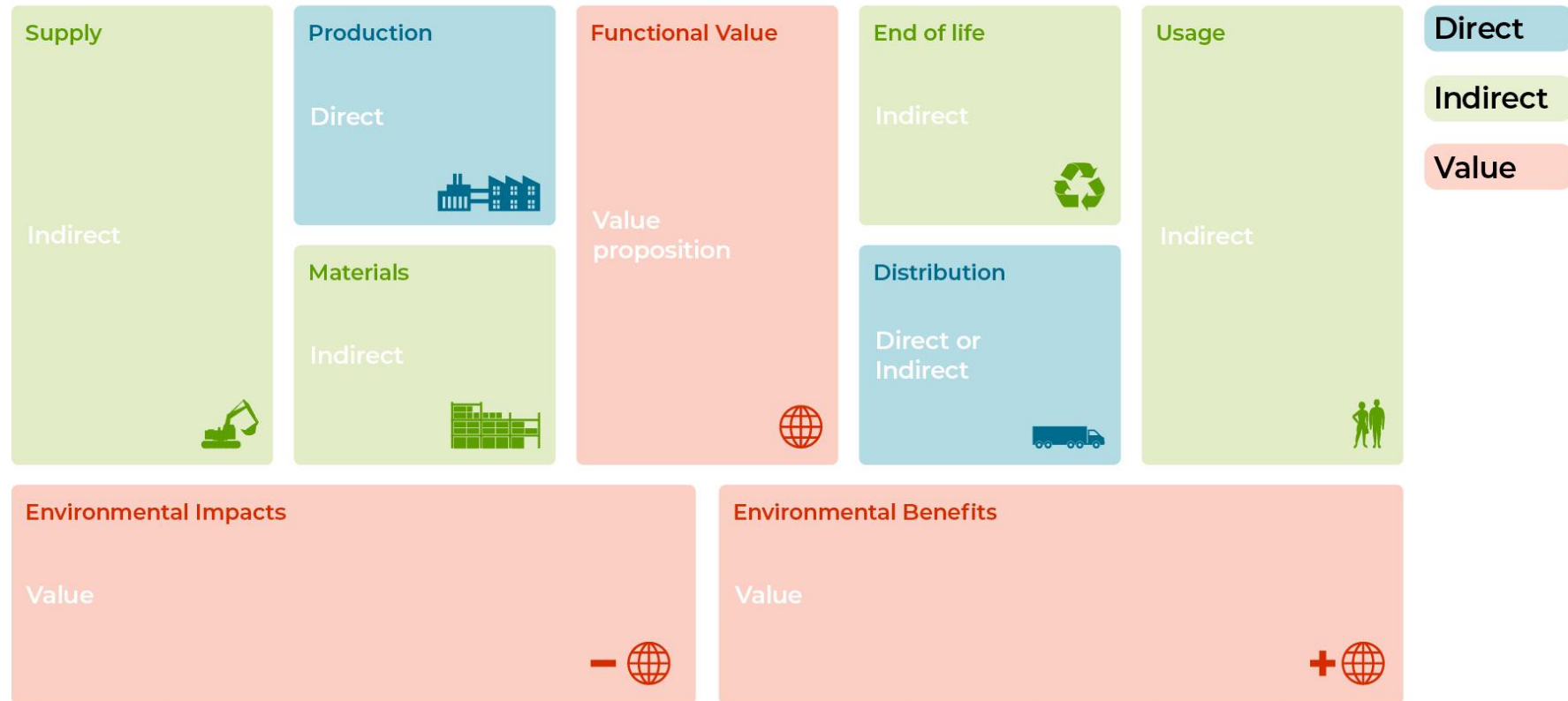
According to the “Supply Chain Observatory”, econdesign is at the heart of the solution



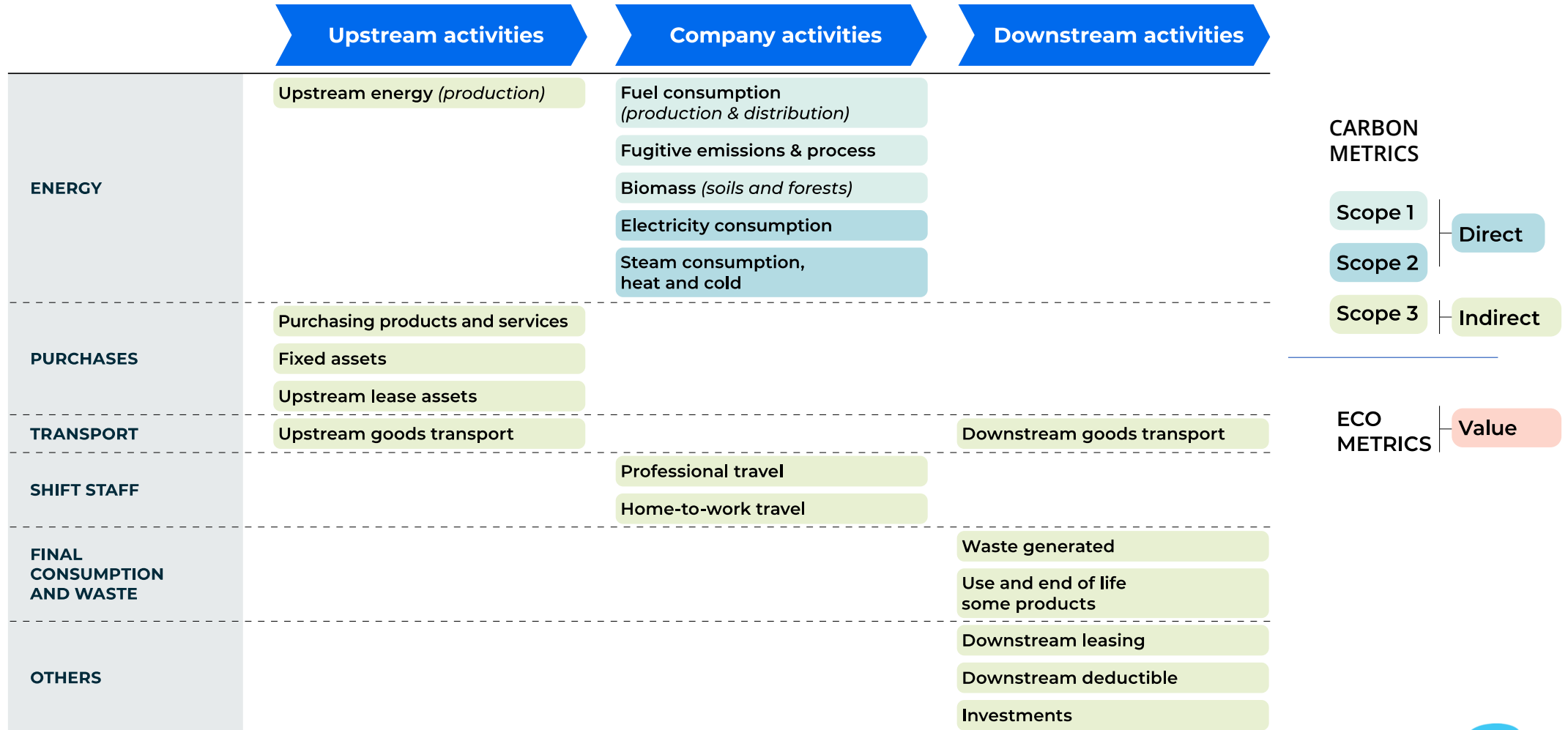


# Calculate damages by unit produced

## Carbon value business model canevas



# Overview of scopes 1 2 3



# ReCiPe (I)

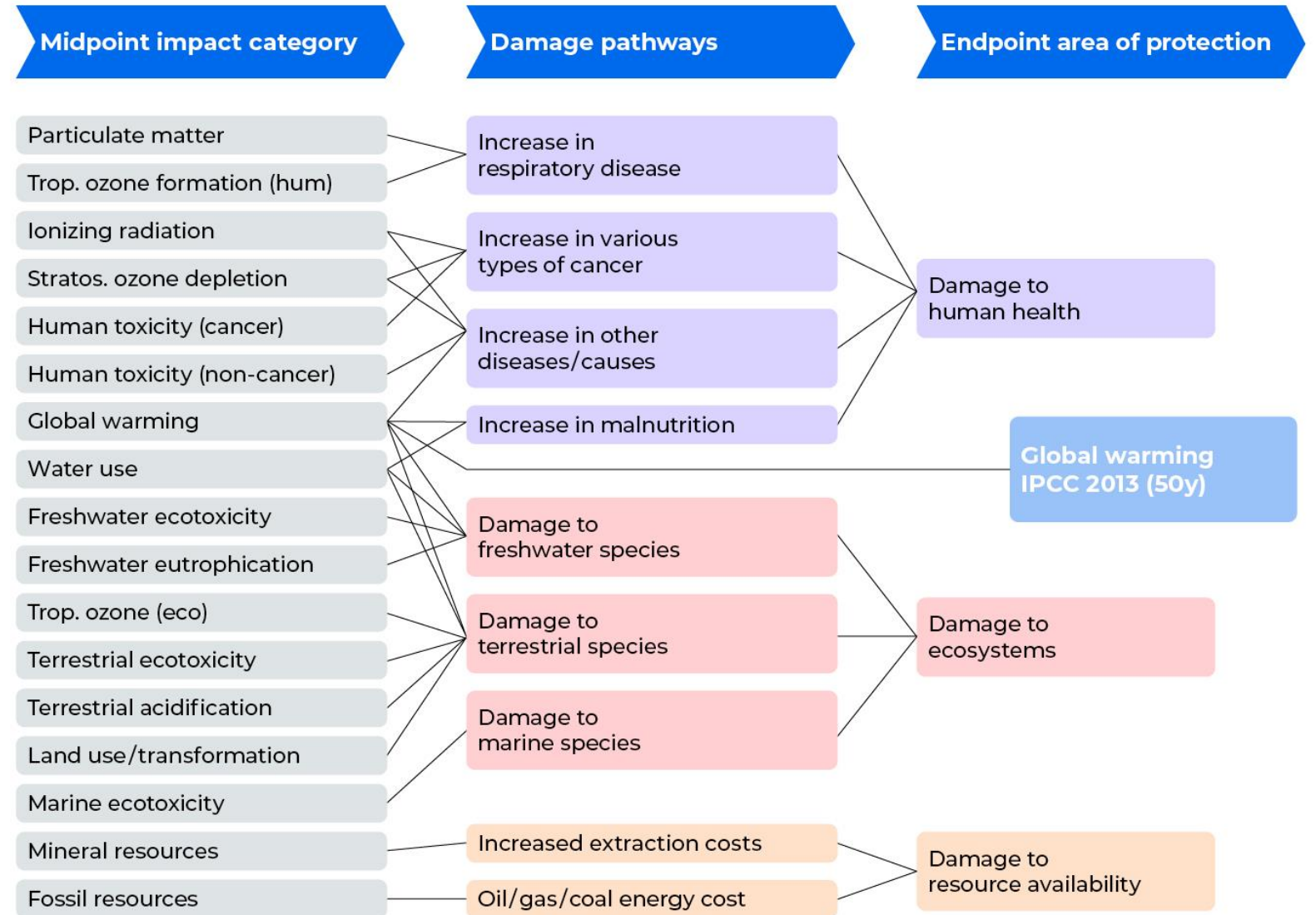
## DAMAGE CALCULATION:

Human Health

Ecosystem

Ressource availability

GHG



The  
**CARBON-LEADERSHIP™**  
methodology and Data Collection Tool  
**CARBONMETRICS**

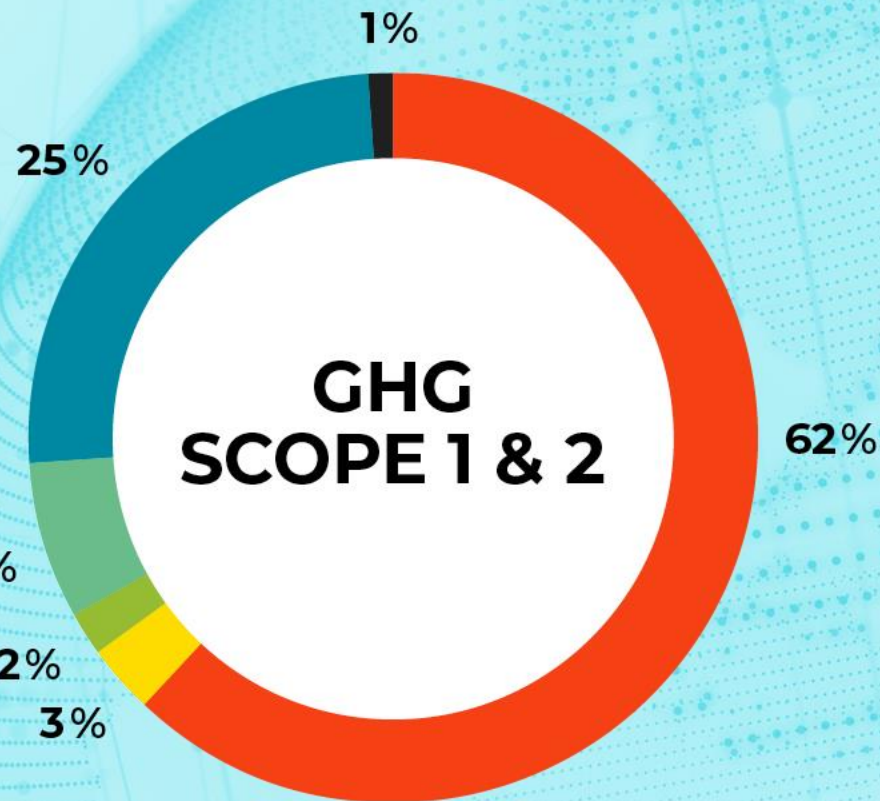
measure and provide  
**100 %** of data useful for






**International  
certifications,  
attestations  
and accreditations**

1. CARBON Certification / ECOCERT
2. ACT / Net+
3. Lean & Green
4. Carbon disclosure
5. Environnemental Product Disclosure
6. Carbon Label
7. Carbon Credits
8. *Synergie Québec* / Industrial Symbioses

# GHG Scope 1 & 2

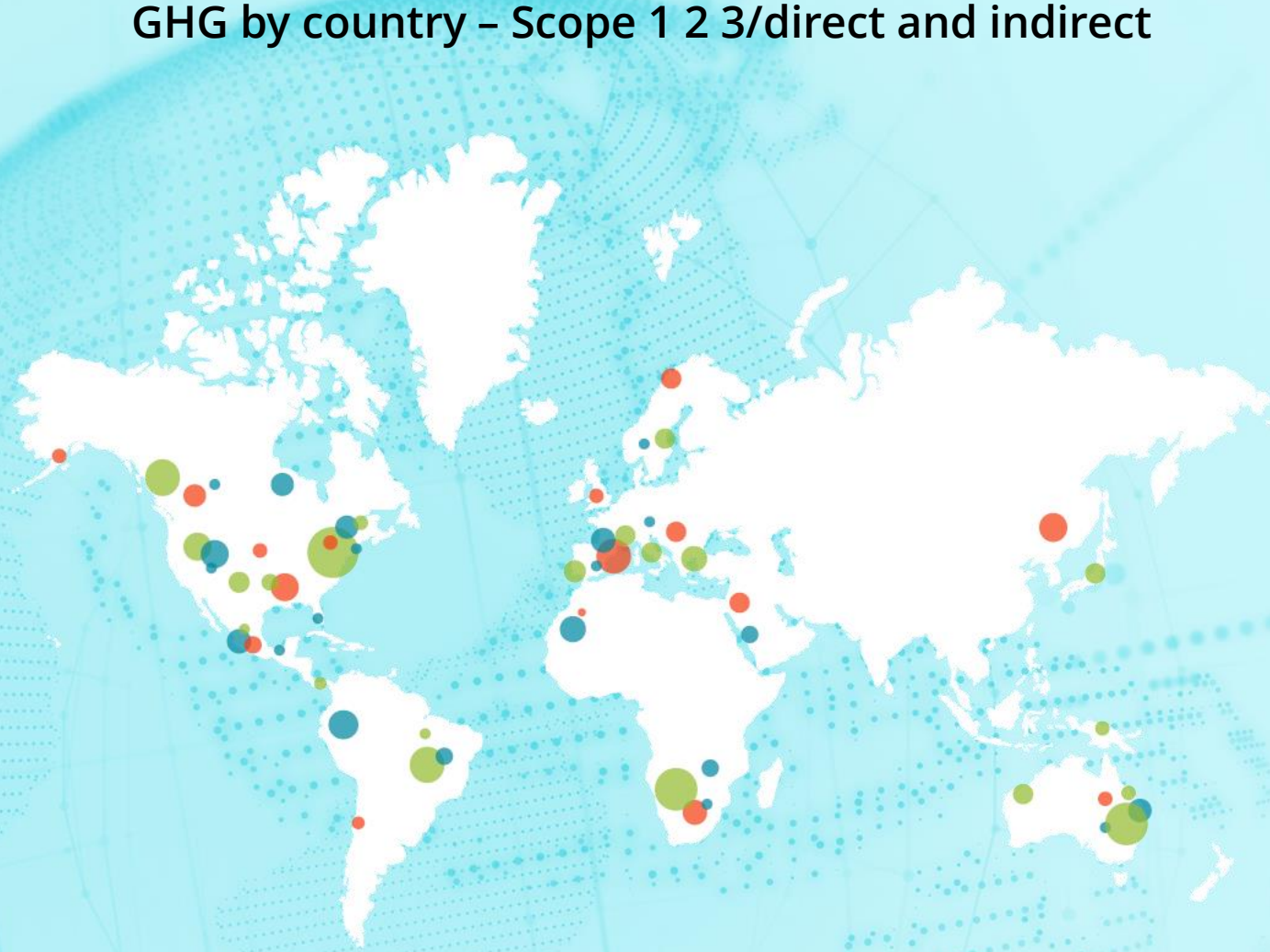
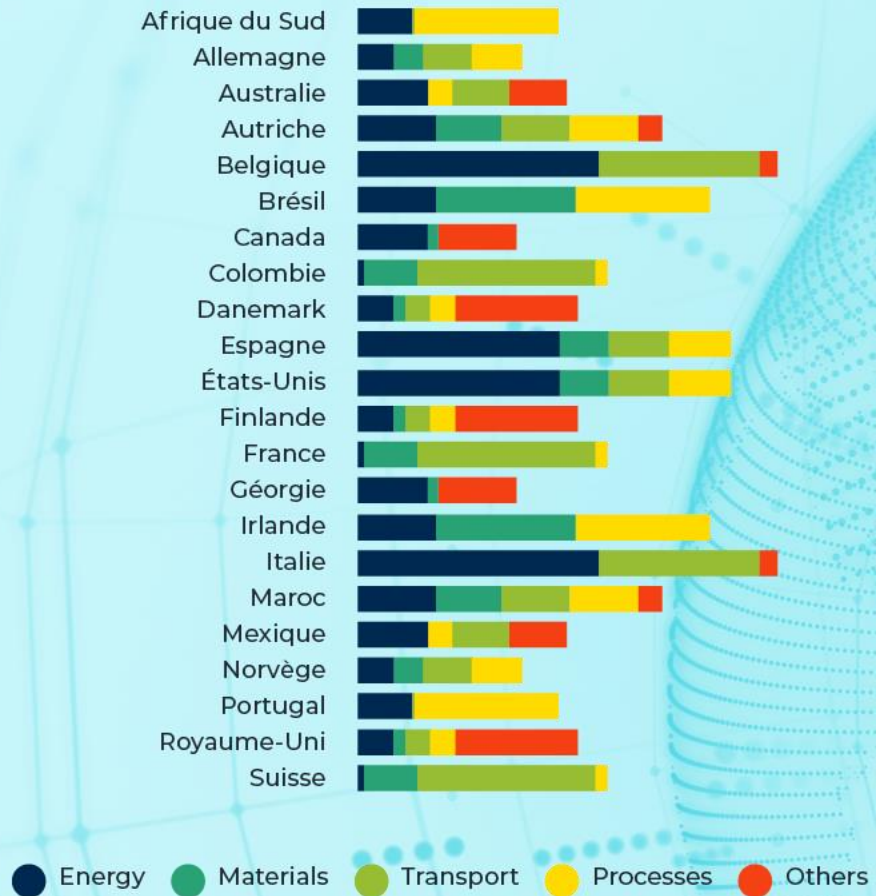
- Purchase of products and services
- Landfield
- Infrastructure
- Recycling
- Distribution
- Employees



	<b>Products &amp; services</b> Emission bâtiment (Teq CO2) <b>163.6 – 62%</b>
	<b>landfield emissions</b> Emission (Teq CO2) <b>7.1 – 3%</b>
	Recycling (Teq CO2) <b>22.8 – 7%</b>
	<b>distribution</b> Emission Récupération Denrées (Teq CO2) <b>129.2 – 25%</b>
	<b>Employee mobility</b> Emission déplacement employés (Teq CO2) <b>5.2 – 1%</b>

## Life cycle analysis by product by country

## GHG by country – Scope 1 2 3/direct and indirect



# Scenarisation

