

Emission Management



DICTIONARY

Greenhouse gas (GHG) emissions:
Gases (CO₂, CH₄, N₂O, etc.) that trap heat in the atmosphere and contribute to global warming.

Carbon or CO₂ footprint:
Determining the total amount of carbon emissions generated by an entity (country, company, product, etc.). Usually quantified in metric tons of CO₂ equivalents over a fixed period of time.

Net-zero emissions:
When the total amount of all GHG emissions emitted by human activities is equal to the amount removed from the atmosphere. They imply climate neutrality.

1 TON OF CO₂ = 80 years

To absorb a ton of CO₂, a beech must grow for about 80 years.



36,800,000,000

tons of global energy-related CO₂ emissions in 2022 (iea)

Scope 3 can represent over 90% of a company's emissions

by GHG Protocol

SCOPE 1 = direct GHG emissions that occur from sources that are owned or controlled by a company

SCOPE 2 = indirect GHG emissions that occur from the generation of purchased energy consumed by a company (upstream activity)

SCOPE 3 = indirect GHG emissions resulting from a company's (upstream and downstream) activities but occur from sources not owned/controlled by a company

REGULATIONS

that may require your company to report on emissions:

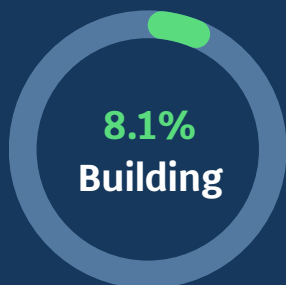
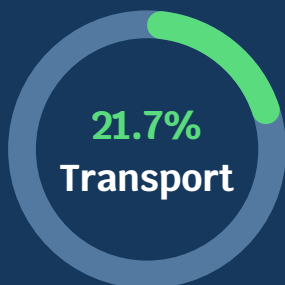
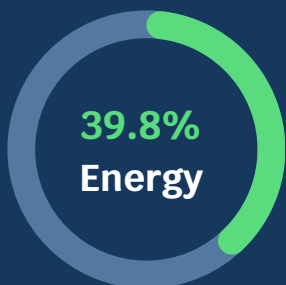
- ✓ CSRD/ ESRS
- ✓ IFRS S
- ✓ SFDR
- ✓ EU TAXONOMY



GREENHOUSE GAS PROTOCOL

- is a globally standardized framework
- allows to measure, manage, and compare GHG emissions from private and public sector operations, value chains, and more
- classifies greenhouse gas emissions into three areas of origin: Scope 1, 2, and 3

GLOBAL CO₂ EMISSIONS BY SECTOR (2022)
by iea



5 STEPS

TO MANAGE YOUR COMPANY'S EMISSIONS

STEP 1 – STEP 2 – STEP 3 – STEP 4 – STEP 5

Prepare your emission management

Assess your company's emissions

Set emission targets

Disclose your emissions

Take measures for reduction

CCF

company-related approach to measure your carbon footprint



PCF

product-related approach to measure your carbon footprint