DEEPESG

IMPACT THAT MATTERS

Greenhouse Gas (GHG) Emissions Report

SULPLAST

2024

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Greenhouse gas emissions inventory building tool

The Carbono IA platform produces a carbon inventory in compliance with the GHG Protocol methodology, quickly, with no need for IT, using data the company already submits to the Federal Revenue Service (Receita Federal).

WHAT DOES YOUR COMPANY GAIN WITH CARBONO IA?



CO2e EMISSIONS INVENTORY, SCOPES 1, 2 AND 3 (UPSTREAM)



INVENTORY DELIVERED WITHIN 15 DAYS AFTER ALL DATA IS SUBMITTED



NO INTEGRATION REQUIRED

CARBONO IA DIFFERENTIALS

- Covers more emission categories than consultancies;
- Simplified data entry;
- Ready-to-file export for the Public Emissions Registry.

GAIN BENEFITS FROM YOUR CO2e INVENTORY



Don't lose contracts due to a lack of emissions data;

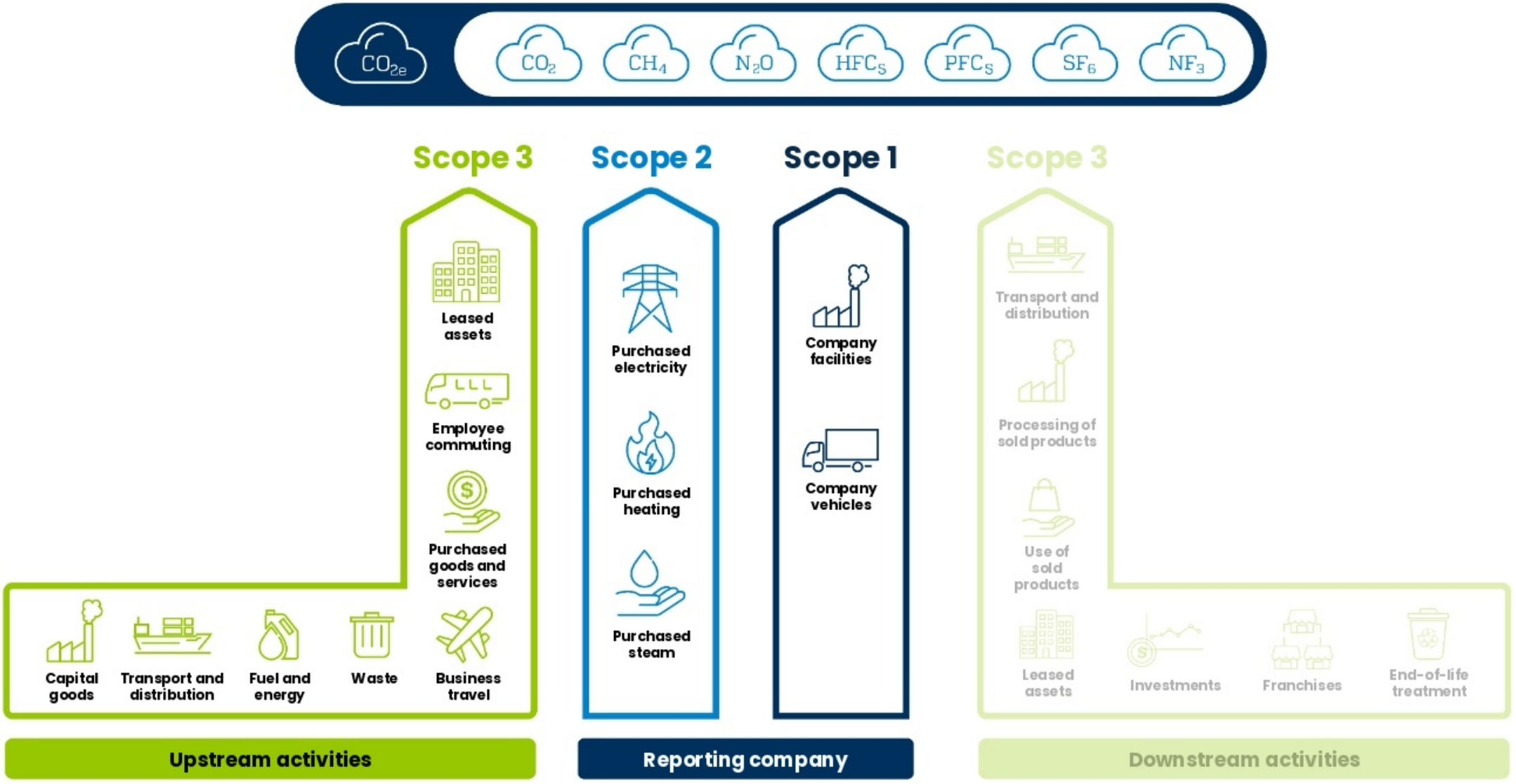


Stay one step ahead of your competitors with your inventory ready.



CO2e measurement **following the market's leading methodology** (GHG Protocol);

WHAT ARE SCOPES 1, 2 AND 3



WE TURN FINANCIAL DATA INTO ESG MEASUREMENT

WE DO IMPACT ACCOUNTING

DATA SUBMISSION

MICRODATA IDENTIFICATION

Obtains information from accounting data and refinement questions

Sped

Refinement questions

SOLUTIONS

DEEPESG

R&D Excellence – Scientific Sustainability Methodologies

Highly qualified R&D specialists

DATA BASE

WORLD RESOURCES INSTITUTE · INTERNAL PRODUCTION · NET EFFECT · ACADEMIC BIBLIOGRAPHY · ipcc · OECD · GREENHOUSE GAS PROTOCOL

AUTOMATIC MEASUREMENT OF CO2e EMISSIONS



CO2 Emissions

- Broken down by scope;
- With categories separated within each scope;
- Compared with the sector average.

Emissions overview

Emissions (in tonnes of CO_2e)

SCOPE 1	SCOPE 2	SCOPE 3
271.623	**157.489**	**9,279.561**

Total Emissions

Emissions Equivalents

Total Emissions in tCO_2e	Trees (units)	Soccer fields (units)
9,708.673	69,347.66	56.07

Emissions (in tonnes of CO_2e)

SCOPE 1

Mobile Combustion	**13.777**
Stationary Combustion	**253.985**
Fugitive Emissions	**3.860**

SCOPE 2 - Location-based

Purchased electricity - location-based	**157.489**

SCOPE 3

Purchased goods and services	**7,315.611**
Capital goods	**439.009**
Fuel and energy (excl. scopes 1 and 2)	**38.839**
Upstream transportation and distribution	**1,402.667**
Business travel	**3.819**
Leased assets (organization as lessee)	**75.785**
Wastewater	**3.832**

Scope 1 - Direct GHG emissions



Mobile Combustion

13.777 tCO2e

GHG emissions from burning fuel that generates energy used to produce movement and travel a route. Examples: gasoline, diesel, compressed natural gas, ethanol, biodiesel.



Stationary Combustion

253.985 tCO2e

GHG emissions from burning fuel in machinery and equipment. The energy generated by combustion is generally used to produce steam or electricity. The emission source is stationary, meaning it is not a means of transport. Examples: natural gas, liquefied petroleum gas (LPG), biogas, diesel, biomass.

Scope 1 - Direct GHG emissions



Fugitive Emissions

3.860 tCO2e

Emissions that occur due to unintentional gas leaks, for example from fire extinguishers, gas piping, refrigeration and air-conditioning equipment, etc.

Scope 2 - Location-based GHG emissions from purchased energy



Purchased electricity - location-based

157.489 tCO2e

This approach quantifies Scope 2 GHG emissions using as the emission factor the average emissions from electricity generation in a given grid, considering its geographic boundary over a given period of time.

Learn more

Reporting Scope 2 under the location-based approach is mandatory according to the GHG Protocol guidelines. It uses the average emission factor of Brazil's National Interconnected System (SIN) to calculate emissions. If the company has purchased renewable energy certificates, the calculation is reflected in the "Market-based" approach.

Scope 3 - Indirect greenhouse gas (GHG) emissions



Purchased goods and services

7,315.611 tCO2e

These are emissions that occur in the life cycle (extraction, production and transport) of products (goods and services) purchased or acquired, up to the point of receipt by the reporting organization, that are not accounted for in another Scope 3 category.



Capital goods

439.009 tCO2e

These are emissions that occur in the life cycle (extraction, production and transport) of products (goods and services) purchased or acquired, up to the point of receipt by the reporting organization, that are not accounted for in another Scope 3 category.

Scope 3 - Indirect greenhouse gas (GHG) emissions



Fuel and energy (excl. scopes 1 and 2)

38.839 tCO2e

Emissions related to the extraction, production and transport of fuels and energy purchased and consumed by the reporting organization in the reporting year that are not accounted for in Scopes 1 and 2 (i.e., excluding fuel combustion and electricity consumption).



Upstream transportation and distribution

1,402.667 tCO2e

Emissions from the transportation and distribution of products purchased or acquired by the reporting organization in the reporting year in vehicles and facilities not owned or operated by the organization, as well as other outsourced transportation and distribution services (including both inbound and outbound logistics).

Scope 3 - Indirect greenhouse gas (GHG) emissions



Business travel

3.819 tCO2e

Emissions from transporting employees for business-related activities of the reporting organization, in vehicles operated or owned by third parties, such as aircraft, trains, buses, passenger cars and vessels. This category includes all employees of entities and units operated, leased or owned by the reporting organization.



Leased assets (organization as lessee)

75.785 tCO2e

Emissions from the operation of assets leased by the reporting organization (lessee) and not included in its Scopes 1 and 2. Accounting for leased-asset emissions depends on the type of lease and the consolidation approach used for the organizational boundaries.

Scope 3 - Indirect greenhouse gas (GHG) emissions



Wastewater

3.832 tCO2e

This category accounts for all emissions throughout the treatment and/or final disposal process resulting from the wastewater generated in the reporting year.

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