

Report Product Level Data

CDP Supply Chain



Report product level data

Requesting member is interested in the level of detail suppliers can provide regarding emissions associated with the products they produce

Granular data enables all stakeholders to assess the resource intensity of products and services, track changes in supply chain-specific emissions, identify hotspots and measure progress driven by sustainability initiatives.

Question Number (Full)	Question
7.73	Are you providing product level data for your organization’s goods or services?
7.73.2	Complete the following table for the goods/services for which you want to provide data for
7.73.3	Complete the following table with data for lifecycle stages of your goods and/or services.



What is a Product Carbon Footprint (PCF)?

A PCF measures the carbon equivalent emissions attributable to a product

It estimates the total emissions of greenhouse gas (GHG) associated with a specific product throughout its life cycle

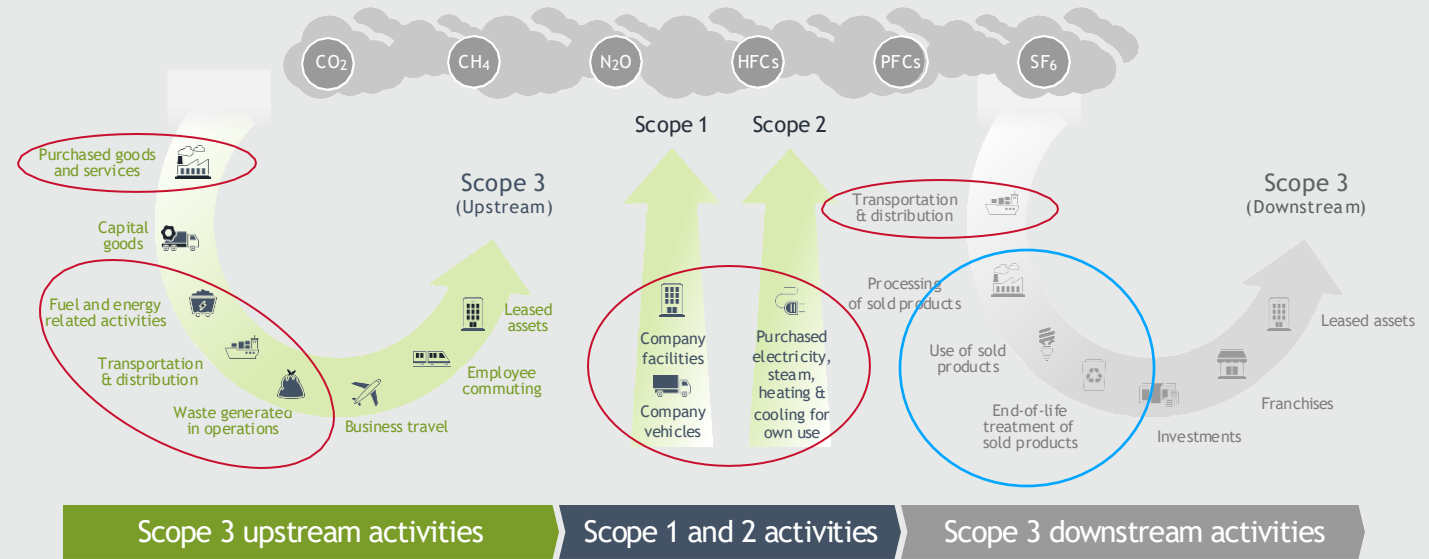
Cradle to Gate PCF accounts for:

- Product related emissions of scope 1, 2
- Select product attributable S3 emission¹
- Product related Transport & Distribution emissions (S3 downstream) to client facilities

Cradle to Grave PCF also accounts for:

- Other S3 downstream emissions to account for the use phase and end of life treatment

Supplier product life cycle



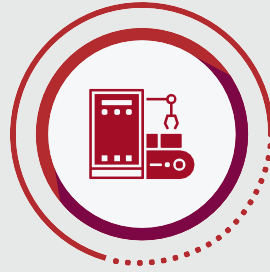
Mapping: 3 high level PCF Lifecycle categories



Material acquisition and pre-processing

Starts with resources extraction, ends with product components entering your production facilities

Primarily S3 upstream



Production

Starts with product components entering your production facilities, ends with finished product exiting your production facilities

Primarily S1 & S2



Distribution & storage

Starts with finished product exiting your production facilities, ends with product entering your client hands

S3 downstream distribution



Steps for calculating product level data

1

Define the System Boundary

- Cradle to gate or Cradle to grave
- Map out production steps for each lifecycle stage within the system boundary

2

Collect the data

- Material acquisition and processing - packaging and raw materials
- Production processes – e.g. energy consumed to produce products
- Transportation & distribution – this can be at different stages of the lifecycle e.g. transportation of raw materials or transportation to the clients' facilities e.g fuel used
- Emissions factors related to each section of activity data

3

Calculate the emissions

- Decide an allocation method-, economic, physical (energy, mass or volume content)
- Multiply each activity by the relevant emissions factor – **Activity Data x Emission Factor = GHG Emissions**
- To get the final PCF sum emissions from all stages

Data collected can be both primary and secondary



Question Breakdown

(7.73.2) Complete the following table for the goods/services for which you want to provide data.

Requesting Member	Name of good/service	Description of good/service	Type of Product	Unique Product identifier	Total emissions in kg CO2e per unit	± % change from previous figure supplied
XXX	Enter the name of the good/service you are providing data for	e.g. a “180-gram tube of toothpaste in a cardboard package” or a service such as the “design of a color A5 advertising flyer.”	Select from: • Final • Intermediate (where final use of product is unknown)	Enter relevant unique product identifier/reference e.g. SKU that you share with the customer if you have one	Enter emissions associated with the product/service	If you have provided data in a previous year, you can enter the % change here
Date of previous figure supplied	Explanation of change	Methods used to estimate lifecycle emissions				
Enter date you provided previous emissions associated with good/service	Free text field to explain why emissions may have increased or decreased	Select from the options: • Bilan Carbone • French Product Environmental Footprint • Greenhouse Gas Accounting Questionnaire Sector Guidance for Pharmaceutical Products and Medical Devices • GHG Protocol Product Accounting & Reporting Standard • ISO 14040 & 14044 • ISO 14025 • EU Product Environmental Footprint (EUPEF) • PAS 2050 • WBCSD Life Cycle Metrics for Chemical Products • Other, please specify				



(7.73.3) Complete the following table with data for lifecycle stages of your goods and/or services. .

Requesting Member	Name of good/service	Scope	Lifecycle stage	Emissions at the lifecycle stage in kg CO2e per unit
XXX	Enter the name of the good/service you are providing data for	Select from: • Scope 1 • Scope 2 • Scope 3 • Scope 1 & 2 • Scope 1, 2 & 3 • Other, please specify	Select from: • Assembly • Consumer use • Cradle to gate • Cradle to grave • Distribution • End of life/final disposal • Energy/fuel • Manufacturing • Material acquisition • Operation of premises • Packaging • Pre-processing processing • Production • Recycling • Storage • Transportation • Waste • Other, please specify You should add a row for each subsequent lifecycle stage.	Report the emissions for the final/intermediate product in kg CO2e/unit of good or service for the given life cycle stage(s) you are providing data

Lifecycle stage under your ownership or control	Type of data used	Data quality	If applicable, describe the verification/assurance of the product emissions data
Select from: • Yes • No , depending on whether you have control over that particular operation. Use the definition of control you have used for your organizational boundary (financial/operational control).	Select from: • Primary • Secondary • Primary & secondary	Provide any information relative to the data quality used to produce the figure for this lifecycle stage. Consult Chapter 8 of the GHG Protocol Product Life Cycle Accounting & Reporting Standard for help in assessing data quality.	CDP recognizes that the verification and assurance of product level data is still in the early stages of development. If you are taking steps to verify or assure the data you provide, please use the free text box to explain how.



Resources for capacity building

- [Greenhouse Gas Protocol Product Life Cycle Accounting Standard](#)
- [GHG Protocol- Life cycle databases](#)
- [PACT Methodology for Product Carbon Footprints](#)

