

The Product Carbon Footprint Guideline

Gold standard for calculating PCFs in the chemical industry

> Upstream Scope 3 greenhouse gas (GHG) emissions constitute a major share of a chemical company's emissions. Calculating the carbon footprint of products provides the best product-level information for identification, tracking and reducing Scope 3 GHG emissions in the industry.

Taking the lead for the chemical industry, TfS launches a Product Carbon Footprint (PCF) Guideline for the calculation of PCFs for chemical materials, and in 2023 an IT solution that will enable companies to share and update their PCFs efficiently. The PCF Guideline enables suppliers and corporations to produce comparable quality carbon footprint data for the first time. Consistency of results can create a high-quality industry baseline, making it simple for businesses to conduct cross-industry comparisons and to compile and manage their emissions across all 3 scopes.



TfS Product Carbon Footprint Guideline

Unique to the chemical industry

First of its kind

Tailored solution to meet unique challenges when calculating PCFs

Allows comparison of PCFs across companies

Ensured stakeholder acceptance

Aligned with existing standards through partnering with organisations such as GHG Protocol, WEF, Science-Based Targets initiative and WBCSD

ISO and GHG protocol accounting standards compliant

Applicable across industries

Open source

using chemical materials

Next step is to share PCF data among supplier and TfS member via an **IT** solution

The IT solution will allow TfS members to engage with suppliers at scale

Will become available in Q2 2023



Results in quality and comparability of PCF data



Calculate, manage and reduce a company's Scope 3 GHG emissions

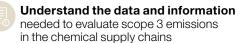


Publicly available on the TfS website from September 2022

Benefits

For Corporations

Find guidance for calculating Scope 3 Category 1 emissions¹ (purchased goods and services) using PCFs



Better identify GHG reduction opportunities



Bolster reporting and reputation among customers, investors and key stakeholders

For Suppliers

Calculate PCFs to the level of specificity that customers request



for determining chemical PCFs

Understand how to provide corporate customers PCFs to the level of specificity they are requesting

Improve sustainability performance and that of the value chain

¹ Source: CDP, "Running Hot - Accelerating Europe's path to Paris" (page 31).

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