

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 chemicals materials and the TfS PCF Data Exchange solution that will enable companies to exchange 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

Chemical industry-specific

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

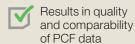
Applicable across industries

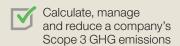
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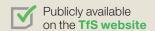
Useful for other industries using chemical materials

Next step is to exchange PCF data among supplier and TfS member via the TfS PCF Data Exchange solution

This PCF Exchange solution will allow TfS members to engage with suppliers at scale







Benefits

For Corporations



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



Understand the data and information needed to evaluate scope 3 emissions in the chemical supply chains



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



Find calculation criteria and instructions 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: Analysis of CDP responses in 2020, via Avieco, "Translating Scope 3 emissions for the chemical sector"

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