

Product Carbon Footprint

Value chain included

We can calculate your Product Carbon Footprint including upstream / downstream processes

In some European countries, products are labelled with their Product Carbon Footprint (PCF) already today. Even if there is no legal obligation to calculate PCFs yet, they are increasingly requested and can be a decisive factor for the award of a contract.

As the CO₂ balance of a product is required to indicate all greenhouse gas emissions along the entire life cycle (related to a defined application and product entity), calculating PCFs is generally very complex and time-consuming.

Production incl. transport of used resources, assembly, distribution, use and end-of-life are processes which have to be taken into account for the calculation.

Making use of the TopDown approach and an extensive experience enable DFGE to determine an emissions balance for a product in a recursive and iterative manner and in a comparably short amount of time, resulting in an outcome which bears public scrutiny.

The accounting process follows the internationally recognized Greenhouse Gas Protocol guidelines (GHG Product Life Cycle Accounting and Reporting Standard) and is aligned to the British standard PAS 2050:2008 as well as to the international norm 14067:2013.

Further developments can be expected in the context of the European Commission's Product Environmental Footprint (PEF) initiative, which is going to reinforce the concept of a fully comprehensive eco-balance.

Our services in a nutshell

Complete

- We reduce your effort as much as possible
- Based on an initial briefing, we collect all information
- Allocation and calculation of the Product Carbon Footprint
- Benchmarks and hotspot analyses

Consulting

- We help you to establish your own know-how
- Transparent consultation and report compilation makes internal evaluation possible
- Tailor-made consulting services according to your targets

Validation

- We check your calculations or the calculations of third parties (including critical eco-balance check / critical review)
- According to international standards like GHG Protocol or ISO 14067
- For a reliable communication with the client
- Valid results for calls for bids

Product Carbon Footprint

For a reliable stakeholder communication

We explain you which norms have to be taken into account, and how you best comply with the requirements of a sustainable economic activity by reducing your Product Carbon Footprint.

“ As owner-operated company with lean structures, we have to invest our capacities with care. First priorities are quality and effectiveness of our products – thanks to DFGE's fully comprehensive assistance, however, we were able to build up a practicable CSR management system in parallel. ”

Michael Kroll, Managing Director,
Optima Pharmazeutische GmbH

Your advantages or why you should contact DFGE for your Product Carbon Footprint

From a user's point of view

- Fitting to your company and your requirements
- Reduced data collection through comprehensive reference database
- Framework is easily expandable for further products or product lines

For a high quality

- Complying with ISO, GHG Protocol and PAS 2050
- Comprehensive live cycle assessment taking into account all product stages
- Allocation of all company emissions including Scope 3

From a management point of view

- Comprehensive compliance with customer requests and requirements
- Internal KPIs related to different product lines and sites
- Foundation for development and distribution of “green” product lines

For an integration in your sustainability management

- Comprehensive report for your sustainability communication
- Consulting and support during further going green activities like Carbon Disclosure Projekt (CDP), UN Global Compact and others



Contact us for more information and references!