

# Product Carbon Footprint (PCF)

## Background

The Product Carbon Footprint (PCF) is a key parameter for determining the environmental impact of a product.

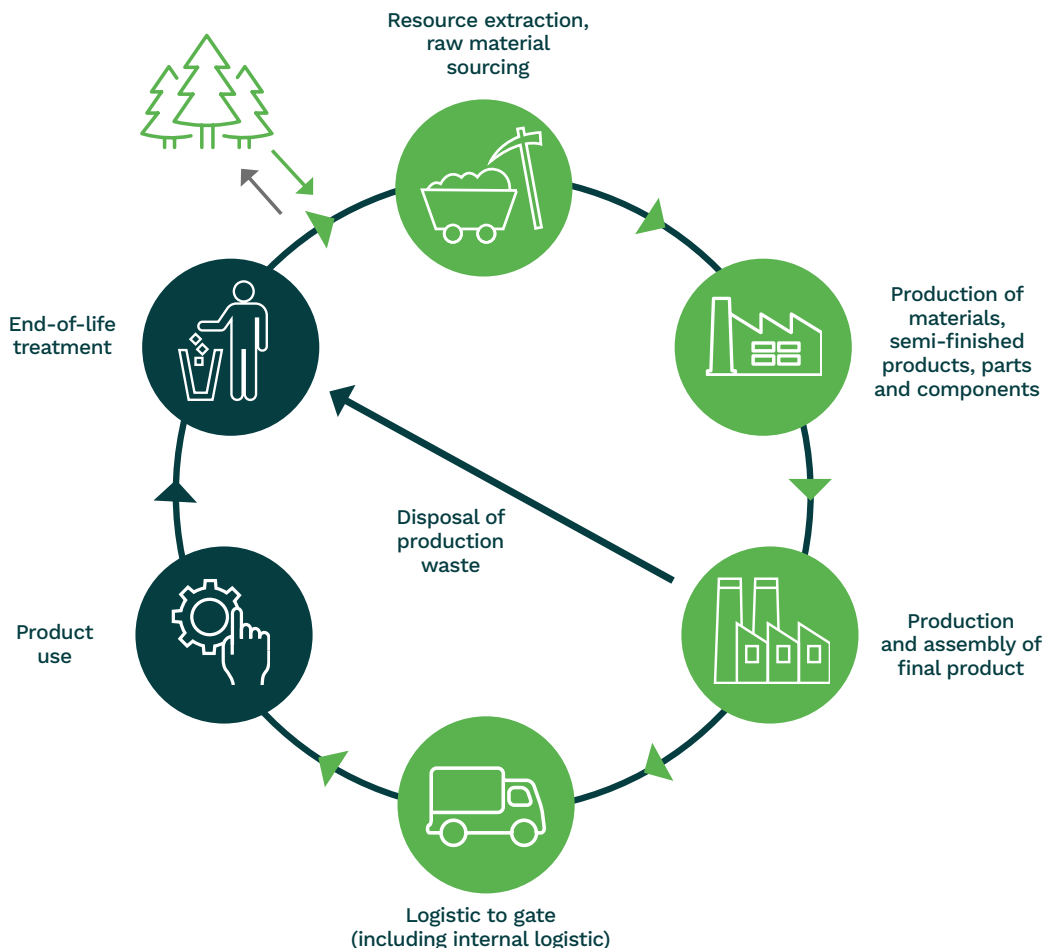
It includes the direct and indirect greenhouse gas emissions (CO<sub>2</sub> footprint) of the product and is therefore an important control element for decarbonization.

In many industries, the environmental footprint of products is becoming an increasingly important factor in purchasing decisions as companies strive to meet their own climate targets and comply with governmental regulations.

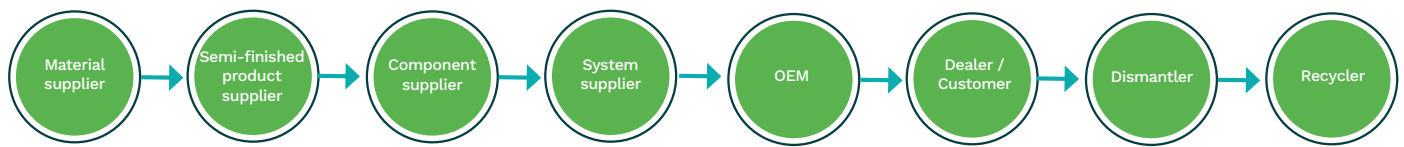
## The challenge

The PCF of a product is typically calculated with the cradle-to-gate system boundary. This means that in addition to the emissions from the company's own production, all upstream activities in the supply chain must be taken into account.

Therefore, primary data from the supply chain (Scope 3 emissions) is required to realistically determine the PCF. This is a major challenge, as the collaboration and data exchange between the parties presents many hurdles. Different data formats and tools make it difficult to collaborate on this important issue.



## The entire value chain



## Our solution for you

Product carbon footprint data exchange with SupplyOn to collect and monitor the PCF of your purchased parts

- ✓ Standardized or customized request templates for relevant PCF data
- ✓ Exchange of PCFs for products that have already been produced or are still in the inquiry phase
- ✓ Monitoring of PCF values and direct communication with suppliers
- ✓ Compatible with other ecosystems and industry standards such as Catena-X
- ✓ API interfaces for easy transfer of PCF values to backend systems (e.g. LCA software) or custom data lakes
- ✓ Around 140,000 suppliers already collaborate with their customers via SupplyOn
- ✓ Plausibility check of suppliers' PCF values with the help of GenAI



## About SupplyOn

Since establishment in 2000, SupplyOn has been a pioneer in supply chain innovations by connecting business partners worldwide, resolving complexities, reproducing processes in digital supply chains and supporting companies on their path to sustainability. Our Carbon Footprint Calculator is powered by multidisciplinary teams and experts from purchasing, governance and IT to ensure the state-of-the-art solution is offered to our customers.

Among our customers are renowned industrial enterprises as Airbus Group, Alstom, BMW Group, BorgWarner, Bosch, Continental, Deutsche Bahn, DEUTZ, Johnson Electric, Kautex Textron, Leonardo, Liebherr, Oerlikon, Safran, Schaeffler, Schindler, Schneider Electric, Siemens, Thales and ZF.

The SupplyOn shareholders are:



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