

# **Product Carbon Footprint Supplier Guideline v1.1 (Short Version)**

September 2024

# Voith Paper Product Carbon Footprint Background



Voith Paper aims at achieving transparency regarding the **Product Carbon Footprint (PCF)** of the Voith Paper product portfolio.

PCF calculation is driven by Voith Paper and its customers as we strive to **provide sustainable products** to our customers. As a supplier of wear parts to paper industry, product carbon footprints for our product portfolio will help to provide data for the carbon footprint calculation of our customers' purchased materials (Scope 3.1 emissions of customers).

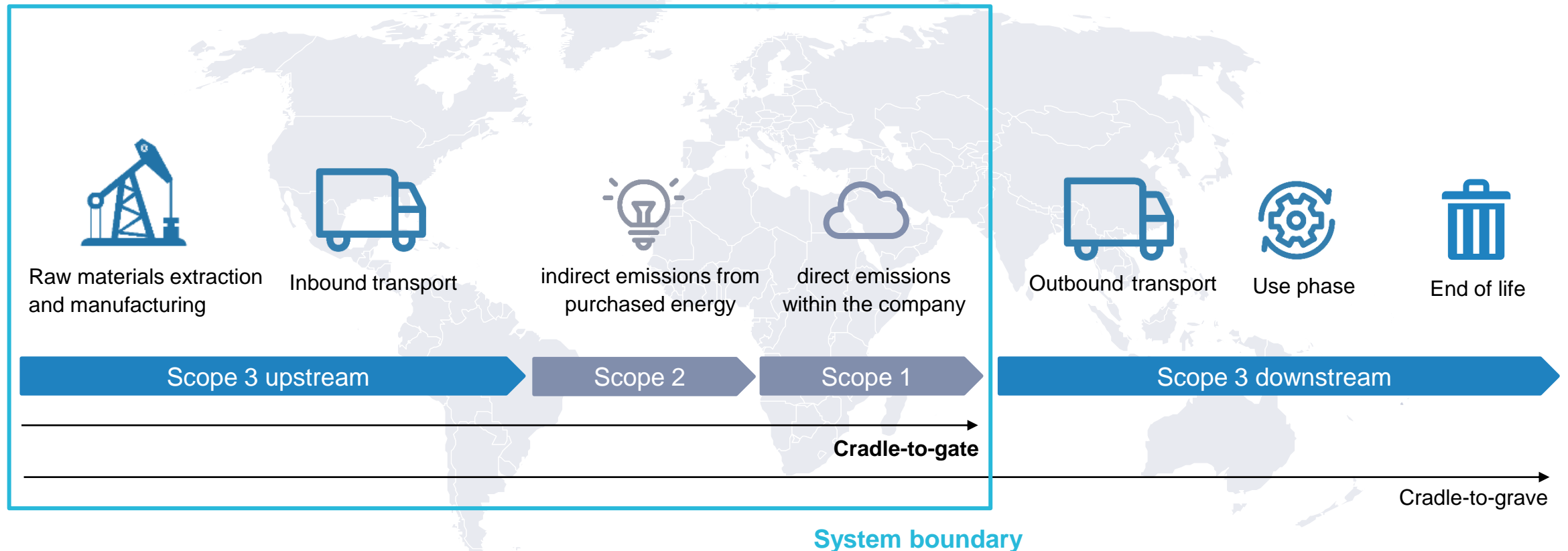
This transparency is crucial for our customers who are strongly and increasingly targeting **GHG Scope 3 tracking and reduction**, but also important to our investors and the authorities.

Therefore, Voith Paper asks new and existing suppliers and partners to provide the carbon footprint data of their products. The calculation of a product carbon footprint should follow the guidelines of ISO 14067:2018 standard.

# Voith Paper Product Carbon Footprint

## Product system

### System boundaries for Product footprint calculation



# Voith Paper Product Carbon Footprint

## Methodological principles and requirements

- Calculation according to **DIN EN ISO 14067:2018**, a worldwide standard for PCF calculation
- Declared unit: **1 kg** of unpackaged product at a factory gate
- Product system: **cradle-to-gate**, from the extraction of resources up to production of the product
- Includes all relevant product related CO<sub>2e</sub> emissions, cut-off criteria for materials and energy inputs are set at below **1%** of the total impact
- In case of using Sphera LCA for Experts software, we recommend using following characterization method: “ISO14067 GWP100 (based on IPCC AR6), Fossil GHG emissions [kg CO2 eq.]”

Included	Excluded
Raw materials	Packaging
Transport of raw materials to production site	Outbound transportation
Site-to-site transportation (if applicable)	
Production data (energy and fuel use, waste)	
<i>Optional: Treatment of production waste if it is made on-site</i>	

# Voith Paper Product Carbon Footprint

## Data collection and quality requirements

Data quality criteria	Requirement
Data source	<b>Primary data from reporting company</b> and high-quality secondary average data from databases (e.g. MLC Databases by Sphera Solutions GmbH, Ecoinvent, IDEMAT) or from third parties for purchased energy and raw materials
Geographical representativeness	Data from all sites must be relevant for the product under study
Temporal representativeness	The data considered must <ul style="list-style-type: none"><li>• refer to the most recent annual administration period,</li><li>• is not older than 5 years,</li><li>• covers at least 12 calendar months to avoid seasonal changes</li></ul>
Consistency	A minimum of consistency and justification will have to be ensured by checking for 15% deviation from the previous year's primary data. In case of a larger deviation, a justifying comment must be provided by the practitioners
Reliability	Data must be based on measurements of actual and site-specific internal production data
Precision	Data must be internally verified; it is advised to check plausibility by internal reviewer

# Voith Paper Product Carbon Footprint Reporting requirements

When reporting the PCF, a supplier must provide following information:

- Name of producer
- Name of product
- Location of production
- Declared unit
- System boundaries
- Sources of secondary data
- Time-related scope
- Geographical scope
- Technological scope
- Allocation
- LCIA method used

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