5 STEPS

to *reduce* ↓ Scope 3 emissions with supplier-specific secondary data

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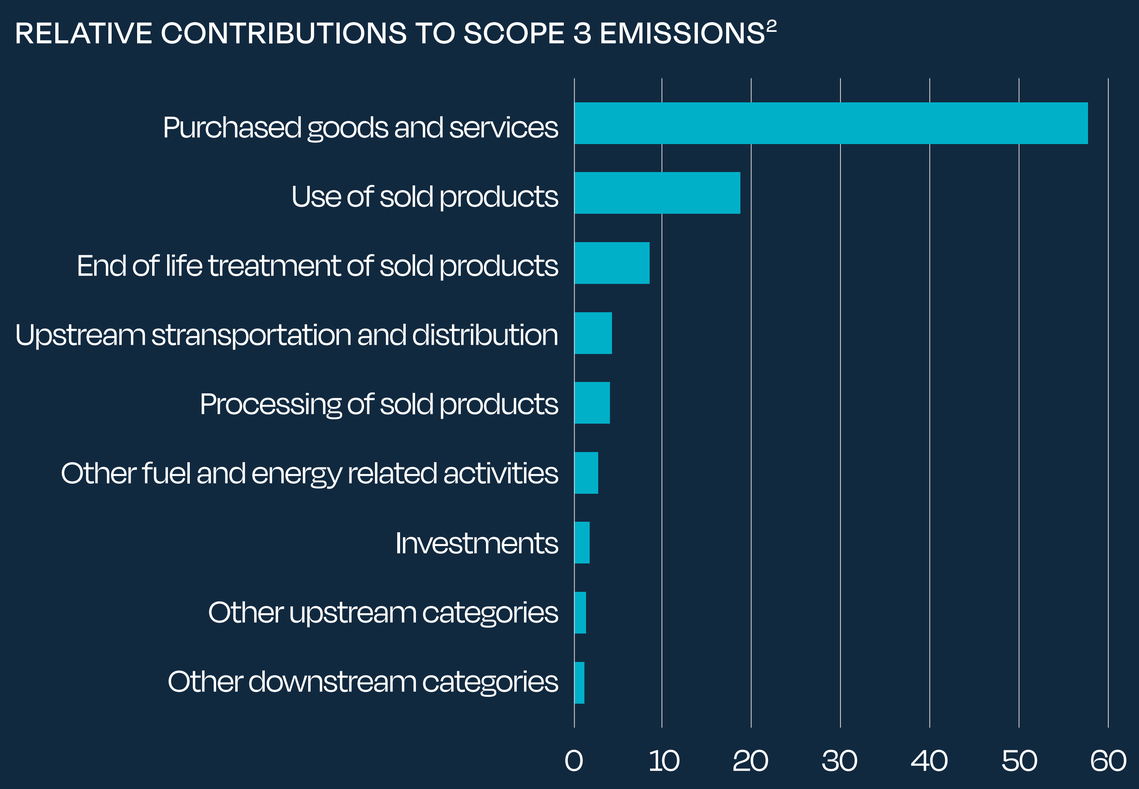
WHY ARE SCOPE 3.1 EMISSIONS YOUR BIGGEST CARBON CHALLENGE?

Relevance of emission scopes for Corporate Carbon Footprint

Example: Chemical industry average[1]



Scope 3 emissions are the largest contributor to a chemical company's carbon footprint, averaging around ***76%***.

- → They include indirect emissions from activities across the value chain, both upstream and downstream.
- → For chemical companies, purchased goods and services account for nearly 60% of Scope 3 emissions.
- → This makes purchased goods and services the main driver of corporate carbon footprints in the chemical industry.

[1,2] CDP (2024); CDP Technical Note: Relevance of Scope 3 Categories by Sector.

OVERCOMING KEY CHALLENGES IN SCOPE 3.1 EMISSIONS

Reducing Scope 3.1 emissions is critical, but many companies face significant barriers to achieving this goal. From gathering reliable data to engaging suppliers, several common challenges can hinder progress.

Addressing these issues is essential for meeting corporate sustainability targets and driving meaningful change.

Challenges

UNDERSTANDING OPTIONS

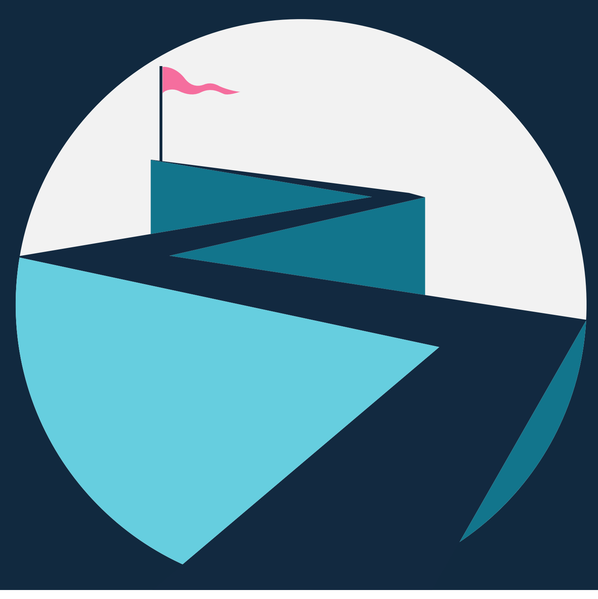
Difficulty in comparing the Product Carbon Footprints (PCFs) of existing suppliers with others, limiting decision-making.

LACK OF DATA

Inability to obtain PCF data from current or potential suppliers, with inconsistent data from multiple sources making comparisons unreliable.

NO BASIS FOR CONVERSATION

Without accurate data, discussions with suppliers lack a strong foundation for collaboration on emissions reductions.



Supplier Footprint Analytics

LEVERAGING SECONDARY DATA TO TACKLE SCOPE 3 EMISSIONS

Supplier Footprint Analytics (SFA) is a new database that provides reliable, supplier-specific secondary data to help overcome Scope 3 challenges and reduce emissions through informed purchasing decisions and effective supplier engagement.

With **Supplier Footprint Analytics**, you can access **PCF** and **LCA data** for nearly all suppliers of 72 bulk chemicals, giving you insights into their environmental impacts across regions. Additionally, you can benchmark your suppliers based on regional averages and explore **technology-specific contribution analyses** to understand the main drivers behind them. This combination of detailed supplier data and a market-wide overview empowers you to engage informed discussions and confidently plan data-driven Scope 3 reduction strategies.

Here's what you get with Supplier Footprint Analytics:

SUPPLIER-SPECIFIC PCF AND LCA DATA

Covering over 9,000 named suppliers of 72 bulk chemicals

COUNTRY SPECIFIC BENCHMARKS

For up to 200 countries covering production mixes, consumption mices, and individual technologies

CONTRIBUTION ANALYSIS

Key contributors to carbon footprints of major production technologies

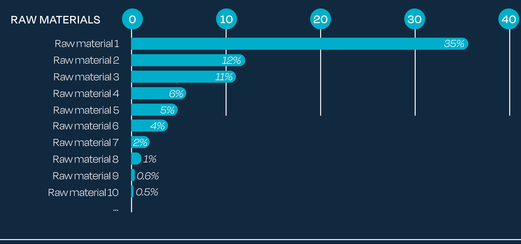
WHAT IS THE WORKFLOW TO PUT THIS DATA INTO ACTION AND REDUCE EMISSIONS?

To apply this data effectively, we guide you through a five-step workflow that helps you systematically reduce your Scope 3.1 emissions.

STEP 1: Prioritize

IDENTIFY LARGEST CONTRIBUTORS

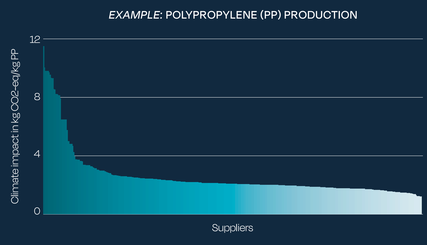
When analyzing the contribution of raw materials to Scope 3.1 emissions, you'll often find that a small percentage of 1,000+ products accounts for the majority of emissions. By focusing on these key materials and applying the following workflow to each, you can drive effective reductions where it matters most.



STEP 2: Get PCFs for all suppliers in the market

GET THE FULL MARKET OVERVIEW

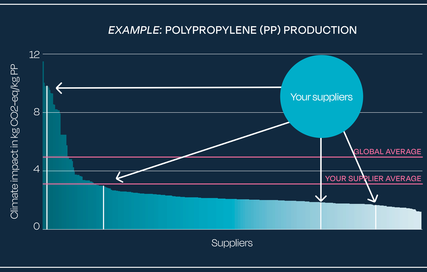
As the next step, obtain a comprehensive market overview of Product Carbon Footprints (PCF) across nearly all suppliers. This data reveals the magnitude of differences between individual suppliers; the larger these differences, the greater the potential for emission reductions through targeted supplier engagement and informed purchasing decisions.



STEP 3: Benchmark and priortize your suppliers for supplier engagement

IDENTIFY HIGH-IMPACT SUPPLIERS

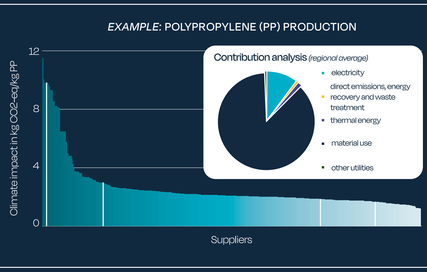
Review the PCFs of your suppliers and benchmark them against your specific supplier mix or a broad set of market benchmarks available in Supplier Footprint Analytics. This approach help you prioritize suppliers for focused engagement to discuss targeted emission reduction strategies.



STEP 4: Engage with your suppliers based on solid data

LEVERAGING DATA TO DRIVE SUPPLIER COLLABORATION

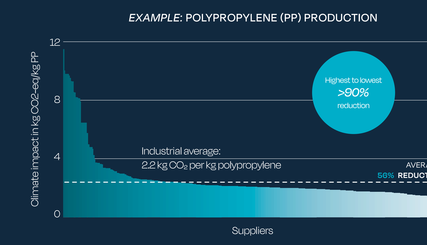
Leverage reliable data to bring clarity to your discussions with suppliers on reducing climate impacts. The benchmarking results from the previous step help you emphasize the urgency of action, while the contribution analysis provides a foundation for constructive conversations around specific emission reduction levers.



STEP 5: Reduce emissions though purchasing decisions

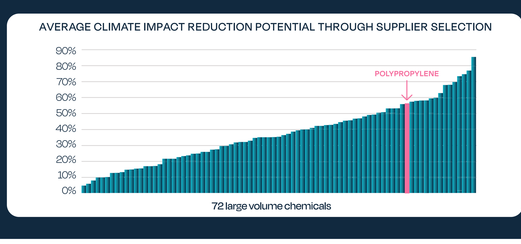
SYSTEMATICALLY INCLUDE SUSTAINABILITY INTO PURCHASING DECISIONS

Share the complete PCF market overview with your procurement team to support the systematic integration of sustainability into purchasing decisions. In our polypropylene example, switching to the lowest-emission supplier results in an average reduction of 56%, with potential reductions of up to 90% by moving from the highest- to lowest-emission supplier.



LARGE CLIMATE IMPACT REDUCTION POTENTIAL FOR MANY LARGE VOLUME CHEMICALS

The substantial climate impact reduction potential in our polypropylene example above is not unique. An analysis of 72 high-volume chemicals reveals an average reduction potential of 38% when switching from any supplier to the lowest-impact supplier across all these chemicals.



Ready to reduce your Scope 3 emissions with *data-driven* insights?

Reach out to us

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