

CARBON FOOTPRINTING



Measurement is the key to knowledge

The logistics sector accounts for a significant share of CO₂ emissions and therefore plays a key role in the allocation and sharing of these emissions across the whole chain.

https://carbonfootprinting.org/

Shared

Goals

Help companies gain

more experience with

Carbon Footprinting.



Start

..... **Create value**

> Increase value for a company through Carbon Footprinting.

Lower barrier

Lower barrier for starting and continuing to work with Carbon Footprinting.

> Facilitate scaled-up application of Carbon Footprinting.

Facilitate scale-up

Active support for transporters and shippers

Challenges



Differing interpretations of international guidelines

Multiple standards with numerous choices for user make it difficult to compare and exchange Carbon Footprinting data and results.



Complexity of CO₂ emissions during registration and allocation

Need to exchange information, varying registration of transport movements and allocation of emissions per cargo complicate calculation of clear footprints.

Programming



CO₂ calculations based on COFRET performance indicators (CPIs) &

- Share emissions per consignment
- Share CPI per trip
- Share average CPI of the transporter for
- Share average CPI of the transporter
- Share average CPI of the sub-sector
 - Use CPI from standard-value tables

Standards and tools

- ISO 14083: by end of 2022 the global ISO standard (contribution and input
- Pre-ISO certification in anticipation of ISO 14083:
- Method for basic information in order.

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- How do you allocate CO₂ to cargo?
- How do you perform calculations?
- · Can you demonstrate this?
- · Tests with data input, output check.
- Application notes, guidelines and explanation of tools at Carbonfootprinting.org

Standards for exchange of logistics data

- Vesdi
- · Open Trip Model
- eCMR

Pharma Asphalt

Hubs

Chemicals of

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Benchmarks

In communities of similar companies (type of transport and cargo).

Soft drinks

Medtech ¹ CONSTRUCTION

Machinery Other waste Package - food Refrigerated Harma Asphalt Final Source Groupage Seeds Fuel Can Construction - DIY stores Catering Plastic FTL transport Cardboard Fruit & vegetables

Broader and more in-depth programming

- Carbon Footprinting for international chains.
- Carbon Footprinting for air freight, maritime and rail modes.
- Improvement of calculation method needed for air freight.
 - Expansion of community benchmarks to 500 companies in 100 segments.

based on Carbon Footprinting data, European-standard-compliant trucks and kilometers traveled.

- Priorities

 Sroader and more in-depth programming
 Carbon Footprinting for international chains.

 Possibility of petiment.

 Carbon Footprinting for air for the footprinting for air footprinting footprin administration.
 - Capacity utilization;
 - floor area (m²),
 - volume (m³),
 - weight (tons).
 - · Optimum use of scarce resources.