

Carbon Footprint (at company and product level)

Issued: July 2024

What is the background?

The ESG regulatory environment is constantly evolving: regulations such as the CSRD require companies to disclose their greenhouse gas (GHG) emissions and the compliance is a legal requirement for more and more companies and supports global efforts to reduce GHG emissions.

What is the goal?

Calculating the corporate carbon footprint (CCF) or product carbon footprint (PCF), taking into account direct emissions (Scope 1), indirect emissions from purchased energy (Scope 2) and emissions from the value chain (Scope 3), creates transparency and enables the effective recording and efficient reduction of GHG emissions.

Who is it relevant for?

For companies that are required to report their GHG emissions under the CSRD and anyone who wants to succeed in the coming low-carbon economy and identify associated risks and develop strategies.


How many are affected?

All companies that fall under the CSRD as well as companies that want to achieve competitive advantages within the framework of voluntary commitments in sustainability.


Where are the challenges?


Determining CCFs and PCFs is challenging due to data gaps, lack of standardization and complex supply chains. Companies have to invest considerable technological and human resources and adapt to constantly changing regulatory requirements.


What opportunities does the osapiens HUB and the CBR service portfolio offer?





Starting point osapiens HUB User Journey



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- Workshops to prepare the CCF and PCF calculations
 - Setup of the osapiens HUB
- Mapping the company's internal organizational structure
- On-site audits and interviews
- Recording of consumers and measurements if necessary
 - Analysis of the materials/raw materials used and creation of a material flow diagram
 - Emission analysis of the upstream and downstream value chains (stages)
 - Creation of mass and energy balances
- Process development, creation of work instructions and process diagrams
 - Establishing an efficient organizational structure
 - Creating automated processes
- Calculation models and other standards (ISO 14040/44, etc.)
 - Development of corresponding dashboards for the presentation of results
- Support in the preparation of the report.
 - Identification of potentials for improvement
 - Definition of reduction targets and associated measures
 - Technical advice on tapping potential savings through improved production and support processes, products and use of materials

CBR | Sustainability Partners

Compliance

- Intern and extern Communication
- Calculation of scope 1, 2 and 3 emissions
- GHG emissions calc. In line to the GHG Protocol

What advantages does the partnership offer you?

The osapiens HUB forms the technological heart of your sustainability reporting and CBR Sustainability Partners offers you excellent capabilities in process and product analysis to unlock economic optimization potential and improve your sustainability performance.

We approach your sustainability challenges as partners and work together to create individual, digital and efficient solutions for your company.

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