

CARBON FOOTPRINT



"If the whole world lived like us Germans, we would need the resources of three planets."

Prof. Meinhard Miegel



Carbon footprinting

Carbon footprinting refers to the identification of the type and amount of greenhouse gas emissions generated by business activities, manufacturing or the private sector.

Generally accepted standards are used as benchmarks for the precise identification of emissions and as guidelines for the procedure.

For both individuals and companies, for organizations and public institutions, the CO₂ footprint is an excellent tool for throwing light on own climate-relevant activities in the context of energy consumption and then, based on the outcome, making decisions about energy-enhancing measures, climate strategies and future business objectives.

The calculation of the CO₂ footprint of your products also enables you to identify climate-related risks and in particular existing and potential competitive advantages along your entire value chain.

Your benefits

Your commitment to climate change mitigation helps to accomplish other business objectives, as well:

- Efficiency increase in internal processes
- Hot spot analysis for identification of climate risks
- Implementation of internal mitigation measures
- Association of the company, the brand or the product with commitment to climate protection
- Building up a new customer retention instrument
- Competitive advantage
- Positive communication with stakeholders

Our claim

When calculating your carbon footprint, we consider:

- Adherence to generally accepted standards and comprehensive and coherent classifications of all involved processes
- Use of adequate and transparent data
- Use of emission factors and benchmarks from official and approved sources (e.g. GEMIS, ecoinvent)
- Quality assurance through accuracy, consistency and verifiable data





The calculation of carbon footprints serves as a starting point for the development of climate strategies.

Our services

Carbon footprints of

- Companies and public institutions (corporate carbon footprint – CCF)
- Products and services (product carbon footprint – PCF)
- Events and trade fairs

Determining your carbon footprint

- Defining the system extent
- Researching emissions factors
- Calculation by an online tool or based on Excel
- Compiling a report
- Support in external verification
- Monitoring emissions on a regular basis
- Developing a climate strategy
- Identifying the internal emissions reduction potentials and possibilities for exploitation
- Developing your company-internal offsetting strategy
- Benchmarking
- Communicating your measures (external and internal)
- Employee motivation

Selected references

Corporate Carbon Footprints (CCF):

- Emsland Group
- Bavarian State Ministry of the Environment and Consumer Protection
- Indus Holding
- Lanxess
- Schwan-STABILO Cosmetics
- Stadtwerke Augsburg
- State administrations of Hesse, Baden-Württemberg and Thuringia
- Uniper

Product Carbon Footprints (PCF):

- aqua concept (
- Bayer und Lanxess (diverse Chemieprodukte)
- Emsland Group (diverse landwirtschaftliche Produkte)
- Enovos, RhönEnergie Fulda, ESB, Wingas, BS Energy (klimaneutrale Erdgasprodukte)
- Schlagmann Baustoffwerke (eine Ziegelsorte)

Carbon Footprints of events:

- Allianz Beratungs- und Vertriebs-AG
- AMG Driving Academy
- Covestro Deutschland AG
- UniCredit Group

Workshops

- Climate-KIC/ Provadis
- Euroforum
- State administrations of Rhineland-Palatinate and Saxony-Anhalt

