

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

Ausgewählte Referenzen

Corporate Carbon Footprints (CCF):

- Compilation of Corporate Carbon Footprints and Product Carbon Footprints of around 50 companies and products, e.g. for products of the steel, chemical, ceramic, food and cosmetic industry as well as of services, plant construction, fuels and consumable supplies
- Bavarian State Ministry for Environment and Consumer Protection: Elaboration of the CO₂ opening balance and reduction potentials as well as supporting the carbon offsetting of CO₂ emissions of 2018
- Support of the State capital of Munich with implementation of its integrated climate protection programme (IHKM) 2015 + 2018: Workshops series for definition of climate protection goals for different action fields as well as calculation and prognosis of CO₂ effects of climate protection measures
- Lanxess: research of emissions factors; calculation of CO₂-emissions of all transport movements with FutureCorp's logistics module (downstream, various means of transport)
- Uniper: creation of a tool for calculation the corporate carbon footprint of the whole Uniper group, support in the calculation of the CCF, execution of workshops concerning the CCF and to adapt the corporate climate strategy due to the groups realignment
- State administrations of Baden-Württemberg, Bavaria, Freie und Hansestadt Hamburg, Hesse and Thuringia: creation of CO₂ opening balances, development of the potential and the path for reduction to attain climate neutral state administrations
- Climate-KIC/ Provadis: Support of the Climate-KIC training program "Sustainability in the Chemical Industry concrete" through professional mentoring of companies participating in the creation of carbon footprints

