

# Carbon footprint verification

An independent assessment of greenhouse gases emitted during a specific period by a company or organization.



Social awareness of climate change **consequences due to greenhouse gas (GHG)** emissions has become a key aspect in business competitiveness.

More and more companies are investing their efforts in **assessing and reducing their carbon footprint** to improve their reputation and to generate mid and long-term savings.

## WHAT IS CARBON FOOTPRINT VERIFICATION?

---

Thanks to **carbon footprint verification** companies can assess the amount of greenhouse gas emissions during the execution of their activities and **demonstrate their commitment to mitigating climate change effects**. Verified emissions can be either direct, for example generated by production operations or indirect, such as those caused by transporting goods or traveling. It is up to the organization to define both the verification frequency and the elements that must be measured.

Verifications can only be valid if they're carried out by an independent entity such as **Applus+ Laboratories**, accredited to perform a **variety of carbon footprint verification services**, including:

## CORPORATE CARBON FOOTPRINT VERIFICATION

---

This type of service is aimed at **all type and size companies** hoping to obtain a Greenhouse Gas Emissions Report verification from a third party, in order to register their carbon footprint levels on national or regional reports. Carbon footprint verification is especially valuable for organizations hoping to **gain access to grants** and contracts from the public administration, since it could be a requisite.

## PRODUCT CARBON FOOTPRINT VERIFICATION

---

The **Product Carbon Footprint (PCF) verification**, as defined by ISO 14067, measures the greenhouse gas (GHG) emissions generated throughout a product's life cycle, from raw material extraction to disposal. This calculation helps identify critical emission points within the value chain, allowing companies to implement effective reduction strategies. To ensure accuracy, businesses must clearly define the system's boundaries, choosing between a **"cradle-to-gate"** approach (up to factory exit) or a **"cradle-to-grave"** assessment (full life cycle).

PCF verification benefits various organisations, including **agro-food businesses, companies operating in international markets, and entities seeking additional environmental certifications** like EMAS or Eco-design. The verification process strengthens consumer and business partner confidence by providing transparent environmental impact data. It also helps companies **identify key emission sources**, comply with environmental regulations, and establish **environmental labelling schemes** to inform consumers about sustainability efforts.

## WHAT BENEFITS CAN COMPANIES RECEIVE WITH CARBON FOOTPRINT VERIFICATION?

---

- Knowledge about the actual volume of greenhouse gas emissions due to their operations.

- An increase in business opportunities with both private and public entities.
- Better brand reputation among clients, users, investors and consumers due to the company's concern for climate change effects and their pledge to display public and truthful information.
- A boost in employee motivation due to the company's environmental commitment.
- Mid and long-term savings
- A chance to establish pillars from which to set future emission reductions and/or compensation targets.
- Compliance with current and future greenhouse gas regulations.
- A reinforcement of social and environmental commitment from the organization
- A means to prepare the organization to effectively transition to a circular economy.

## WHY CHOOSE APPLUS+ LABORATORIES FOR VERIFICATION?

---

Applus+ Laboratories is an esteemed independent entity that helps organizations meet their commitment to ongoing improvement. We carefully analyse client needs to ensure that our auditors and area specialists can provide the maximum value while assessing the organization's compliance.

Our teams develop specific certification plans based on our client's structure, processes and activities. Our international presence, extensive product portfolio and accreditations enable us to provide a global, expert-skilled service fit to meet tailored needs.