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Carbon Footprint Calculator

The Applus+ carbon footprint calculator is a web-based platform that enables organizations to calculate, manage, and continuously update the contribution of their GHG emissions across Scope 1, 2, and all Scope 3 categories directly, without outsourcing the calculation process.

It automates the contribution of an organization's greenhouse gas (GHG) emissions — replacing manual spreadsheet-based calculations with a structured, governed, and continuously updatable system.

Clients input their activity data into the platform; Applus+ maintains the emission factors and calculation algorithms, and updates them in alignment with recognized international sources.

The result is a governed, auditable, and verification-ready carbon footprint dataset, available at any time and fully traceable for registry submission, ESG reporting, and decarbonization planning.

Unlike a one-off consulting engagement, our **GHG calculation software** enables organizations to maintain their carbon footprint in real time, track progress against reduction targets, and produce audit-ready reports on demand.



THE Applus+ SOLUTION

Who is the Carbon Footprint Calculator for?

The Applus+ platform is specifically designed for **organizations that need to manage their carbon footprint independently, with Applus+ providing the technical infrastructure, emission factor maintenance, and methodology governance. At the same time,** the client controls their own data, timelines, and reporting cycles.

- **Organizations required to report their carbon footprint regularly,** by clients, supply chain requirements, public tenders, or ESG frameworks.
- **Companies that need to involve their suppliers in carbon footprint calculations,** providing supplier access to the platform for homogeneous, auditable calculations under a consistent methodology.
- **Organizations with multisite operations** that need consolidated carbon footprint data across multiple locations.
- **Small, medium, and large enterprises** across all sectors, as well as public administrations at the local, regional, or national level.
- Organizations that have completed a consulting-led carbon footprint assessment and want a cost-efficient platform for ongoing annual updates.

How to compute your carbon footprint with the Applus+ software

- Client inputs activity data (energy consumption, fuel use, travel, procurement, waste, and other emission sources) directly into the web platform.
- Applus+ maintains emission factors and calculation algorithms, updated continuously from recognized international sources, ensuring results are always current.
- The platform calculates GHG emissions automatically across Scope 1, Scope 2, and all Scope 3 categories, applying the appropriate factors and methodologies.
- Results are processed into dashboards, historical comparisons, inter-site breakdowns, and exportable reports.
- The client reviews, validates, and uses the data for internal reporting, third-party verification, registry submission, or ESG disclosure, at any time.

Complete Scope 1, 2, and 3 Emissions Coverage

The platform covers the full scope of GHG emissions for organizational carbon footprints:

Scope 1 — Direct Emissions

Combustion in stationary sources (boilers, furnaces, generators), mobile sources (company vehicles, machinery), fugitive emissions from fluorinated GHGs (F-GHGs), and process-specific emissions.

Scope 2 — Purchased Electricity

Indirect emissions from purchased electricity consumed at fixed and mobile sources.

Scope 3 — Value Chain Emissions

- Indirect combustion and fugitive emissions in the value chain
- Purchased goods and services
- Upstream and downstream transportation and distribution
- Lifecycle emissions of purchased fuels and waste
- Business travel and hotel stays
- Employee commuting (in itinere) and remote working (home office)
- Process-specific indirect emissions

Key Features of the Applus+ Carbon Footprint Calculation Platform

- **Automated calculation:** activity data input drives automatic GHG results; no manual spreadsheet formulas or calculation errors.
- **Always up to date:** emission factors and algorithms maintained by Applus+, aligned with current recognized international sources.
- **Multisite and multi-user:** multiple sites and users with differentiated access levels: data entry by site, corporate-level results view, multi-organization supervision for supply chain programs.
- **Modular design:** new emission sources and custom functionalities can be added as requirements evolve.
- **BI dashboard:** visual summary of emissions by scope, source, site, and period; trend analysis and inter-site comparisons.
- **Exportable results:** data available in structured formats for integration into sustainability reports, ESG disclosures, and client or tender requirements.
- **Third-party verification ready:** GHG emissions reports formatted for external verification in accordance with ISO 14064-1:2018 and GHG Protocol.
- **Carbon registry submission:** data and documentation structured for submission to national carbon registries.
- **Document repository:** storage of supporting documentation (invoices, delivery notes, work orders) linked to emission entries for full audit traceability.
- **Advanced features:** uncertainty calculation, biogenic emission differentiation, carbon sink and sequestration accounting, country-specific emission factors.
- **Integration capability:** activity data can be fed directly from existing corporate applications.
- **Reduction planning module:** definition of emission reduction objectives, selection of reduction measures from a maintained catalog, modeling of expected reductions, and progress tracking.

Standards and Compliance

The Applus+ carbon footprint software is aligned with the following international standards and frameworks:

- ISO 14064-1:2018 Organizational-level GHG quantification and reporting; results formatted for third-party verification.
- GHG Protocol Corporate Standard. Scope 1, 2, and 3 definitions and accounting methodology.
- National carbon registry requirements: data structured for submission to applicable registries (e.g., MITECO in Spain and equivalent bodies in other jurisdictions).
- EU CSRD and sustainability reporting frameworks: exportable data compatible with corporate sustainability disclosure requirements.

Why Choose the Applus+ Carbon Footprint Calculator?

- **Client autonomy:** your team manages your own GHG data, timelines, and reporting cycles, without depending on external consultants for every update.
- **Always-current emission factors:** maintained by Applus+ specialists, eliminating the risk of using outdated factors or incorrect methodologies.
- **Verification-ready from day one:** reports formatted for ISO 14064-1 third-party verification and national registry submission.
- **Scalable:** from a single-site SME to a multinational with hundreds of locations and supplier networks.
- Backed by expert consulting: when your organization needs strategic advice, product footprint calculation, LCA, SBTi, or net zero planning, Applus+ consulting services are available as a complement.
- Cost-efficient for ongoing monitoring — a single platform replaces annual consulting fees for routine carbon footprint updates.

Carbon Footprint Calculator vs Carbon Footprint Assessment Services: Which one to choose

Applus+ offers both a **carbon footprint calculation software** platform and **carbon footprint assessment services.** The right choice depends on your organization's needs:

- **Carbon footprint calculator:** the client manages their own GHG calculation process using the Applus+ platform. Applus+ provides the technical infrastructure, emission factors, and methodology governance. Best for organizations that want autonomy, continuous monitoring, and cost efficiency, with results that remain verification-ready.
- **Carbon footprint assessment and consulting services:** Our experts conduct the full calculation, analysis, and decarbonization planning on behalf of the client, applying

specialist methodology, sector knowledge, and strategic advice. Best for complex calculations, first-time assessments, product footprints (ISO 14067), LCA, science-based targets (SBTi), or net zero strategy.