



Climate change -
time to act.

T O O L S

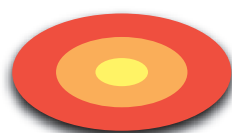
The Bilan Carbone[®] method

For assessing greenhouse gas emissions



Photo Astorg-Delatouche / ADEME 1995

First released in 2004 in France, the Bilan Carbone[®] method has been regularly updated since then. Version 3 is now available in english.



BILAN CARBONE[®]

With standard features included in version 3 users can :

- calculate emissions for the emission allowance trading scheme under EU directive n°2003/87/EC,
- sum up the relevant fraction of «added emissions» through out a manufacturing process,
- comply with the future ISO14064 standard when reporting emissions.

All human activities generate, directly or indirectly, greenhouse gas (GHG) emissions, because all modern activities rely directly or indirectly on fossil fuel use. As these fuels are subject to depletion and modify the climate, all industrial and service companies, government agencies and not-for-profit groups should assess their emissions, because these emissions are a good indicator of their global pressure on the environment. Sooner or later, this global pressure will translate into extra costs.

The Bilan Carbone[®] method is a simple and effective solution for ranking emissions by source and for launching a dynamic emissions reduction process.

What is the Bilan Carbone[®] method?

Bilan Carbone[®] is both a tool and a methodology.

- The main component of the tool is a ready-to-use Excel spreadsheet that calculates the emissions caused by all the processes necessary for the existence of a given activity. Space heating, combustion for manufacturing processes, freight shipments, passengers travel, production of raw materials used, waste treatment... To take these items into account, simply fill in the spreadsheet with energy consumption figures, kilometres travelled, quantities of materials purchased, etc. For each source of CO₂ or other greenhouse gases, these data are then converted by the spread sheet into the amount of carbon emitted, using fully documented emission factors.
- The reduction process is based on the results obtained with the spreadsheet. With these in hand, users can establish an action plan to be implemented in order to reduce GHG emissions, launching the process to reduce energy dependence.

What is to be gained by conducting a Bilan Carbone[®] inventory?

Beyond recording emissions, the Bilan Carbone[®] inventory goes hand in hand with environmental management, by :

- raising employees and companies awareness of climate change and fossil fuel depletion,
- setting priorities for emissions reductions,
- building increased capacity to react in an uncertain world,
- defining, implementing and monitoring reduction measures in the short and long term.

Whether you want to anticipate new regulations concerning GHG emissions, or master fluctuating fossil energy costs, the Bilan Carbone[®] assessment will enable you to evaluate your company's exposure, or even vulnerability, pertaining to these two variables that are so important for the development of corporate activity. Now is the time to join the ranks of the one-hundred-plus companies that have already used Bilan Carbone[®].

Conducting a Bilan Carbone® inventory

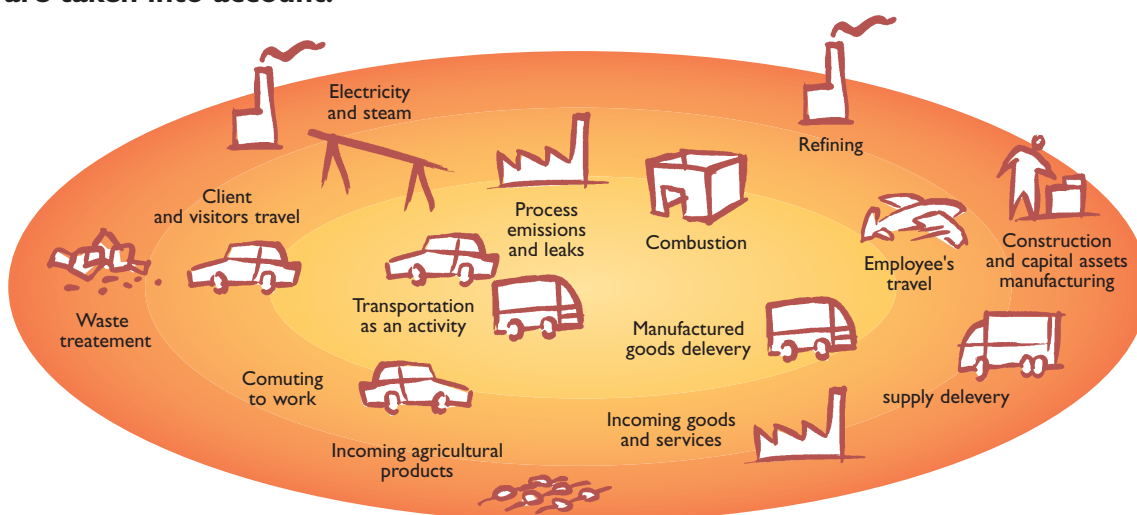
The Bilan Carbone® method is available to users via two pathways :

- licences are granted to all participants in Bilan Carbone® training sessions organized by ADEME. Roughly ten training sessions are held annually.
- companies can hire a consultant who has completed the course of training. Located in France companies can apply for financial support from ADEME when they do so.

Over 150 consultants (some fluent in English, of course) are already qualified and ready to help your company in this process. The full list, including contact information, is available on-line at www.ademe.fr/bilan-carbone.

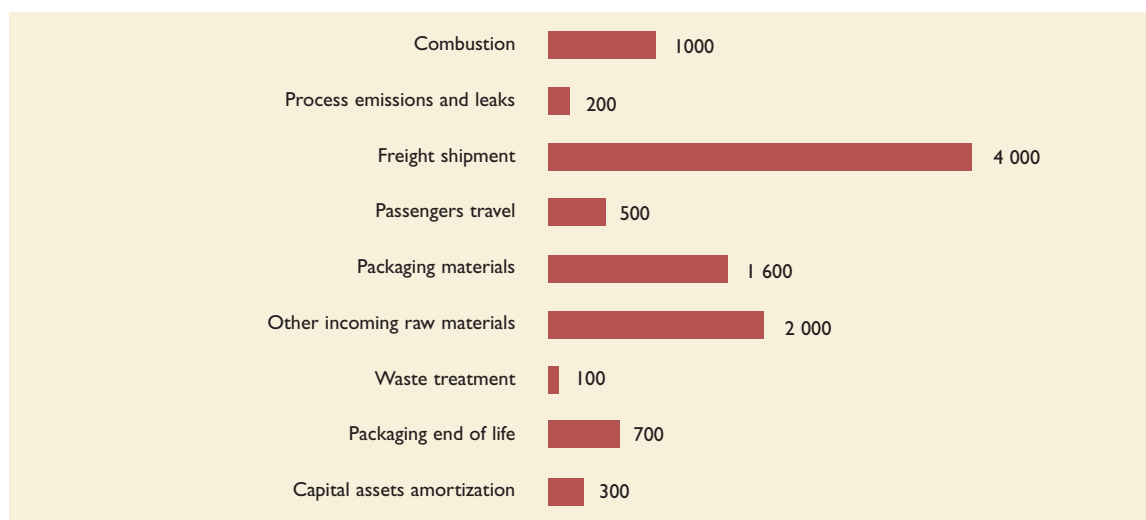
What emissions are assessed ?

All direct or indirect emissions (CO₂ or other greenhouse gas) of the company are taken into account.



Exemple of bar chart giving the results (emissions by source in tonne carbon equivalent)

All the documents describing the methodology (general rules, emission factors...) are available on-line at www.ademe.fr/bilan-carbone



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**For further information
contact ADEME
at www.ademe.fr**

