



GaBi 5:

# Databases'11 – the fuel to drive product sustainability



9 of the Top 10 Green Brands 2011  
rely on PE product sustainability solutions\*

\*[Interbrand's Best Global Green Brands ranking 2011](#)

**Understanding the environmental impacts over the full life cycle of your product or process is an important step towards achieving quantifiable, verifiable results in improving sustainability. But, a life cycle assessment is only as valid as the data used in it. With GaBi Software you have the unique choice to combine GaBi Databases, created by PE INTERNATIONAL, with other commercial databases and regional content such as eco-invent, US LCI, ELCD and others.**

## **Breadth**

GaBi Databases are the largest internally consistent LCA databases available on the market today. We offer over 4,500 datasets based on the most accurate information from industry, associations, public bodies and PE Know how.

Datasets available to use in GaBi Software span most industries including:

- Agriculture
- Building & Construction
- Consumer Goods
- Energy & Utilities
- Healthcare & Life Sciences
- Metals & Mining
- Retail
- Textiles
- Automotive & Transportation
- Chemicals & Materials
- Electronics & ICT
- Food & Beverage
- Industrial Products
- Oil & Gas
- Service Sector



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### Always Up-to-date

In our global economy, new products, processes, raw material options and manufacturing methods are routinely introduced. PE has a unique annual upgrade program: every year, we fully refresh all contents in the GaBi Databases.

### Consistency

PE INTERNATIONAL takes pride in creating consistent data so you obtain reliable LCA results. We ensure individual datasets are comparable by using consistent methods and boundaries in their construction. This means you can use datasets seamlessly together in your model, removing the time needed to check for system boundary inconsistencies.

### Depth and Quality

Development of the GaBi Databases began over 20 years ago and continues today with the same momentum and attention to detail. More than 60 PE life cycle experts from over 20 countries contribute to the development of GaBi Databases which are validated by the Fraunhofer Institute for Building Physics in Stuttgart, Germany.

### Ready-to-Use Data

GaBi datasets include both aggregated and unit process datasets. Underlying over 4,500 aggregated datasets are thousands of pre-modeled subsystems based on real-world data. Using aggregated datasets with comparable underlying processes saves modeling time while ensuring reliable results.

### Basic Building Blocks

Modeling in GaBi offers the flexibility to create your own subsystem. This allows users to enter their own unit processes describing their own operations step-by-step (foreground system) at every level of detail. Combining the foreground models with the ready-to-use aggregated datasets ensures an efficient completion of product life cycle models.

### The Complete Picture

How you achieve actionable, reliable results with GaBi:

## GaBi 5 DATABASES & SOFTWARE

DATA	IMPACT ANALYSIS		SCENARIOS & REPORTING	
GaBi Databases	Global Warming	TRACI	i-report creator EPDs Scenario Analysis Templates	GaBi Reader (optional) Visualize Improve Report
Ecoinvent	Energy Demand	CML		
US LCI	Acidification	ECO-Indicator		
European LCD	Smog	EDIP		
	Eutrophication	Impact 2002+		
	Ozone Depletion	USETox		
		RECIpe		

- 1) Use GaBi Software and the database of your choice to model your system and pick the datasets that best represent what you are modeling.
- 2) Evaluate the total inventory and the impacts using the impact categories and the related methodology of your choice including the ones shown here and others.
- 3) Create standard LCA reports or interactive reports (i-report) with the included i-report creator to visualize your results, analyze what-if scenarios to improve on your product or process and share results with stakeholders.
- 4) Enable stakeholders to modify parameters in your models with optional GaBi Reader, the intuitive and interactive design tool for LCA starters.

### Need even more data?

Should you need a customized dataset not found in common databases, utilize PE INTERNATIONAL's broad range of sector expertise to create a database to suit your needs with our unique data-on-demand service.

**Databases '11 – the fuel to drive product sustainability with confidence.**