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# #byCODDE

## EIME software: Looking back on 2020!



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## WHAT'S NEW FOR 2020

by Etienne LEES PERASSO

Released in 2011, the 5th version of the EIME software continues to grow. Taking into account the needs of our users and the latest methodological developments is at the heart of our concerns.

The year 2020 was an opportunity to provide our users with 1 new indicators set and 3 new database versions (CODDE®, ecoinvent and Base IMPACTS®). To facilitate your modeling, we have also updated our best practice manuals.

This #byCODDE newsletter presents all the news for 2020. We hope you enjoy reading it!



## INDICATORS SET « EN 15804+A2 / PEF »

The EIME software has a new set of indicators. Based on the EN 15804 + A2 October 2019 standard, this set of indicators allows EIME users to take into account the latest methodological advances in environmental declaration programs and standards.

### For which use?

Selected by the European Commission, these indicators are intended to constitute a reference for LCA studies. And also to standardize the impact results for:

- The International EPD® System for PCR based on EN 15804+A2 (concerns the majority of PCRs including the building sector)
- European environmental labeling (PEF/OEF)
- French environmental labeling

The majority of European environmental declaration programs converge on the use of these indicators. This is particularly the case with the PEP ecopassport® program (2021) and the FDES / INIES program (2023).

***"The indicators set « EN 15804+A2 / PEF » is intended to constitute a reference for LCA studies"***

While most of these programs are currently in a transitional phase, you can now use and appropriate these new indicators to anticipate future developments.

These indicators will allow you to go further in understanding the impacts of your products and services by integrating new categories. Fine particles, human toxicity and natural environments, water scarcity, etc. But also by making it possible to carry out standardization and weighting, which will guide you in your choices of eco-designed solutions.



## ecoinvent V3.6 DATABASE

Since April 2015, LCIE Bureau Veritas offers its customers the opportunity to perform their Life Cycle Assessment using the ecoinvent database, one of the most recognized databases in the world. Today, EIME software includes a new version of ecoinvent.

### What's new in version 3.6?

The new version of the ecoinvent database features more than 2,200 new and 2,500 updated datasets related to agriculture, building and construction materials, chemicals, electricity, fishing, metals, refineries, textiles, tourism, transport, waste treatment and recycling, and water supply.

In addition, ecoinvent expands its geographical coverage on numerous countries and regions not covered before, such as Brazil, Colombia, Ghana, India, Peru and South Africa.

In total, EIME software contains over 16,000 ecoinvent data.

### Why use ecoinvent?

The ecoinvent database has environmental data on multiple sectors.

You can use it to carry out your Life Cycle Assessments and your product environmental declarations (PEP ecopassport®, FDES and EPD® System declaration).

***"EIME software contains over 16,000 ecoinvent data"***



# IMPACTS® V2.01 DATABASE

Since 2016, LCIE Bureau Veritas offers its customers the opportunity to perform their LCA studies with Base IMPACTS®. The EIME software now integrates the latest version of Base IMPACTS®.

## What's new in version 2.01?

In order to comply with the latest recommendations from the European Commission, ADEME recommends the use of new environmental indicators. This version of Base IMPACTS® takes into account the consistency of inventory data with these new indicators. Concretely, the characterization methods are thus moving from the "ILCD 2011" version to the "EF reference package 3.0" version developed by the European Commission as part of the "Environmental Footprint" program (PEF / OEF). In the EIME software, Base IMPACTS® is to be used with the indicators set "EN15804 + A2 / PEF".

This version of Base IMPACTS® also includes nearly 800 new inventory data. They mainly come from the Eco-Systèmes / Recylum (ESR) database on the end of life of electrical / electronic equipment.

## Environmental labeling: what is the regulatory context?

Developed and managed by ADEME, Base IMPACTS® is used to calculate environmental scores within the framework of French environmental labeling.

Included in the law of August 18, 2015 on energy transition for green growth, this approach governs the approaches of manufacturers and distributors wishing to make the environmental performance of their products available to consumers.

Today, Article 15 of Law No. 2010-105 on the fight against waste and the circular economy officially establishes a voluntary environmental and/or social labelling system. It is also launching an 18-month experiment, from February 2020 to the end of August 2021. This will be followed by a report sent to the French Government, including a feasibility study and a socio-economic assessment. On the basis of this report, a decree defining the methodology and the display methods will be published.



# CODDE® 2020-12 DATABASE

Developed by LCIE Bureau Veritas, the CODDE® database consists of a generic database and 3 sectoral databases (electromechanical, infrastructure and textiles). Today, the EIME software integrates the latest version of this database.

## What's new in the CODDE 2020-12 version?

The latest version of the CODDE® database contains over 125 new inventory data and major updates.

Semiconductor-type electronic components, as well as conventional LCD and touch screens have been updated to take into account the latest technological developments (more than 120 data). The modules have been revised to align with the calculation of the new EN15804 + A2 / PEF indicators, particularly on water and energy consumption (1,300 updates).

In total, the CODDE® database contains more than 4,170 inventory data. EIME users will have in January 2021 an automatic update of their database with the addition of a new workspace reserved for this database (CODDE 2020-12).

## For what uses?

The CODDE® database consists of environmental data developed and selected by LCIE Bureau Veritas in order to meet the needs of the majority of our users. You can use it to carry out your Life Cycle Analyzes and your product environmental declarations (PEP ecopassport®, FDES and EPD® System sheet). The CODDE® database is the most used database for producing PEP ecopassport® declarations.

**"CODDE®  
database contient  
plus de 4 170  
données"**



## NEW EIME DOCUMENTATION

Users of the EIME software have at their disposal a user manual and good practice sheets to help with modeling.

In 2020, LCIE Bureau Veritas created 1 new good practice sheet entitled "Eco-design". This sheet explains how to use the EIME software to eco-design your products or services.

We have also updated 6 best practice sheets:

- How to model plastic parts?
- How to model metal parts?
- How to model a surface treatment?
- How to model an electronic card?
- How to model a logistics flow?
- How to model a waste treatment?

To go further, the good practice sheet "How to model an electronic card? "Comes with 3 tools to identify electronic components, measure their mass and calculate the number of associated solder points.

***"The CODDE team is preparing the 6th version of EIME and other news that we will be happy to share with you in 2021. Happy New Year with EIME!"***

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**INNOVATION EVERY DAY  
SUSTAINABILITY FOREVER**