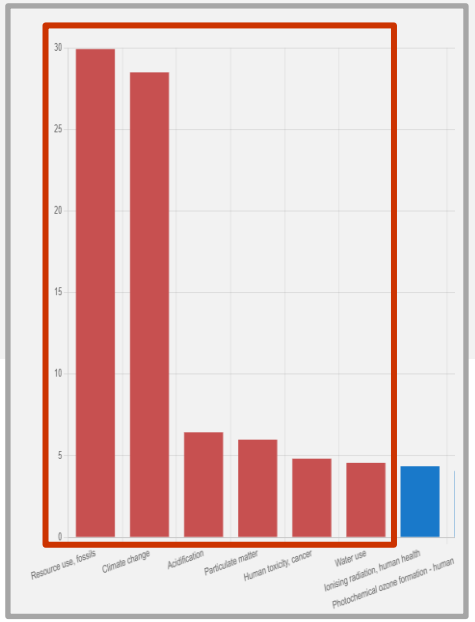
Thank you for your presence,
Presentation starts at 10:02 a.m.

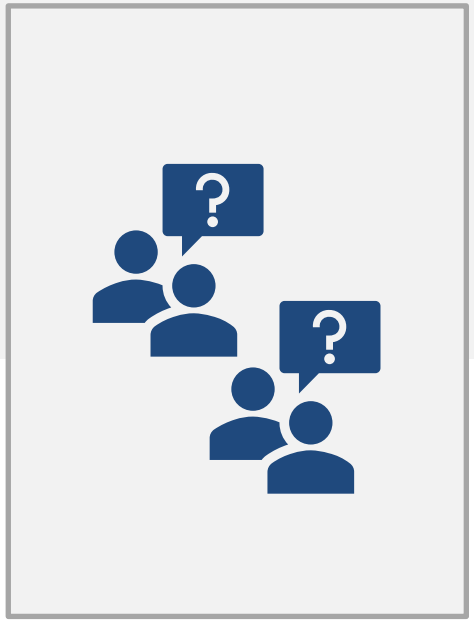
WEBINAR: EIME – WHAT'S NEW

eime

LCIE

SUMMARY





01

A look back at the major changes to EIME since the release of version 6

02

Presentation of the 2 latest features developed: normalization/weighting and parameters

03

What's new in the CODDE® 2025-04 database

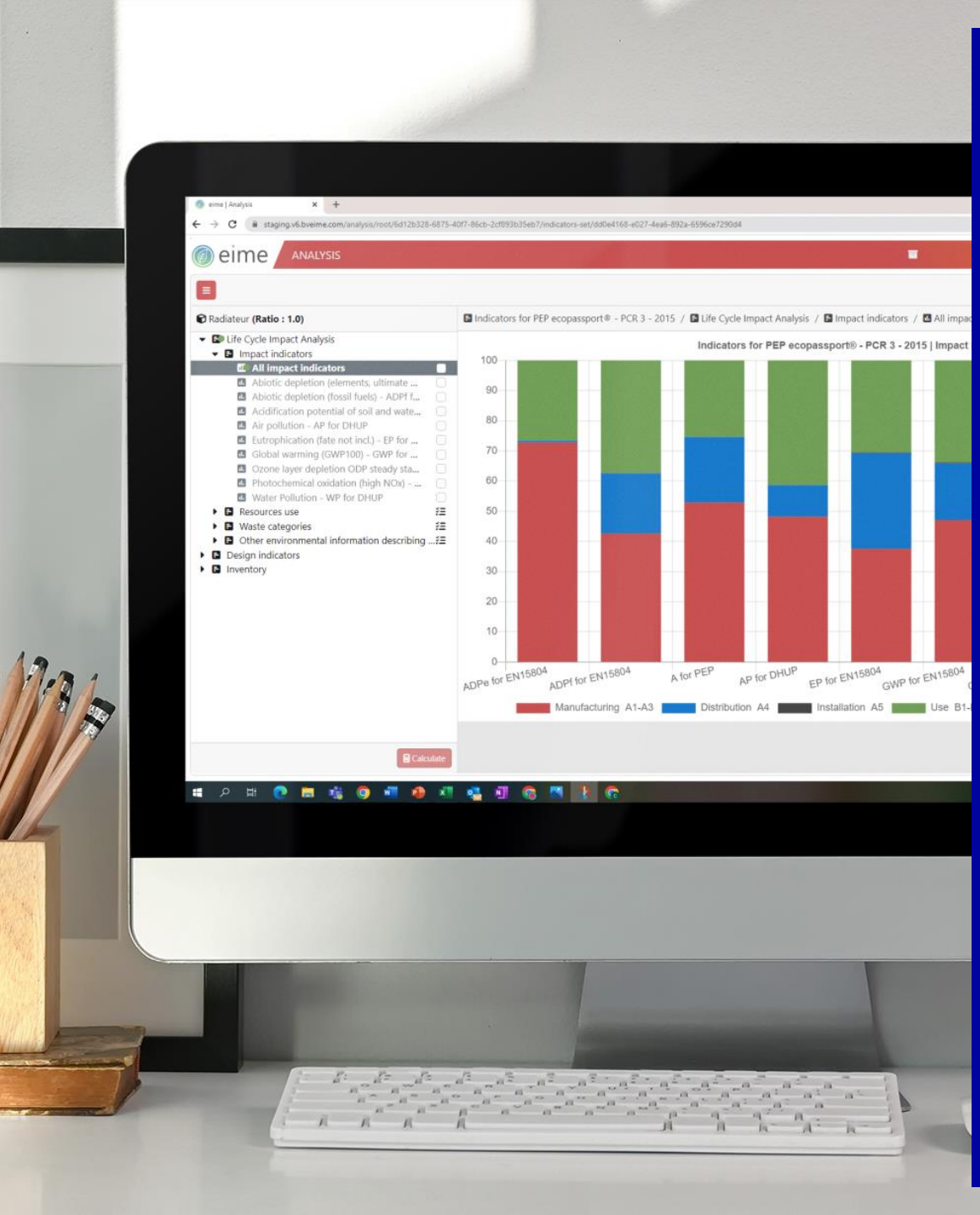
04

All'in PEP:

Simplified PEP Ecopassport® implementation tool

05

Conclusion and answers to your questions



BUREAU VERITAS 1828

L C I E

A look back at the major changes in EIME v6

EIME 6.0

February 2023 to October 2023
From v6.0.0 to v6.0.6

EME VERSION 6 RELEASED

The first few months of development have been focused on improving core functionality and fixing bugs.

We've also been working to improve performance: fluidity of navigation, speed of copy/paste, loading speed of results, etc.

ANALYSIS GRAPHS

Improvements to the display of graphs in the analysis interface, including:

- Better consideration of negative values
- Separate display of the results of module D

LINKED MODULES

Setting up variables to more easily reuse the quantities of the dataset at the origin of the link

Maintaining the link between dataset in the Excel design export

SEARCH FILTER

Improved filter usability: simplified and clarified activation and deactivation, filter reset

Added the ability to sort data by database (CODDE, ESR, Base Impact®, etc.)

EIME 6.1

October 2023 to April 2024
From v6.1.0 to v6.1.3

OPENING THE DATABASE INTERFACE

The release of EIME 6.1 made the database interface available to database manager licenses and allowed the resumption of dataset development work on the CODDE® database.

Work on performance improvements also continued over the duration of EIME 6.1

DATABASE

Database interface available

ADDING DATASET

Redesigned datasets addition interface to facilitate use of linked and configurable datasets

Addition of a search field to the list of energy mixes for configurable modules

ANALYSIS

Added warnings related to broken datasets

Improved tracking interface

EIME 6.2

April 2024 to March 2025
From v6.2.0 to v6.2.5

FEATURE DEVELOPMENTS

Version 6.2 of EIME saw the arrival of many new features: contact form, display of linked dataset, new methodology for calculating losses, addition of icons to identify data soon to be obsoleted, normalization/weighting, etc.

HOME PAGE

Creation of a Home Page

Implementation of a communication system integrated with EIME

Highlighting documentation updates

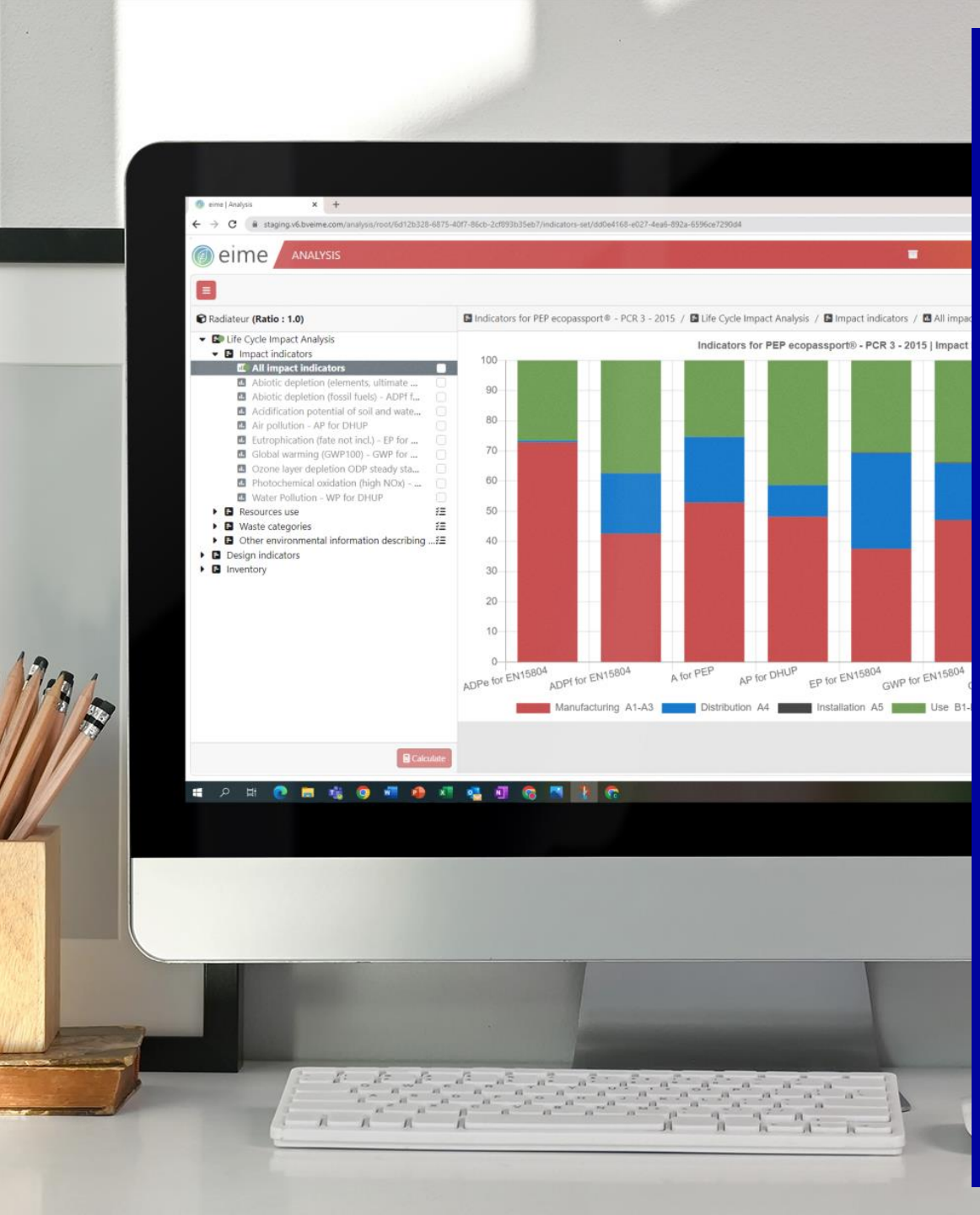
PEP EXPORT

The PEP export was created to allow users making PEP Ecopassport® declarations to import their results directly into the PEP platform.

DATABASE

Release of the PEF EF3.1 indicator set

Integration of biogenic carbon content calculation into EIME



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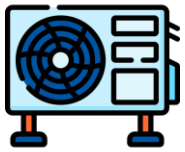
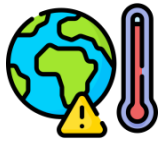
L C I E

Normalization / weighting

NORMALIZATION - GENERAL PRINCIPLE





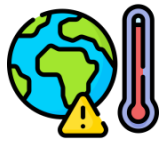
750 kg CO2 eq.

20 g SB eq.

100 m3 eq.

LCA Results

÷



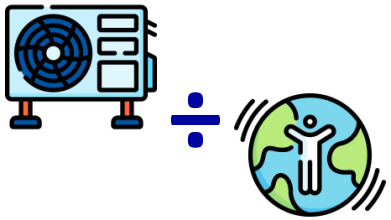
7 550 kg CO2 eq./year

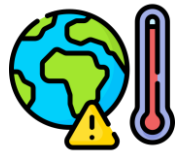
63 g SB eq./year

1 150 m3 eq./year

Normalization factors

=





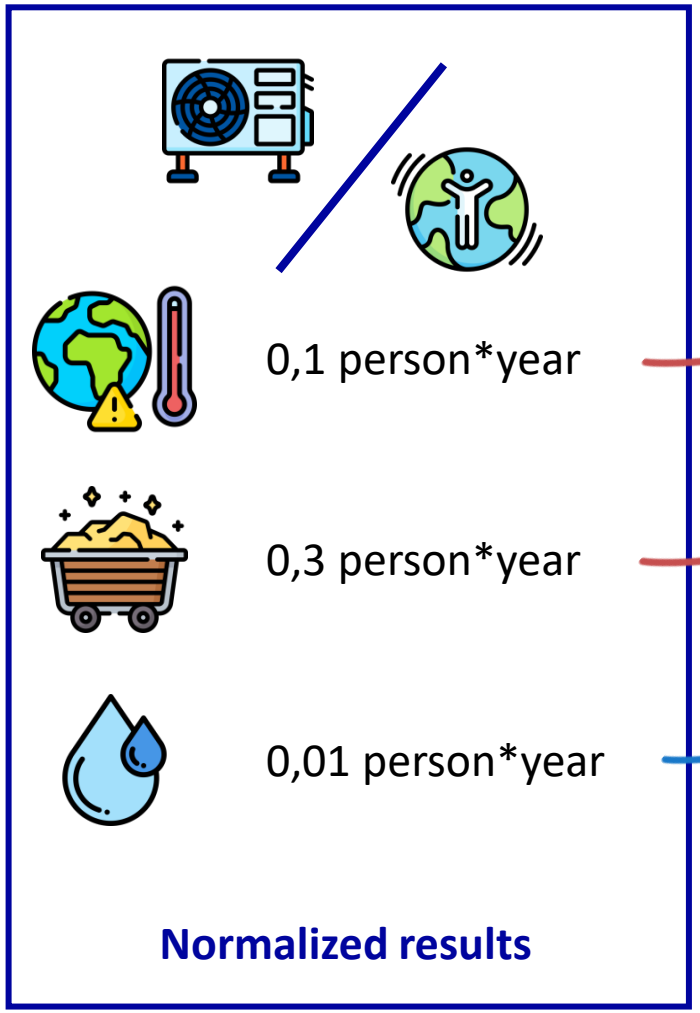
0,1 person*year

0,3 person*year

0,01 person*year

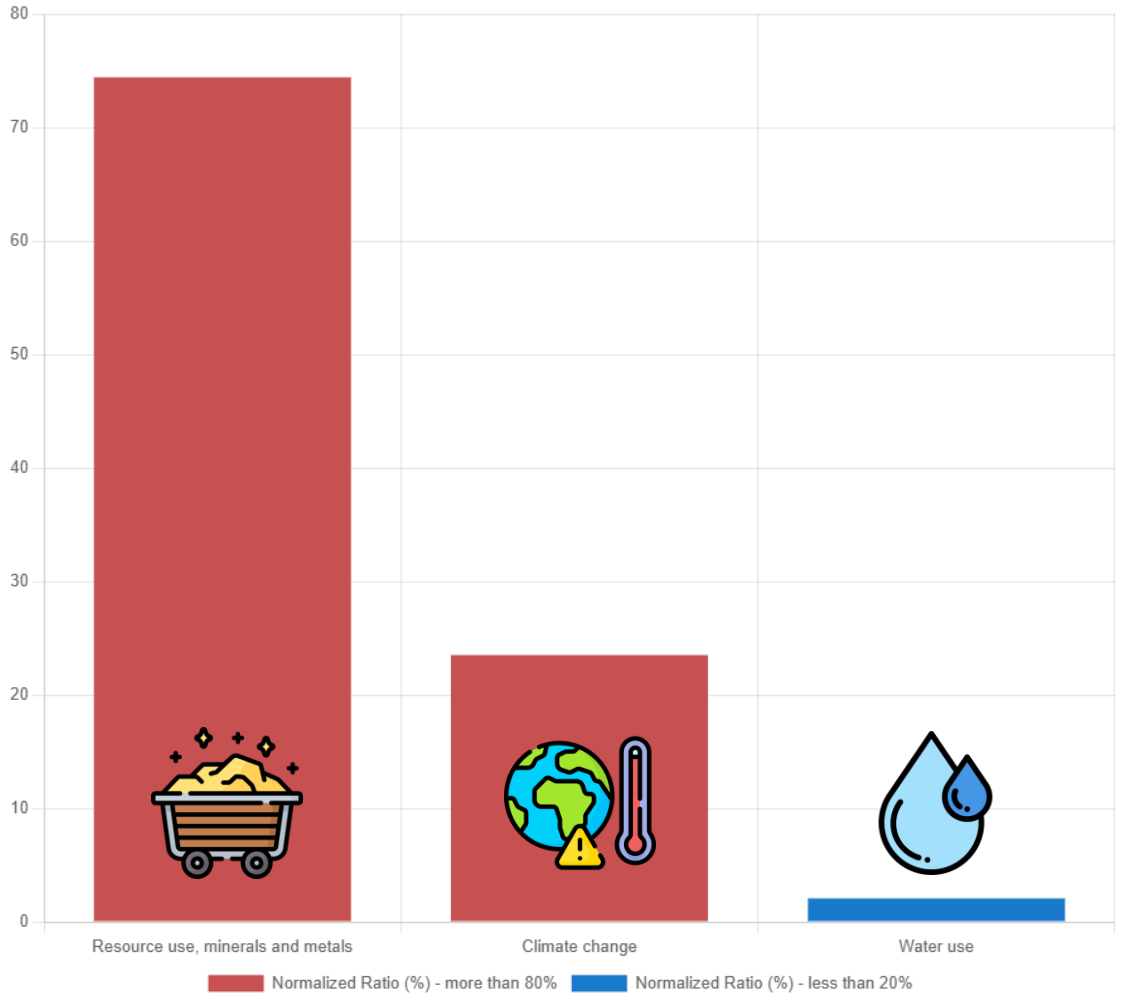
Normalized results

NORMALIZATION - GENERAL PRINCIPLE

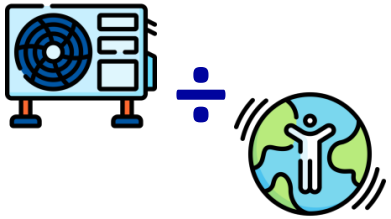


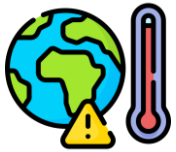
Relative importance of each indicator

$$\frac{0{,}1}{0{,}1 + 0{,}3 + 0{,}01} = 24\%$$



WEIGHTING - GENERAL PRINCIPLE





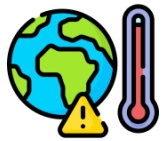
0,1 person*year

0,3 person*year

0,01 person*year

Normalized results

X



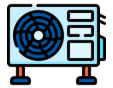
21,06 %

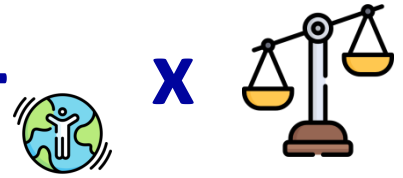
7,55 %

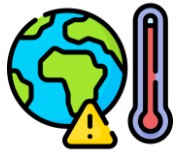
8,51 %

Weighting factors

=







0,0209 pts

0,0237 pts

0,0007 pts

Weighted results

WEIGHTING - GENERAL PRINCIPLE

0,0209 pts → 46%

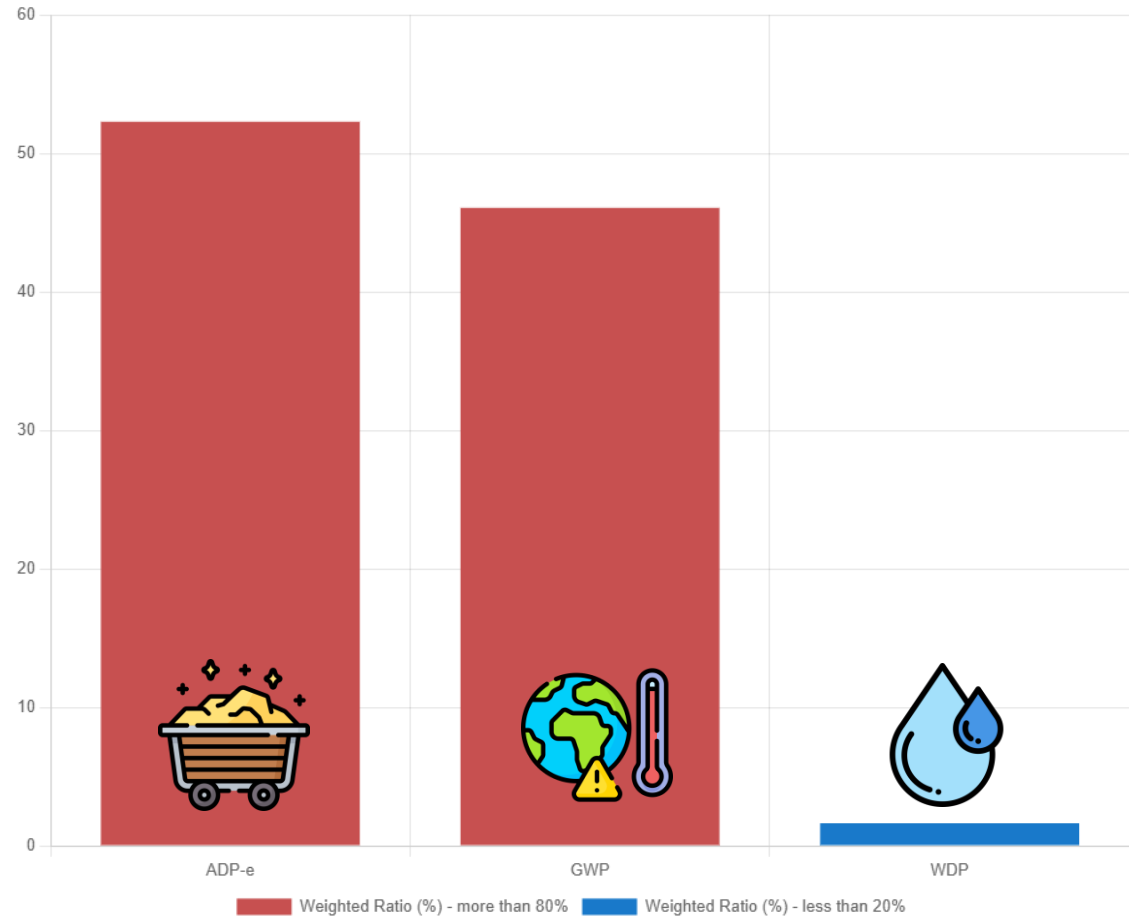
0,0237 pts → 52%

0,0007 pts → 2%

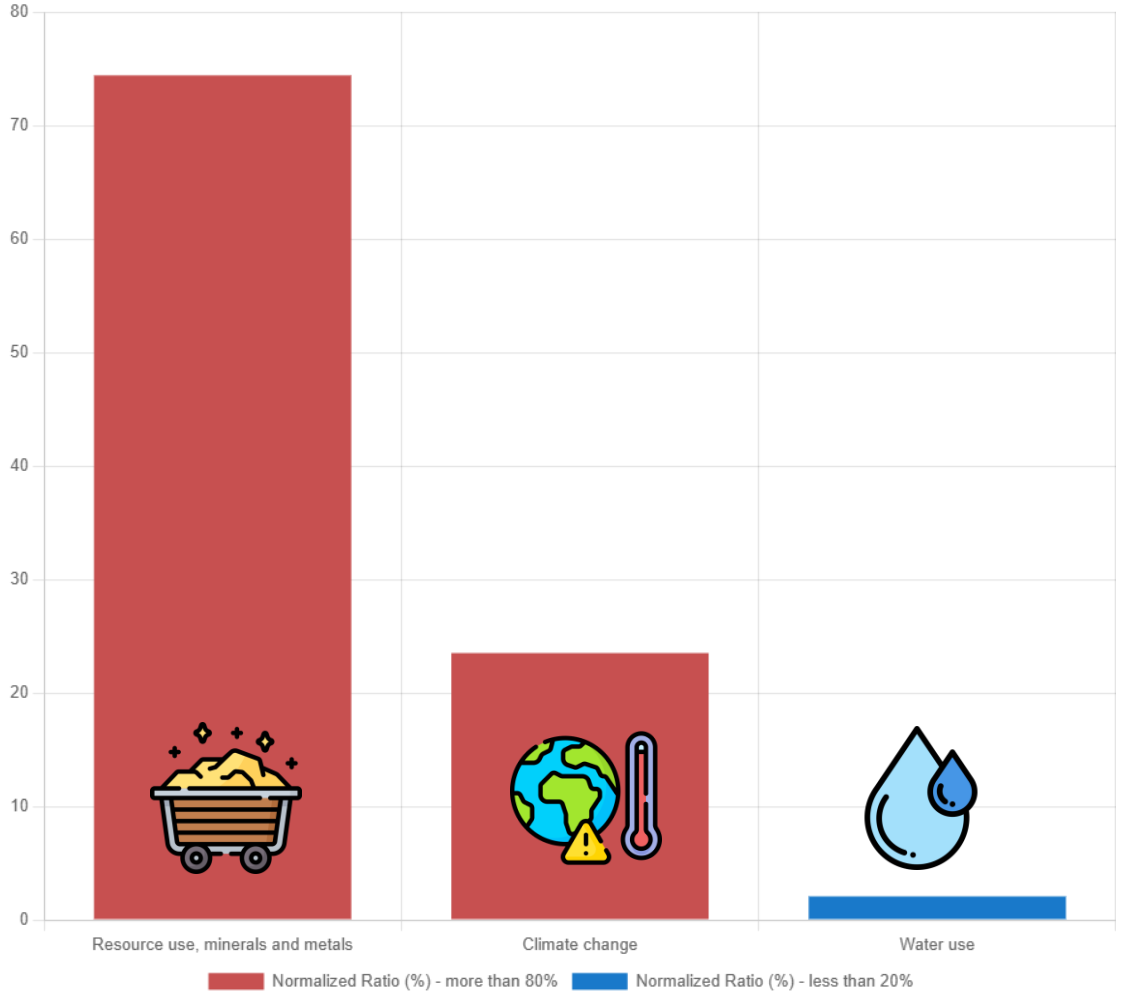
Weighted results

Relative importance of each indicator

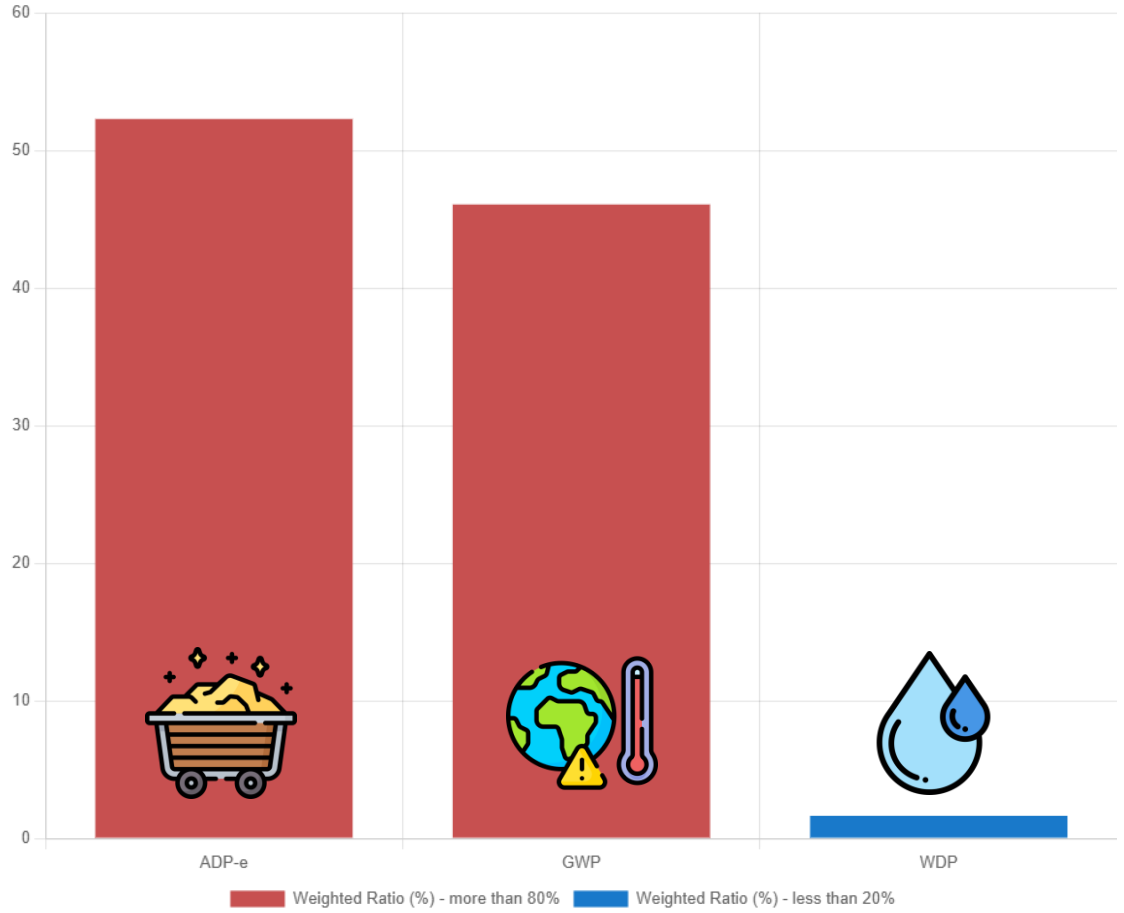
$$\frac{0{,}0209}{0{,}0209 + 0{,}0237 + 0{,}007} = 46\%$$



NORMALIZATION / WEIGHTING



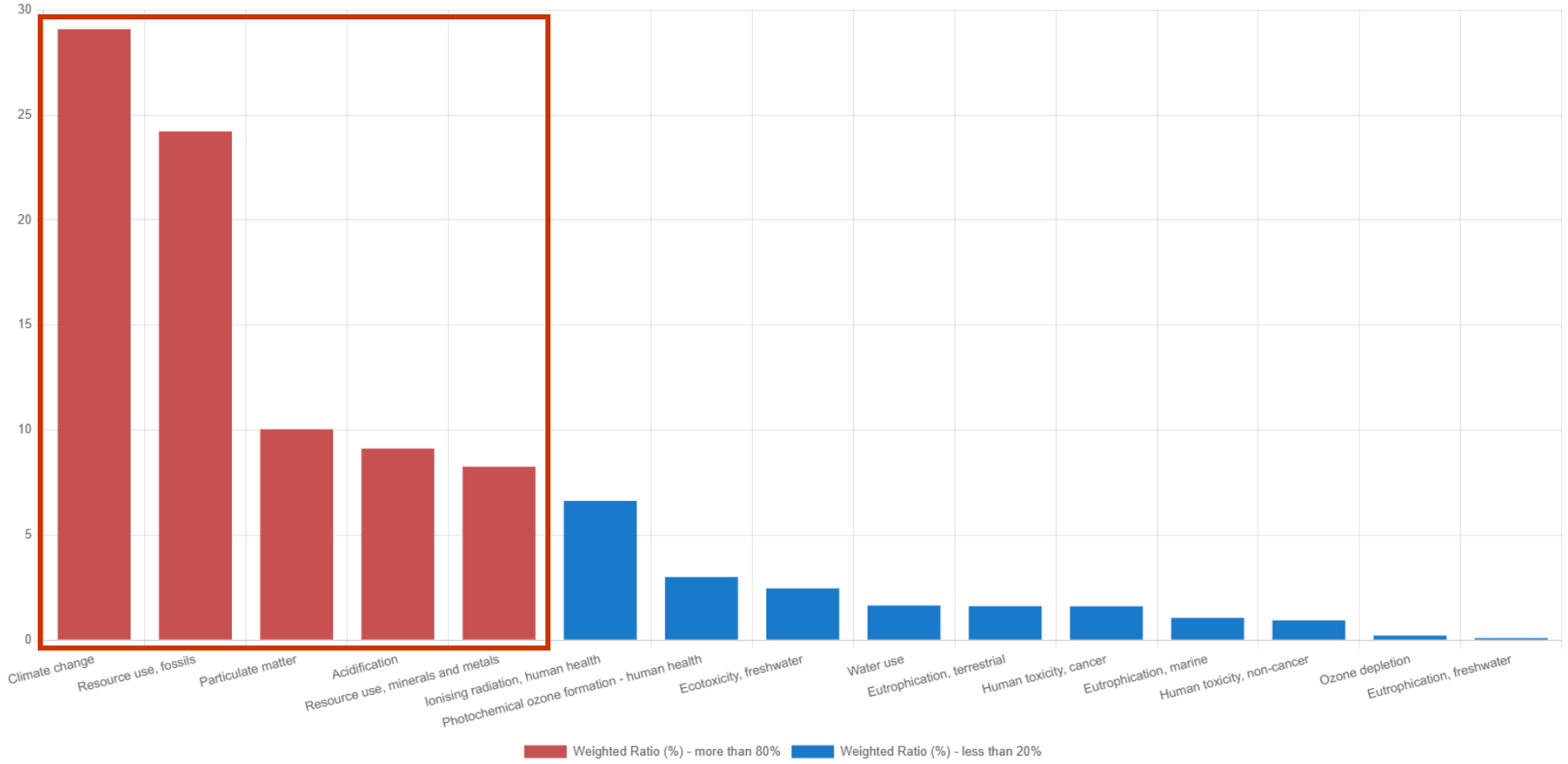
Normalized results



Weighted results

SELECTION OF RELEVANT INDICATORS

Indicators that account for 80% of global impacts are considered the most relevant to analyze



EIME VISION

Normalization

Normalization Factors for EF 3.1 (person eq.)

Weighting

Weighting Factors for EF 3.1

Submit

- Other environmental information
- Design indicators
- Inventory
  - Bill Of Materials - Product - BOM
  - Bill Of Materials - Process Losses - ...
  - Bill Of Materials - Product by Categ...
  - Bill Of Materials - Process Losses by...
  - Life Cycle Inventory - LCI
- [Advanced] Impact indicators
- Normalization and Weightings
  - Impact indicators

Ratio : 0.1

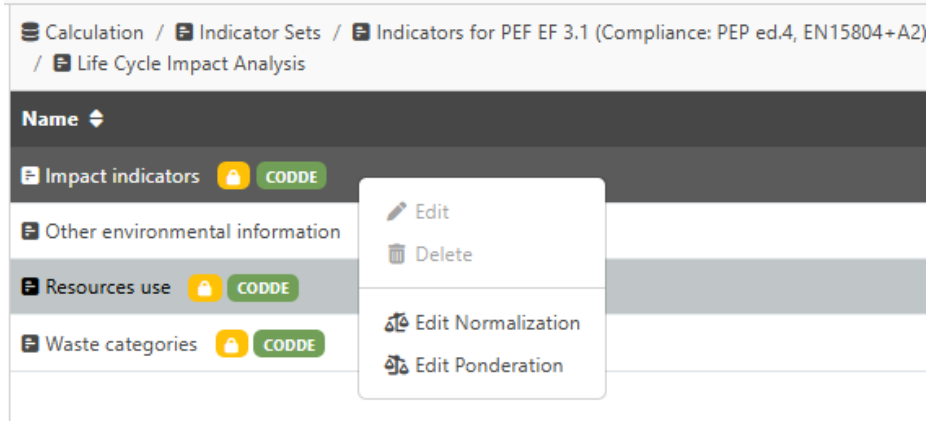
Luminaire PC

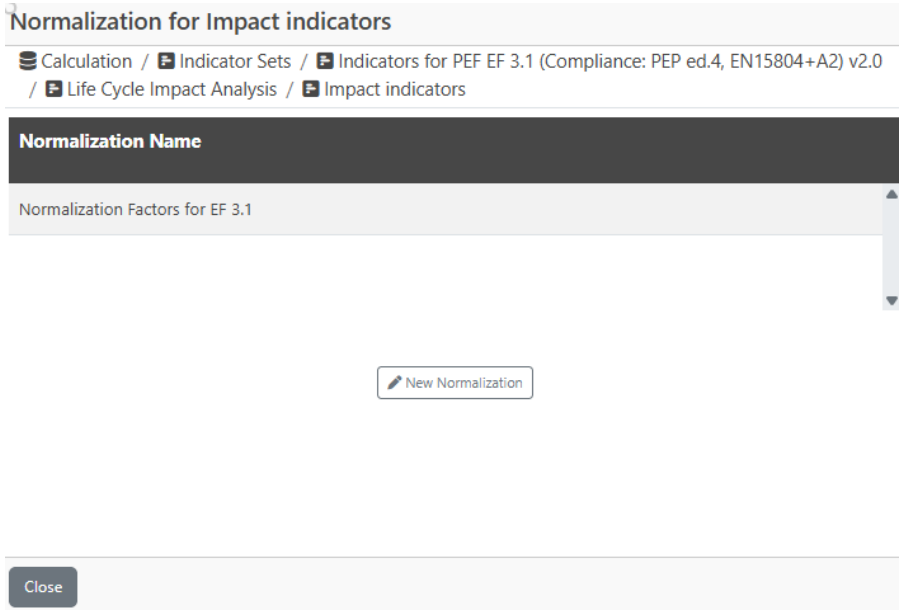
Impact indicators / Life Cycle Impact Analysis / Impact indicators / All impact indicators

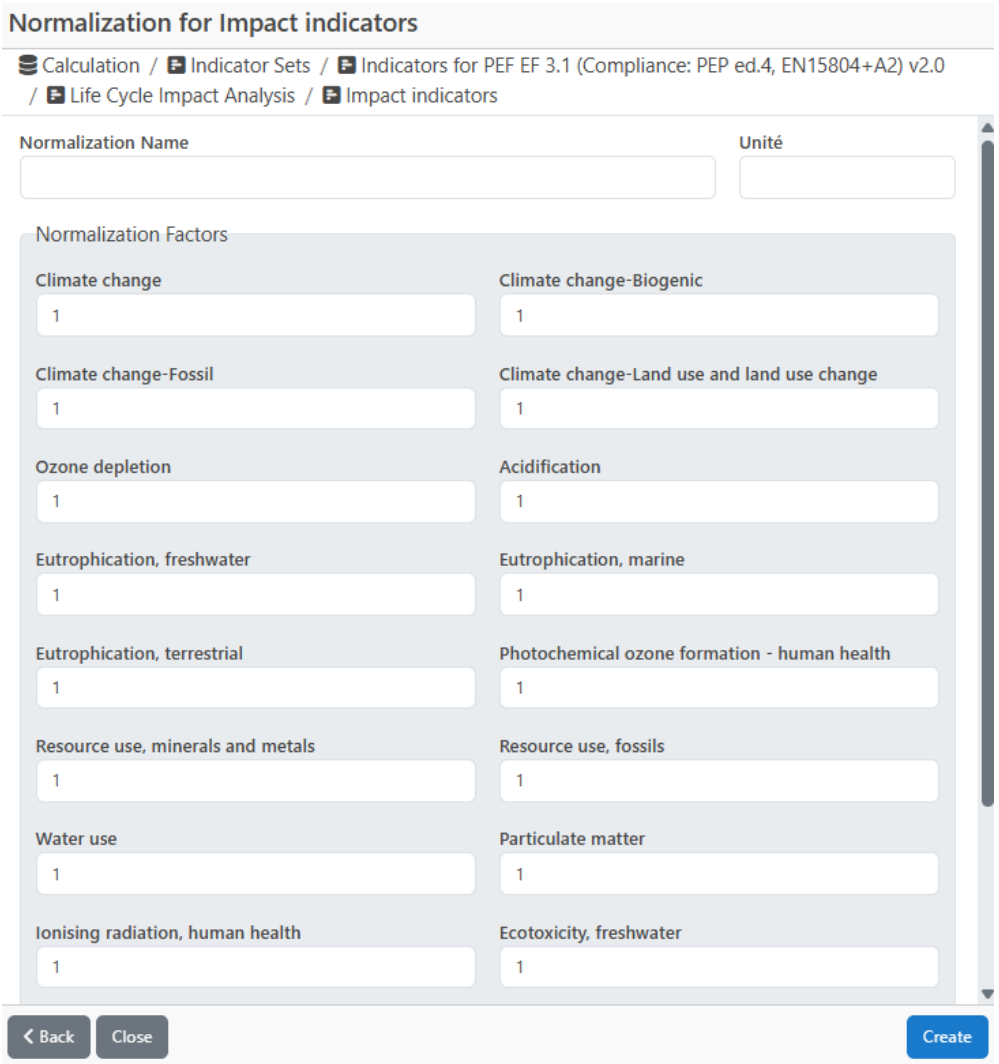
Indicator		Characterization		Normalization			Weighting		
		Sum	Unit	Factor	Result	Unit	Factor	Result	Ratio
Climate change	**GWP**	**7.98E+00**	**kg CO2 eq.**	**÷ 7.55E+03**	**1.06E-03**	**person eq.**	**× 21.06 %**	**2.22E-04**	**29.08 %**
Resource use, fossils	**ADP-f**	**1.45E+02**	**MJ**	**÷ 6.50E+04**	**2.23E-03**	**person eq.**	**× 8.32 %**	**1.85E-04**	**24.21 %**
Particulate matter	**PM**	**5.10E-07**	**Disease occurrence**	**÷ 5.95E-04**	**8.57E-04**	**person eq.**	**× 8.96 %**	**7.68E-05**	**10.04 %**
Acidification	**AP**	**6.25E-02**	**mol H+ eq.**	**÷ 5.56E+01**	**1.13E-03**	**person eq.**	**× 6.20 %**	**6.98E-05**	**9.12 %**
Resource use, minerals and metals	**ADP-e**	**5.32E-05**	**kg SB eq.**	**÷ 6.36E-02**	**8.36E-04**	**person eq.**	**× 7.55 %**	**6.31E-05**	**8.26 %**
Ionising radiation, human health	IRP	4.27E+00	kBq U235 eq.	÷ 4.22E+03	1.01E-03	person eq.	× 5.01 %	5.07E-05	6.63 %
Photochemical ozone formation - human health	POCP	1.96E-02	kg NMVOC eq.	÷ 4.09E+01	4.81E-04	person eq.	× 4.78 %	2.30E-05	3.00 %
Ecotoxicity, freshwater	ETP-fw	5.57E+01	CTUe	÷ 5.67E+04	9.82E-04	person eq.	× 1.92 %	1.88E-05	2.46 %
Water use	WDP	1.70E+00	m3 eq.	÷ 1.15E+04	1.48E-04	person eq.	× 8.51 %	1.26E-05	1.65 %
Eutrophication, terrestrial	EP-t	5.87E-02	mol N eq.	÷ 1.77E+02	3.32E-04	person eq.	× 3.71 %	1.23E-05	1.61 %
Human toxicity, cancer	HTP-c	9.95E-09	CTUh	÷ 1.73E-05	5.77E-04	person eq.	× 2.13 %	1.23E-05	1.61 %
Eutrophication, marine	EP-m	5.35E-03	kg N eq.	÷ 1.95E+01	2.74E-04	person eq.	× 2.96 %	8.10E-06	1.06 %
Human toxicity, non-cancer	HTP-nc	5.03E-08	CTUh	÷ 1.29E-04	3.91E-04	person eq.	× 1.84 %	7.19E-06	0.94 %
Ozone depletion	ODP	1.38E-06	kg CFC-11 eq.	÷ 5.23E-02	2.64E-05	person eq.	× 6.31 %	1.67E-06	0.22 %
Eutrophication, freshwater	EP-fw	4.27E-05	kg P eq.	÷ 1.61E+00	2.66E-05	person eq.	× 2.80 %	7.44E-07	0.10 %
Land use	SQP	7.98E-01	No dimension	÷ 8.19E+05	9.74E-07	person eq.	× 7.94 %	7.73E-08	0.01 %

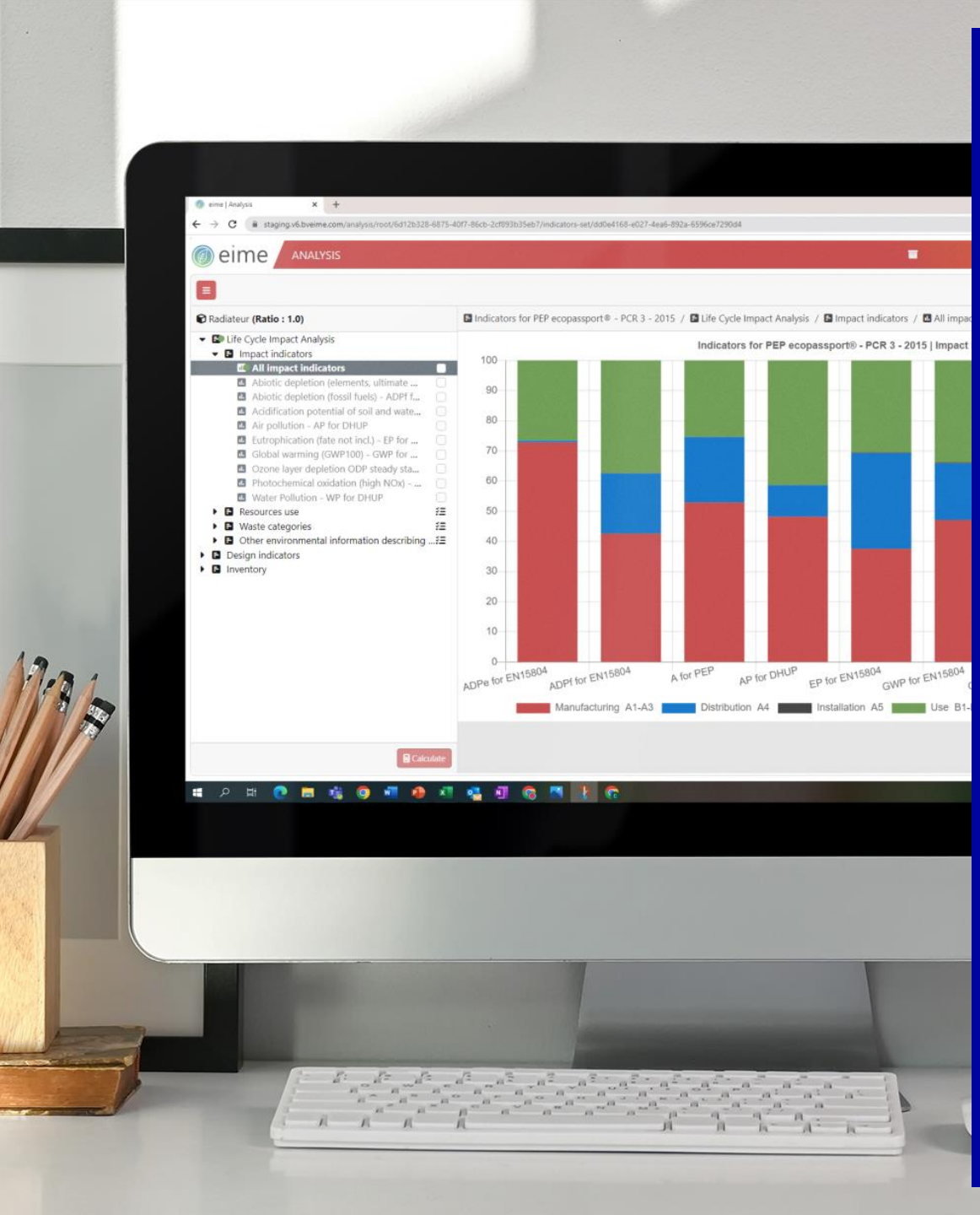
Normalization Normalization Factors for EF 3.1 (person eq.) **/ Weighting** Weighting Factors for EF 3.1 (edit)

CREATION OF CUSTOM SETS









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L C I E

Case study parameters

PARAMETERS

CONCEPT: MAKE VALUES USED IN THE DESIGN INTERFACE DYNAMIC

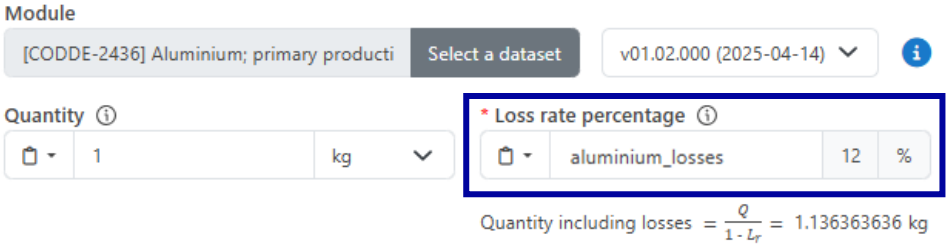
The user can create parameters in their case study:

* Name	Unit	Description	Scénario 1	Scénario 2
aluminium_losses	%	Aluminium loss rate	12.0	8.0

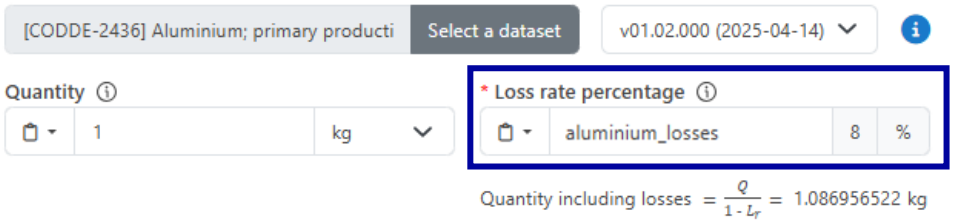
Operating principle: one parameter=

- A **name**: a field that will be used to define the string to be entered to call the parameter value
- One or more **value**(s): the value defined in the active set will be used for calculations
- **Unit** and **description**: information fields only

With the "Scenario 1" set active:



With the "Scenario 2" set active:



WHY USE PARAMETERS

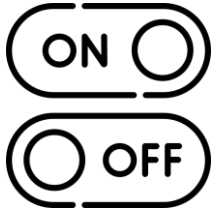
OPTION 1

Regular use of a value, example: PEP assumptions

OPTION 2

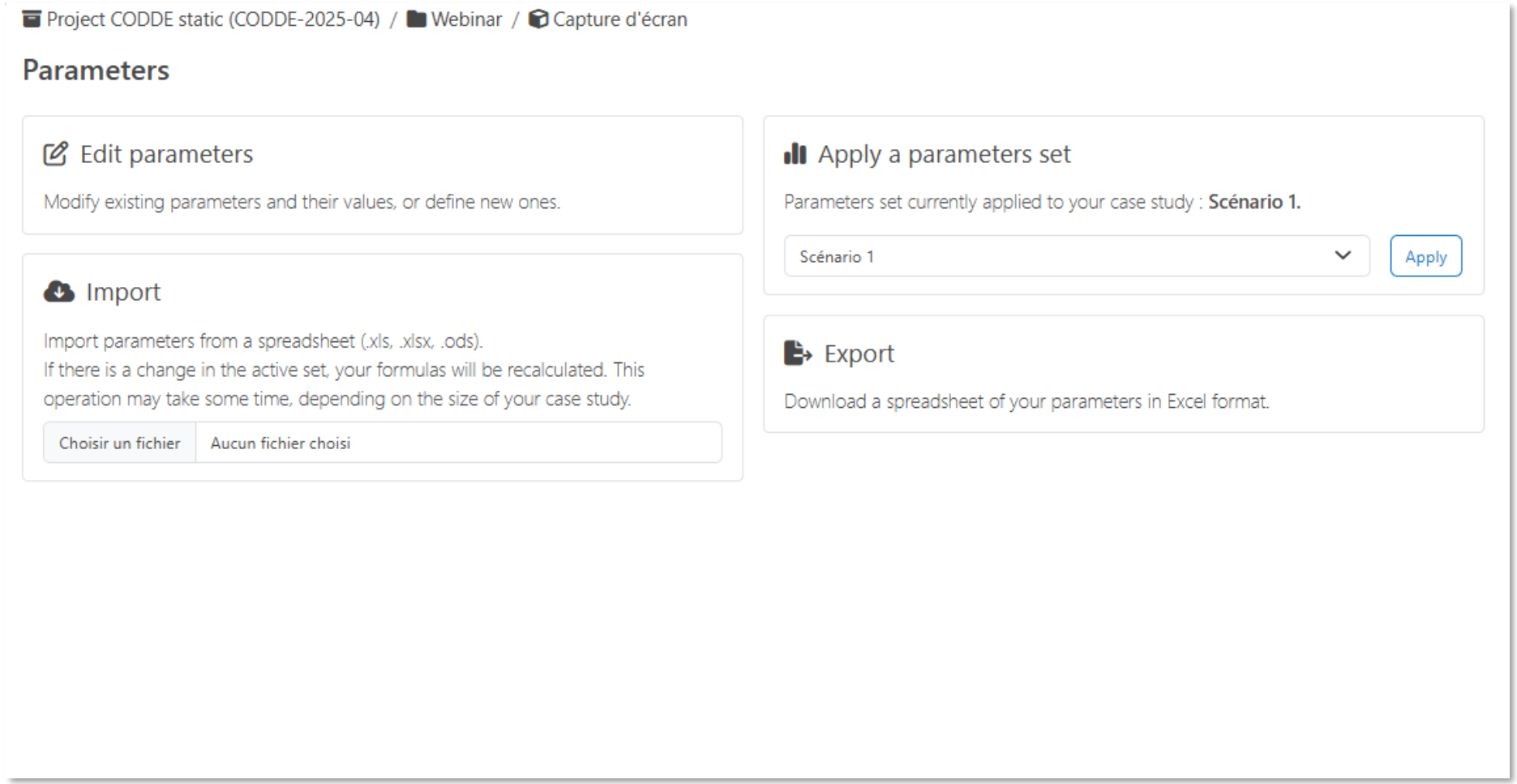
Vary parameters: mass of a part, recycled content content, etc.

OPTION 3



Activate or deactivate options on a product

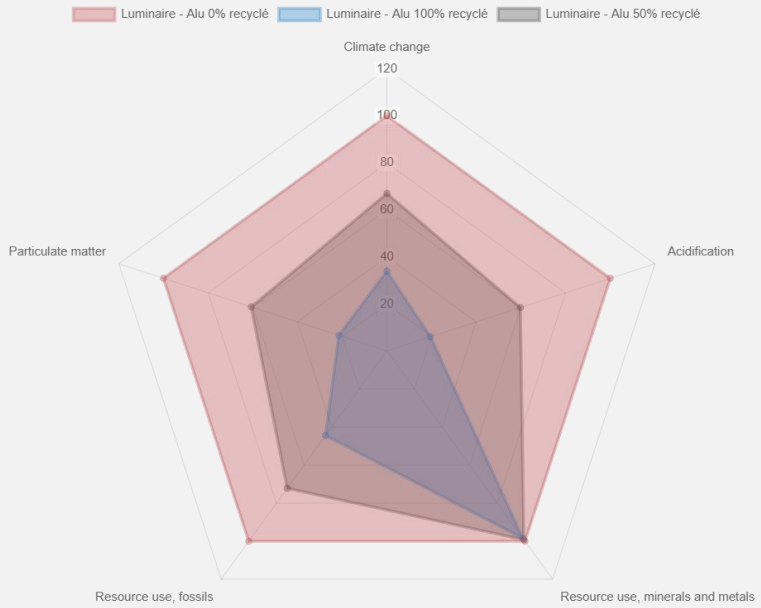
DEMONSTRATION



PARAMETERS – FUTURE DEVELOPMENTS

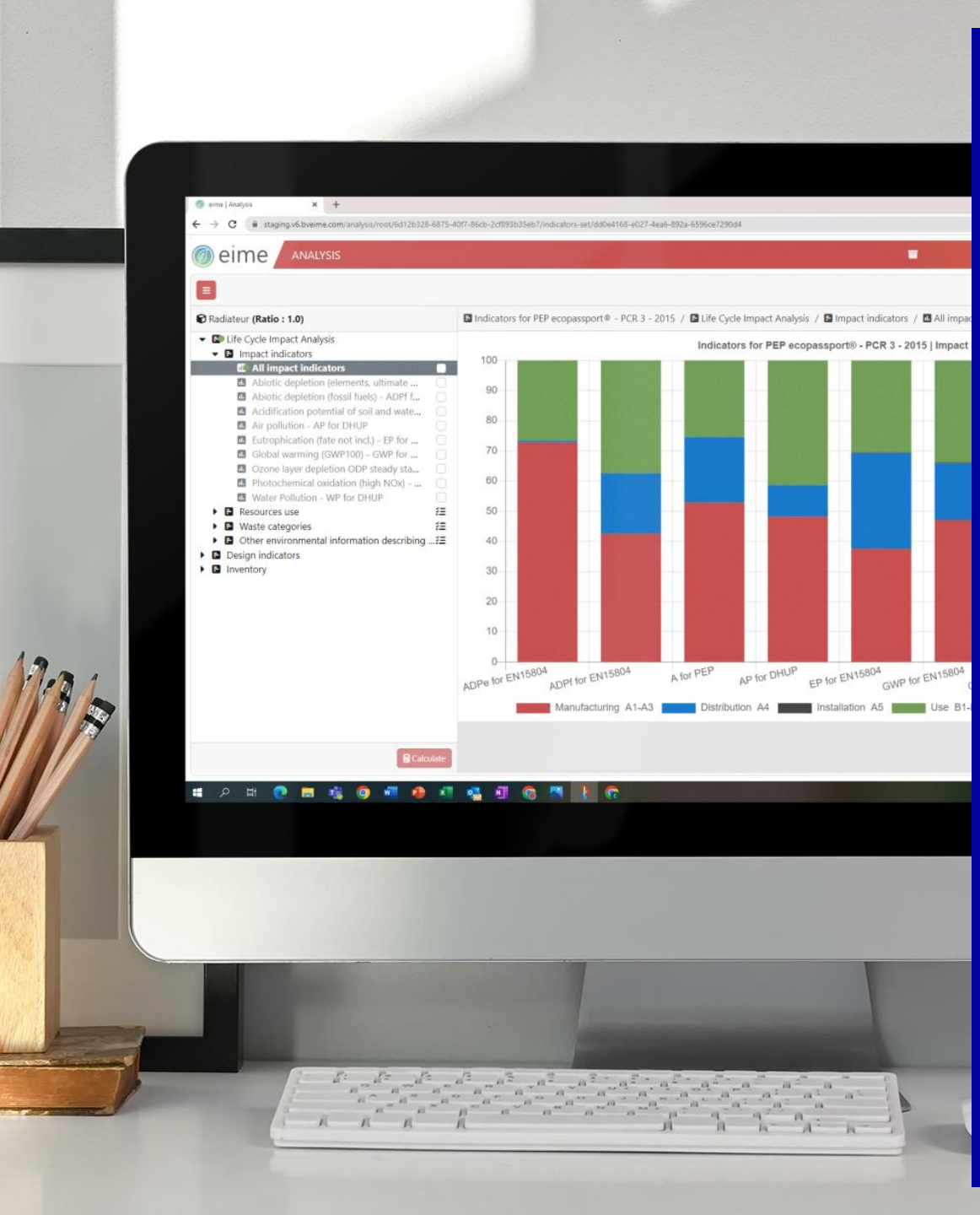
Using parameters in the analysis interface

→ Direct comparison between results with the different parameter sets enabled



Using Settings for Database Maintenance

→ Will facilitate the work, which should help us to develop data for the CODDE® database more quickly



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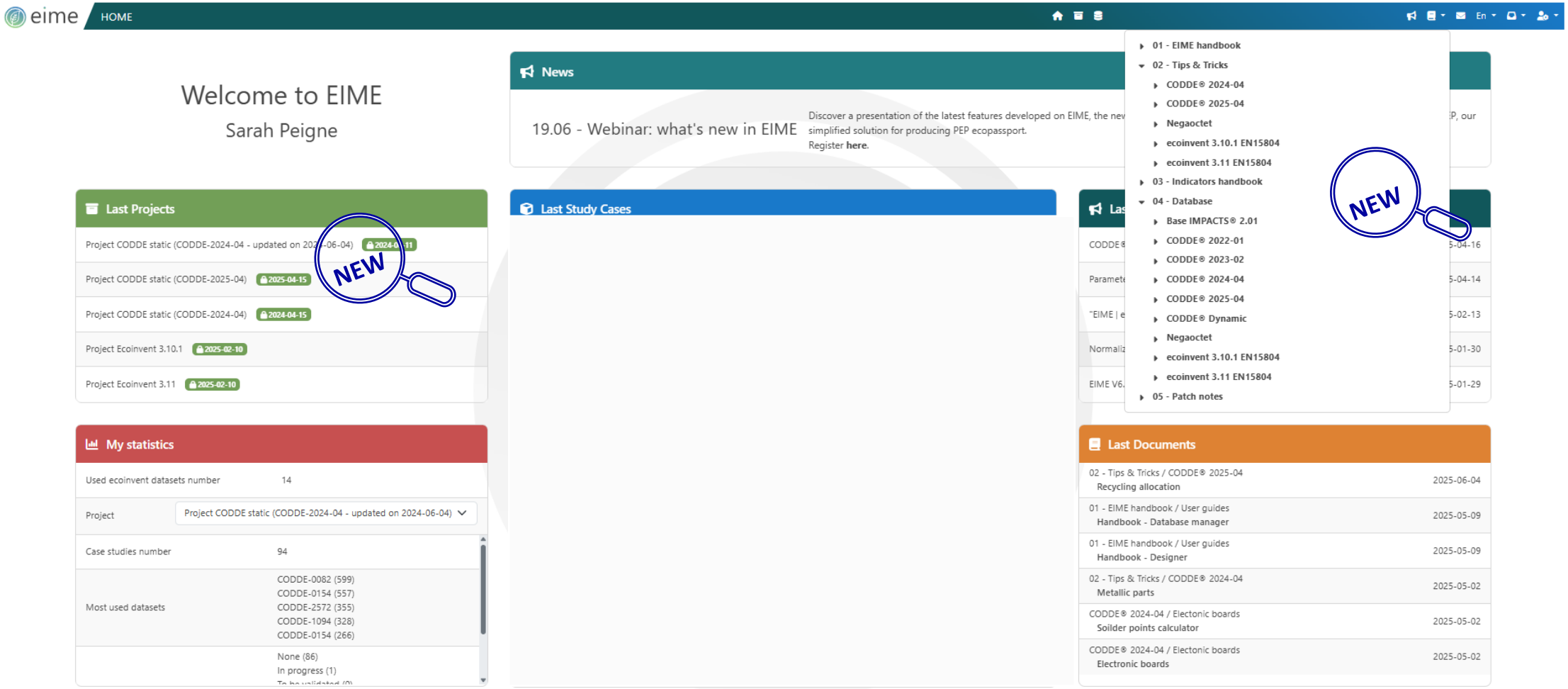
L C I E

What's new in CODDE 2025-04 database

DATABASE – IN PROJECT 2025



New CODDE-2025-04 project: if it is not yet available on your session, ask your EIME manager

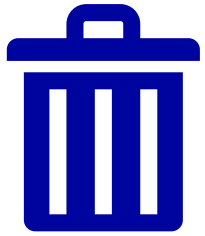
CODDE-2025-04 DATABASE

3817
data

Of which 1026
New data

Of which 1000
Updated data

Transportation (air, road, marine, rail)



Landfilling of waste

Water treatment

Electricity mix

Electronic components

ELECTRICITY MIX DATABASE

Mix énergétique

Electricity Mix; Consumption Mix; Low voltage; Albania, AL
Futur electricity mix (2050); Low voltage, scenario 2 by ADEME; France, FR
Futur electricity mix (2050); Low voltage, scenario 2 by RTE; France, FR
Futur electricity mix (2050); Low voltage, scenario 3a by ADEME; France, FR
Futur electricity mix (2050); Low voltage, scenario 3b by ADEME; FR
Futur electricity mix (2050); Low voltage, scenario 3 by RTE; France, FR
Futur electricity mix (2050); Low voltage, scenario 4 by ADEME; France, FR
Renewable electricity from hydro power; Low voltage; Europe, RER
Renewable electricity from photovoltaics; Low voltage; Europe, RER
Renewable electricity from photovoltaics; Low voltage; France, FR
Renewable electricity from photovoltaics; Low voltage; Germnay, DE
Renewable electricity from photovoltaics; Low voltage; Italy, IT
Renewable electricity from photovoltaics; Low voltage; Netherlands, NL
Renewable electricity from photovoltaics; Low voltage; Spain, ES
Renewable electricity from wind power; Low voltage; Europe, RER

The energy mixes available are:

Electricity production or consumption mixes by country or geographical area

Consumption mix = production mix - exports and imports
Production mix = electricity mix of a country or geographical area

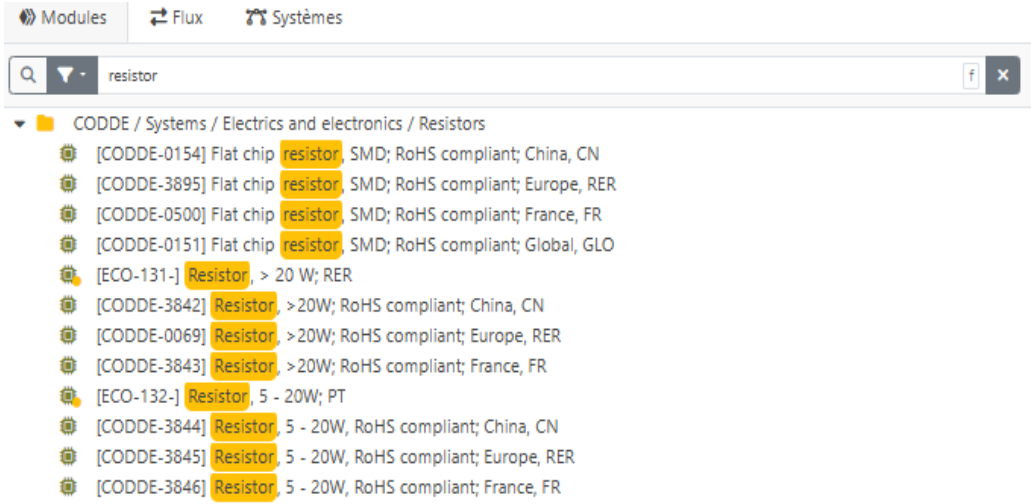
Electricity mixes from renewable sources (hydro, wind and photovoltaic)

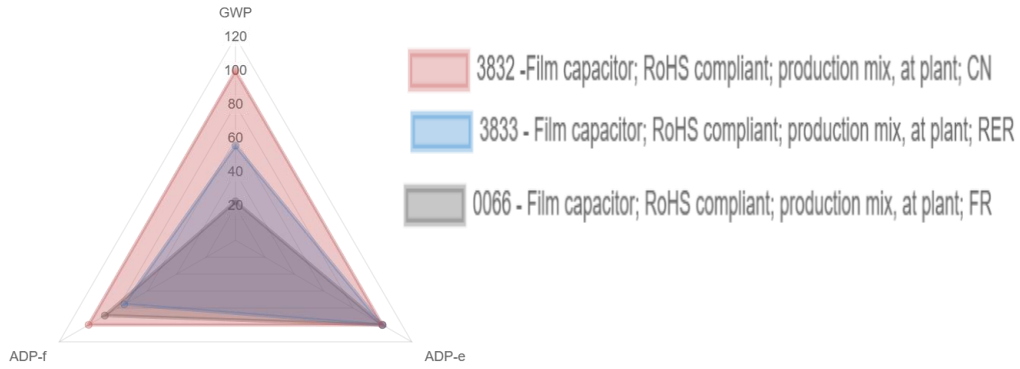
Before using electricity data from renewable sources, be sure to check their usage rights and the requirements of the current PCRs.

Electricity mixes by 2050

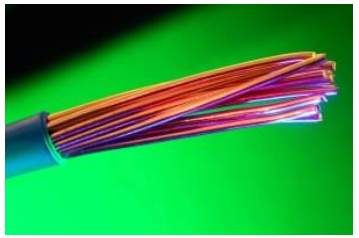
DATABASE – ELECTRONICS

Data regionalization: CN, RER, FR





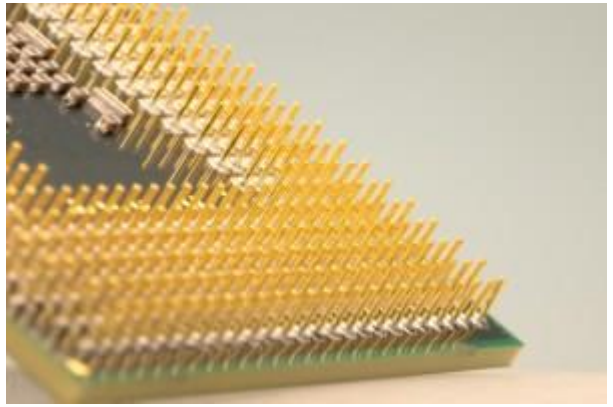
Creating new data



More than 30 data related to the manufacture of **wires and cables**.
Typology:
Wire for Electronic Wiring (UL1007)
Cable for Device Connections (H05RN-F)
Cable for telecommunication applications (J-Y(ST)Y), 2x2 pairs
Cable for fixed cabling installations in buildings (H07V-U)
Cable for medium power applications (H07RN-F)
The CODDE® database contains about 15 processes (wire drawing, crosslinking, stranding, etc.) allowing to EIME user to create their own cable and wires.

More than 90 data related to the manufacture of **connectors.**
Connector types: RJ45, VGA, HDMI, USB (mini, micro, type A/B), etc. Male/female differentiation.
Regulation: RoHS compliance

SEMICONDUCTOR DATABASE



Creating new semi-conductor data

The CODDE® database contains more than 100 data related to semiconductor manufacturing.
Areas covered: China and France
Technology: silicon wafer, etching 20 masks
Enclosure: more than 30 enclosures available (TQFP, LQFP, PQFP, TSSPO, LFGBA, PBGA, VFBGA, VFQFPN, ...)
Data configuration: The majority of the data has 1 main parameter (number of components) and 1 secondary parameter (mass of the component).).

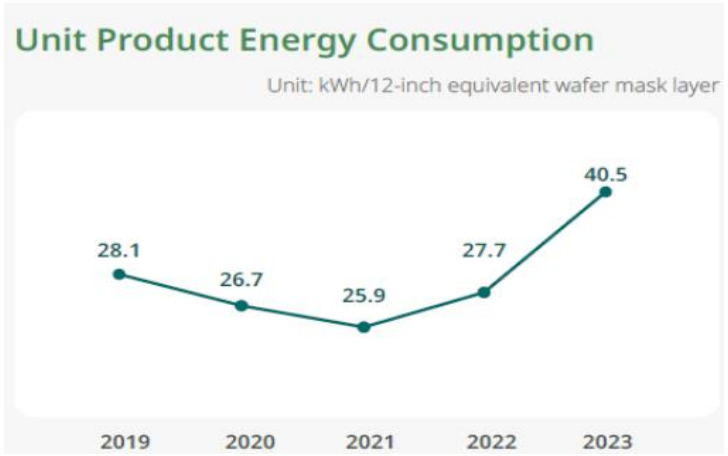
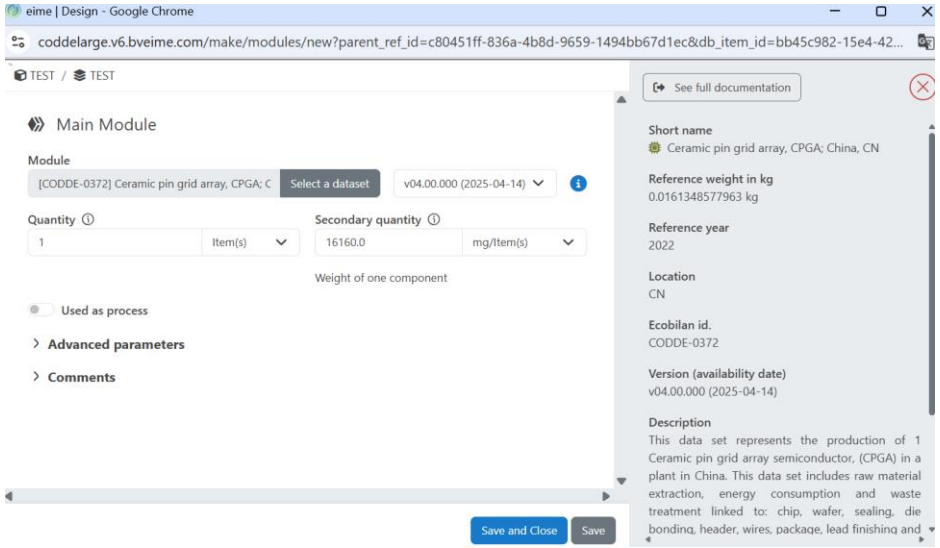


Figure – Evolution of consumption in kWh/mask layer of equivalent 12-inch wafer in 2019 and 2023
(Source: 2023 Sustainability Report, TSMC)



Example of the use of the data "CODDE-0372 Ceramic pin grid array, CPGA; China, CN". The CODDE-0372 data makes it possible to represent the impacts of the references: CPGA 64, CPGA 68, CPGA 84, etc. up to CPGA 319

DATABASE – COMING SOON

CODDE® MicroElectronique

15/07/2025 for users with a team manager

30%

It is estimated that up to 30% of wafers manufactured may be rejected due to manufacturing defects, quality problems or insufficient yields. This represents significant quantities of high-purity silicon waste.

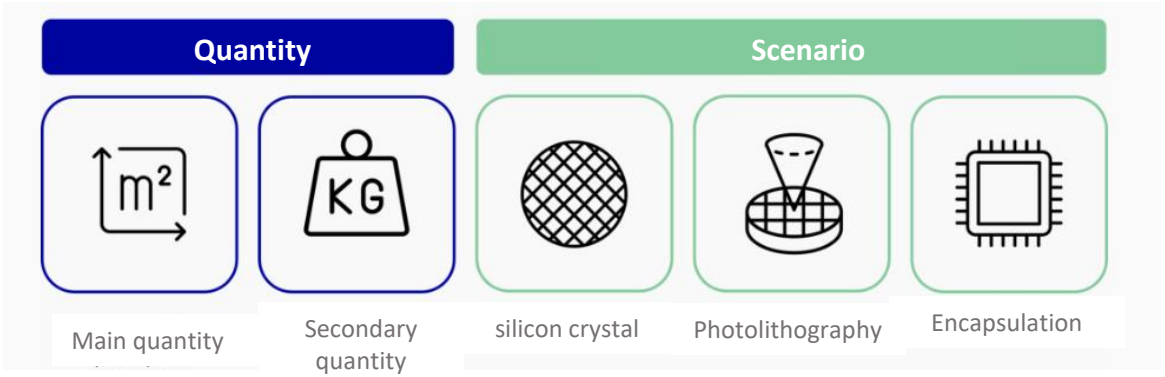
80% vs 1%

Take the example of a smartphone. Semiconductors (microprocessors, memory) account for up to 80% of the carbon footprint, even though they only weigh 1.0% of the smartphone.

x13

Purifying silicon requires up to 13 times more energy than producing aluminum. Silicon is the element most commonly used to manufacture wafers.

Configurable semiconductors for finer impact modeling easily and quickly



Contact us for more information on this new database: https://codde.fr/

ALL'IN PEP

EIME add-on

All'in PEP

Carrying out a PEP without All'in

01 Datacollection

Search the entire PEP **documentation** for data to be collected and hypotheses to be followed

02 Hand modeling in LCA software

Search **one by one** for data relevant to modeling in the LCA software

03 Writing of an accompanying report

Writing of all the hypotheses and values used

04 Writing of a PEP sheet

All'in PEP

Report, modeling and PEP ecopassport sheet all in one

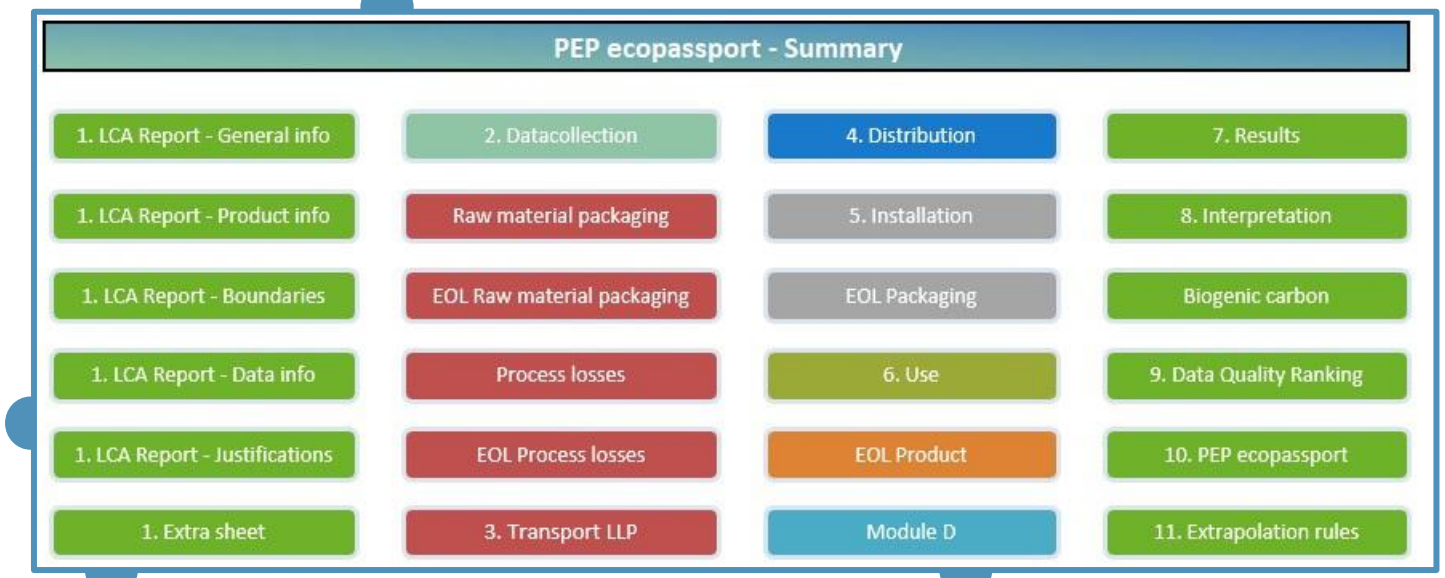
1 single **tool**,
in Excel format

eime

Carrying out a PEP with All'in

Automatic consideration of PCR, PSR and AP hypotheses

Data collection with **instant matching** to ACV databases



Intuitive writing of the accompanying report

PEP ecopassport sheet with export in **PDF format**

Accompanying report

Tabs to easily complete the information required in the accompanying report

PEP ecopassport - LCA report		
Company information	Name	ENTREPRISE
	Website	entreprise.com
	Legal contact in the company (e.g. create a specific email address)	sherlock.holmes@entreprise.com
	Address	221B Baker Street, Londres
General information	Date of the report	09-2024
	Name of the persons/agents who drew up the report	Sherlock Holmes
	Date of publication	09-2024
	Validity period	5 years
	Identification of the LCA report	All'in_PEP_V1.2
PEP information	PEP registration number	ENTR-00001-V01.01-FR
	Version of the PCR applied	PCR-4-ed4-EN-2021 09 06
	Version of the PSR applied	PSR-0005-ed3.1-EN-2023 12 08
Objectives	Purpose of the study: reasons for carrying out the study	Objectives of the report is to provide all information to create and publish a PEP as per PEP Ecopassport Program
	Purpose of the study: application	BtoB and BtoC
	Purpose of the study: target audience	The publication of PEPs is intended for communication between companies via the PEP Ecopassport database
	Purpose of the study: publication in IGNES database	
Verification	Verifier's name	John Watson
	Verifier's accreditation number	VH52
	Verification type	Independent external review

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Accompanying report

Choice of **product category** allowing automatic writing of **functional unit**, **declared unit**, **reference lifetime**, **use scenario**

PEP ecopassport - LCA report

Product information	Name of the product	Loupe électronique
	Identification of the product	Loupe grossissante x15
	Product type	Accessoires de détective
	Product description	Augmente la taille d'un objet au travers d'un verre grossisant
	Product picture	
	Product category (if PSR 3, 5, 7, 9, 10, 18)	Other equipments - Passive product - non-continuous operation
	Product category (if other PSR)	
	Functional unit (if PSR 3, 5, 7, 9, 10, 18)	
	Functional unit (if other PSR)	

Copper telecom accessory - Data centers
Copper telecom accessory - LAN: Residential
Copper telecom accessory - LAN: Tertiary
Copper telecom accessory - LAN: Industrial (Factories, warehouses)
Unequipped enclosures
Unequipped cabinets
Surge arresters - Type 1, 2 or 3 devices connected to low voltage power systems
Surge arresters - Surge protective devices connected to telecommunications and signalling networks
Terminal Blocks - Terminal blocks for copper conductors and disconnect terminal blocks (60947-7-1 standard)
Terminal Blocks - Fuse terminal blocks (60947-7-3 standard)
Terminal Blocks - Protective conductor terminal block (60947-7-2) standard
Other equipments - Passive product - non-continuous operation

Back to Summary

Compliance | Summary | 1. LCA Report - General info | 1. LCA Report - Product info | 1. LCA Report - Boundaries | 1. LCA Report - Data info | 1. LCA Report

Datacollection

Number of lines to add: 10 Add lines

Information													
Level	Description	Quantity	Unit	Is the part shaped or ready to assemble?	Real recycled content (%)	Packaging	Accessories	Maintenance How many unit piece is needed in B2 - maintenance?	Surface (cm2)	Unit mass without losses (kg)	Total mass without losses (kg)	Losses (%)	
1	Structure	1	item								0	30,0%	
2	Housing	3	item	Shaped		Packaging of accessory not supplied with the product				10	30	10,0%	
2	Accessories	2	item								0	30,0%	
3	Feet	2	item	Shaped			Accessory supplied with the product			4	16	30,0%	
3	Screw	4	item	Shaped			Accessory not supplied with the product			0,2	1,6	30,0%	
1	LCD screen	1	item	Ready to assemble		Packaging of accessory not supplied with the product				1	1	10,0%	
1	Electronic card	1	item								0	30,0%	
2	Resistances	10	item	Ready to assemble									
2	Capacitor	5	item	Ready to assemble									
2	Printed Wiring Board	1	item	Ready to assemble					0,004				
1	Buttons	3	item	Shaped				2					
1	Packaging	1	item								0	30,0%	
2	Cardboard	5	item	Ready to assemble		Primary packaging				2	10	10,0%	
2	Plastic	1	item	Ready to assemble		Reconditioning packaging				0,5	0,5	10,0%	
1	Packaging	1	item								0	30,0%	
2	Wood	1	item	Ready to assemble		Secondary packaging				5	5	10,0%	

Information:
- Unit area for this dataset is: 0,0000300000011 m2 for 0,00108000007 kg

Respect of product's **architecture**

Automatic verification of the **cut-off criterion**

Choice of modeling data to use using **pre-established drop-down** menus

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Automated hypotheses

Manufacturing

Upstream transports

Raw materials packaging

End of life of raw materials packaging

Process losses

End of life of process losses

Installation

Packaging end of life

End of life

100% automated

Module D

100% automated

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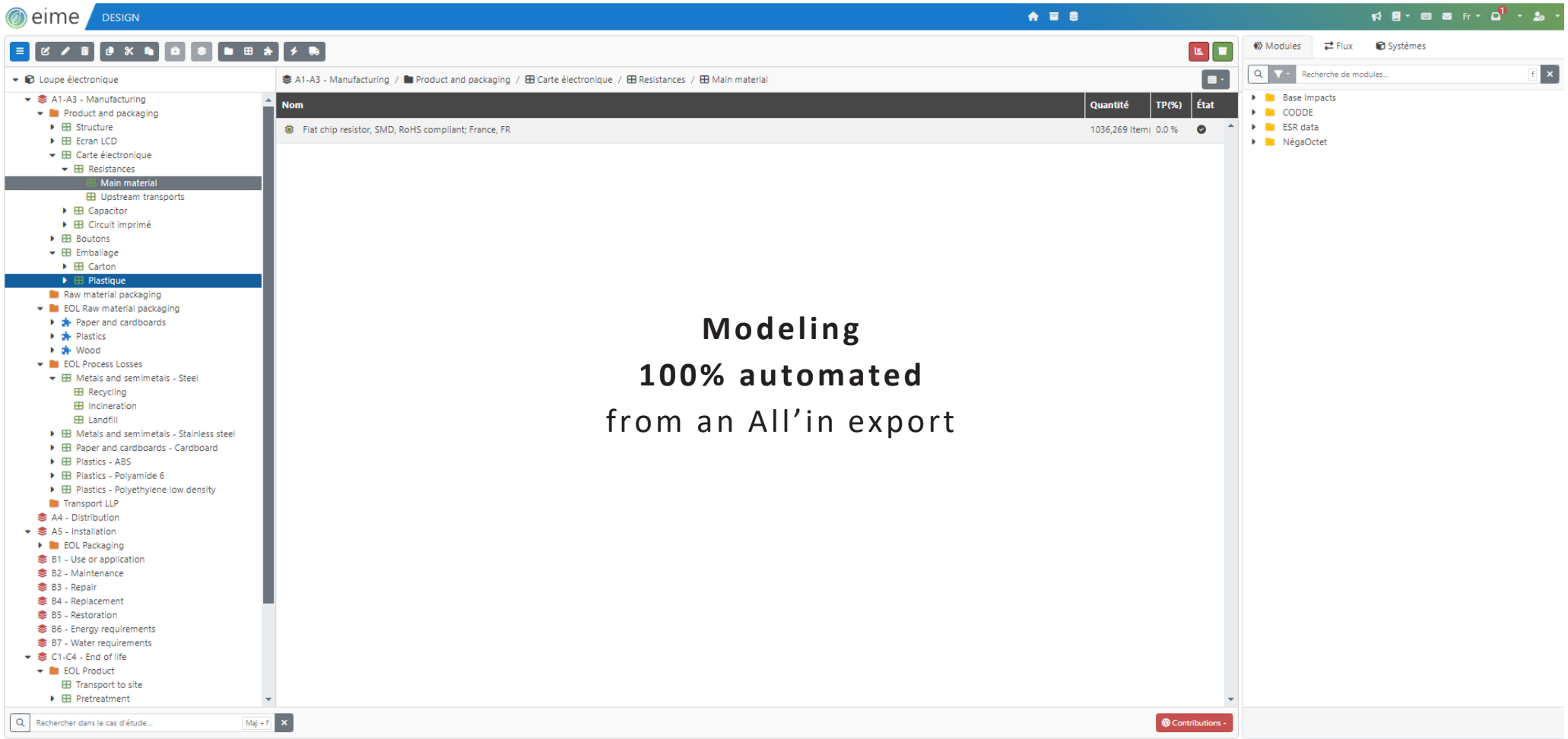
EIME



Modeling

100% automated

from an All'in export

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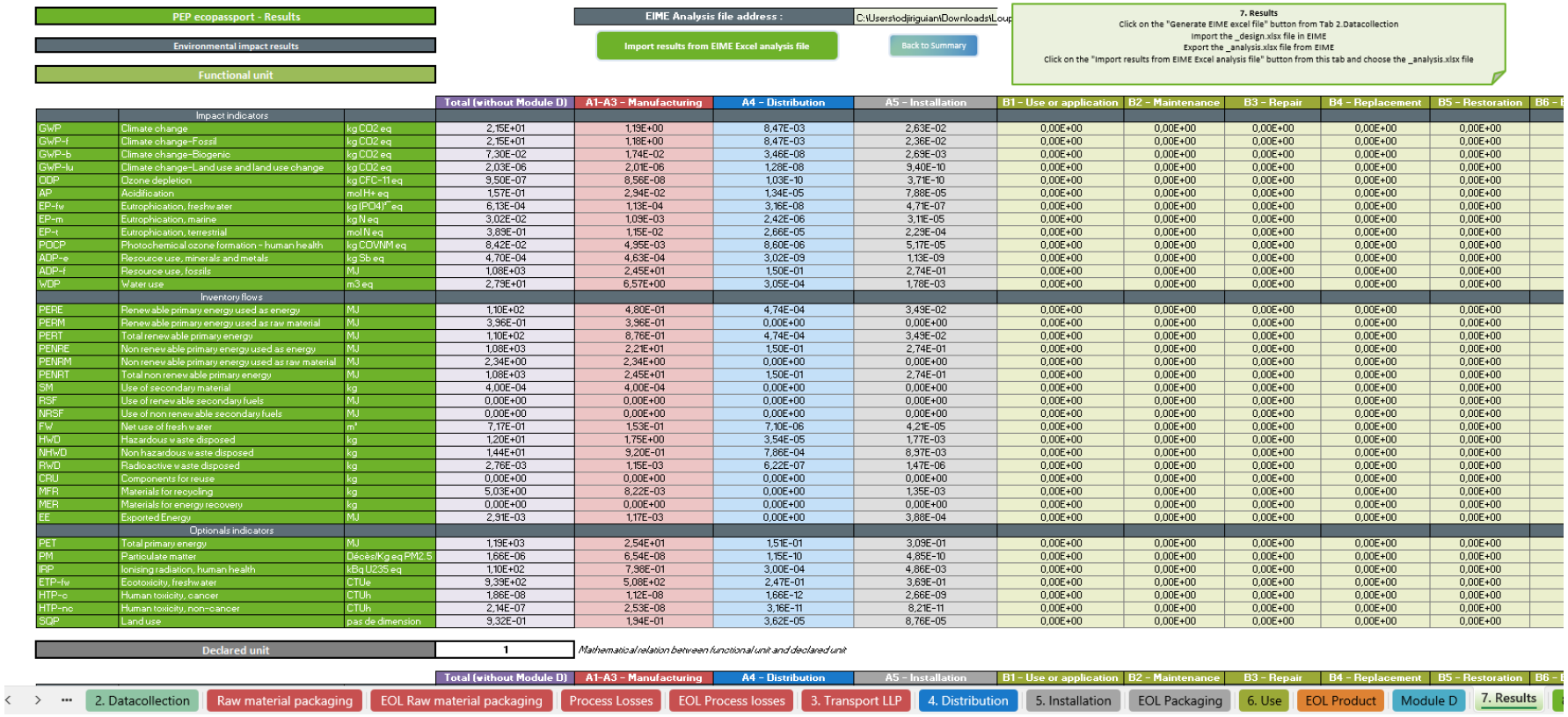
Results

100% automated results completion from an EIME export

Biogenic carbon content calculation

Data quality calculation



PEP ecopassport - Results

Environmental impact results

Functional unit

EIME Analysis file address : C:\Users\odjiriguian\Downloads\Loup

Import results from EIME Excel analysis file

Back to Summary

7. Results
Click on the "Generate EIME excel file" button from Tab 2.Datacollection
Import the _design.xlsx file in EIME
Export the _analysis.xlsx file from EIME
Click on the "Import results from EIME Excel analysis file" button from this tab and choose the _analysis.xlsx file

			Total (without Module D)	A1-A3 – Manufacturing	A4 – Distribution	A5 – Installation	B1 – Use or application	B2 – Maintenance	B3 – Repair	B4 – Replacement	B5 – Restoration	B6 –
	Impact indicators											
GWP	Climate change	kg CO2 eq	2,15E+01	1,19E+00	8,47E-03	2,63E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
GWP-f	Climate change-Fossil	kg CO2 eq	2,15E+01	1,18E+00	8,47E-03	2,36E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
GWP-b	Climate change-Biogenic	kg CO2 eq	7,30E-02	1,74E-02	3,46E-08	2,69E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
GWP-lu	Climate change-Land use and land use change	kg CO2 eq	2,03E-06	2,01E-06	1,28E-08	9,40E-10	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
ODP	Ozone depletion	kg CFC-11 eq	9,50E-07	8,56E-08	1,03E-10	3,71E-10	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
AP	Acidification	mol H+ eq	1,57E-01	2,34E-02	1,34E-05	7,88E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
EP-fw	Eutrophication, freshwater	kg (PO4)³⁻ eq	6,13E-04	1,13E-04	3,16E-08	4,71E-07	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
EP-m	Eutrophication, marine	kg N eq	3,02E-02	1,09E-03	2,42E-06	3,11E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
EP-t	Eutrophication, terrestrial	mol N eq	3,89E-01	1,15E-02	2,66E-05	2,29E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
POCP	Photochemical ozone formation - human health	kg COVNM eq	8,42E-02	4,95E-03	8,60E-06	5,17E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
ADP-e	Resource use, minerals and metals	kg Sb eq	4,70E-04	4,63E-04	3,02E-09	1,13E-09	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
ADP-f	Resource use, fossils	MJ	1,08E+03	2,45E+01	1,50E-01	2,74E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
WDP	Water use	m3 eq	2,79E+01	6,57E+00	3,05E-04	1,78E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
	Inventory flows											
PERE	Renewable primary energy used as energy	MJ	1,10E+02	4,80E-01	4,74E-04	3,49E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
PERM	Renewable primary energy used as raw material	MJ	3,96E-01	3,96E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
PERT	Total renewable primary energy	MJ	1,10E+02	8,76E-01	4,74E-04	3,49E-02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
PENRE	Non renewable primary energy used as energy	MJ	1,08E+03	2,21E+01	1,50E-01	2,74E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
PENRM	Non renewable primary energy used as raw material	MJ	2,34E+00	2,34E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
PENRT	Total non renewable primary energy	MJ	1,08E+03	2,45E+01	1,50E-01	2,74E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
SM	Use of secondary material	kg	4,00E-04	4,00E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
RSF	Use of renewable secondary fuels	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
NRSF	Use of non renewable secondary fuels	MJ	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
FW	Net use of fresh water	m³	7,17E-01	1,53E-01	7,10E-06	4,21E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
HWD	Hazardous waste disposed	kg	1,20E+01	1,75E+00	3,54E-05	1,77E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
NHWD	Non hazardous waste disposed	kg	1,44E+01	3,20E-01	7,86E-04	8,97E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
RWD	Radioactive waste disposed	kg	2,76E-03	1,15E-03	6,22E-07	1,47E-06	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
CRU	Components for reuse	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
MFR	Materials for recycling	kg	5,03E+00	8,22E-03	0,00E+00	1,35E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
MER	Materials for energy recovery	kg	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
EE	Exported Energy	MJ	2,91E-03	1,17E-03	0,00E+00	3,88E-04	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
	Optionals indicators											
PET	Total primary energy	MJ	1,19E+03	2,54E+01	1,51E-01	3,09E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
PM	Particulate matter	Décès/Kg eq PM2.5	1,66E-06	6,54E-08	1,15E-10	4,85E-10	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
IRP	Ionising radiation, human health	kBq U235 eq	1,10E+02	7,38E-01	3,00E-04	4,86E-03	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
ETP-fw	Ecotoxicity, freshwater	CTUe	9,39E+02	5,08E+02	2,47E-01	3,69E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
HTP-c	Human toxicity, cancer	CTUh	1,86E-08	1,12E-08	1,66E-12	2,66E-09	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
HTP-nc	Human toxicity, non-cancer	CTUh	2,14E-07	2,53E-08	3,16E-11	8,21E-11	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	
SQP	Land use	pas de dimension	9,32E-01	1,94E-01	3,62E-05	8,76E-05	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	

Declared unit 1 *Mathematical relation between functional unit and declared unit*

	Total (without Module D)	A1-A3 – Manufacturing	A4 – Distribution	A5 – Installation	B1 – Use or application	B2 – Maintenance	B3 – Repair	B4 – Replacement	B5 – Restoration	B6 –

2. Datacollection | Raw material packaging | EOL Raw material packaging | Process Losses | EOL Process losses | 3. Transport LLP | 4. Distribution | 5. Installation | EOL Packaging | 6. Use | EOL Product | Module D | 7. Results

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PEP sheet

Automatic creation of the ecopassport PEP sheet

Export to **PDF**

Possibility to **customize** the visual

All’in PEP

Report, modelling and PEP ecopassport sheet all in one

Compliance

Application of PEP ecopassport® standards in force

Reliability

No possible error in the interpretation of PEP ecopassport documents

Speed

A ready-to-use, easy-to-use tool that you can quickly deploy in your company

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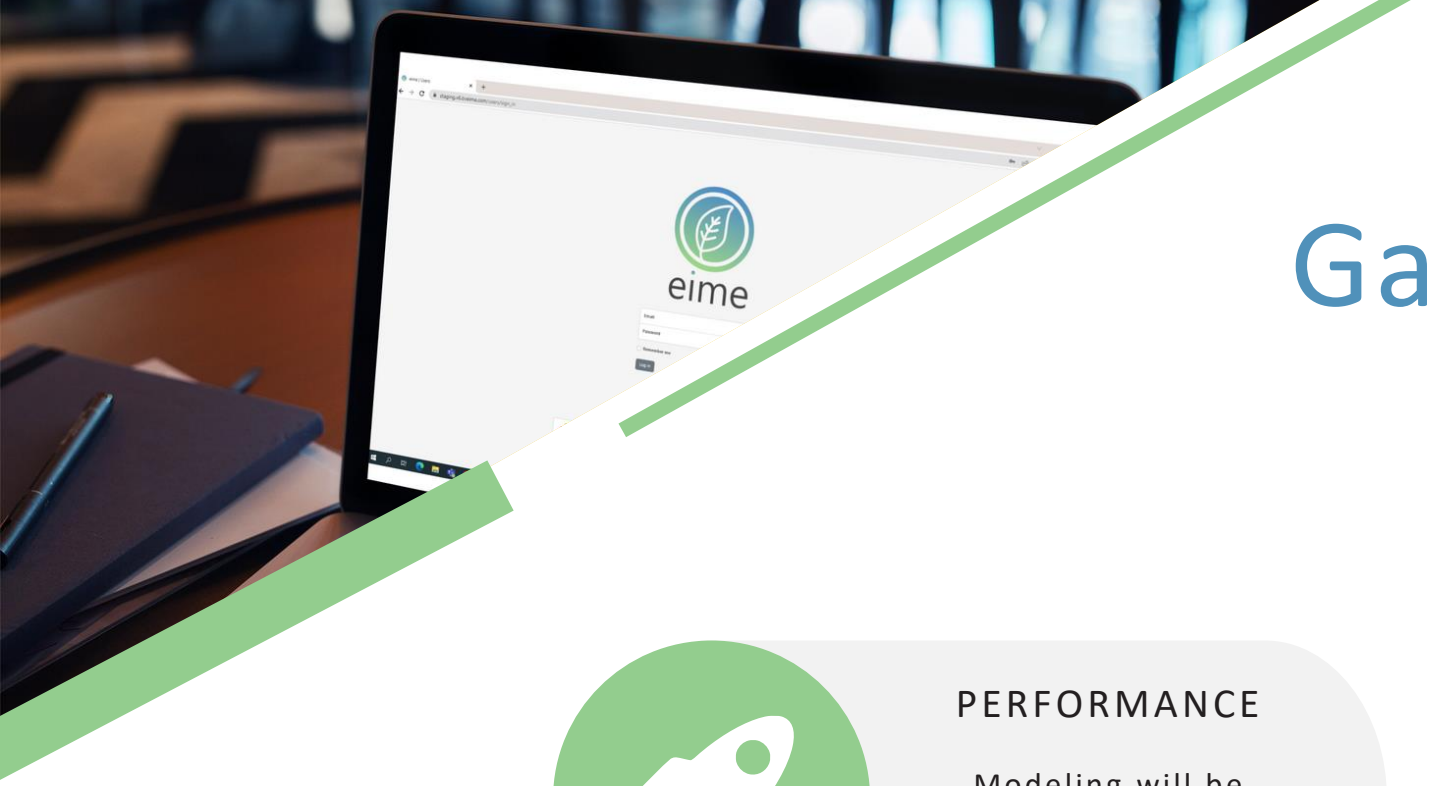

Gains

PERFORMANCE

Modeling will be **consistent** across your team

TIME

Performing a PEP will take, at a minimum, **2x less time**

PRODUCTIVITY

You will carry out your PEP **without error risk**

PRICE

Reduce your PEP **verification costs**

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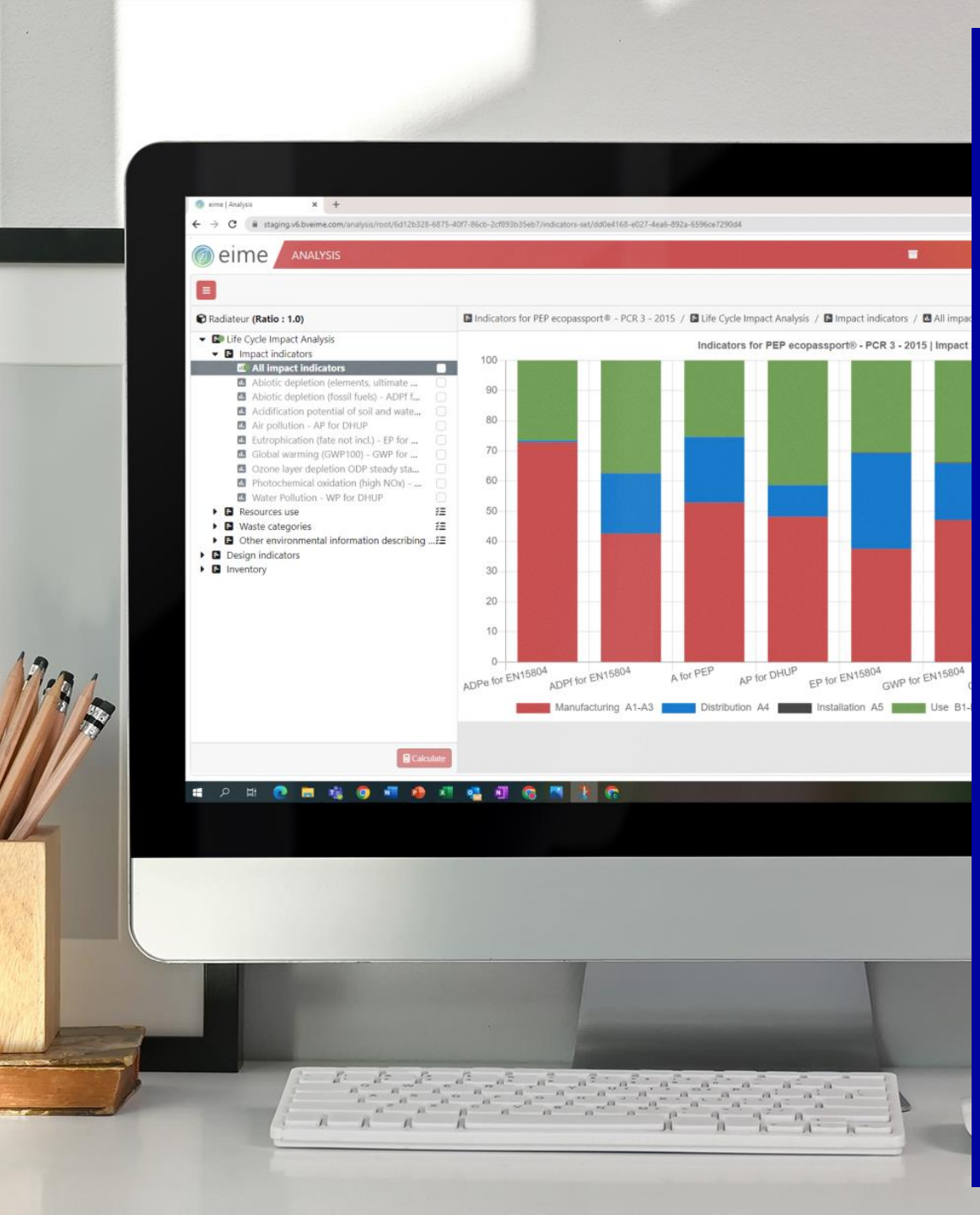
TARIFICATION

All'in PEP is a tool sold exclusively to users of EIME software

Annual license	Annual update	
Valid for a choice of X PSR among the 19 possible	Includes the update of the EIME database, the integration of new PEP ecopassport® features (excluding PCR and PSR updates) and updates made on All'in since the date of purchase	Contact our sales team

eime


eime | Analysis
staging.v6.bveime.com/analysis/root/6d12b328-6875-40f7-86cb-2cf893b35eb7/indicators-set/dd0e4168-e027-4ea6-892a-6596ce7290d4
eime
ANALYSIS
Radiateur (Ratio : 1.0)
Life Cycle Impact Analysis
Impact indicators
All impact indicators
Abiotic depletion (elements, ultimate ...
Abiotic depletion (fossil fuels) - ADPf f...
Acidification potential of soil and wate...
Air pollution - AP for DHUP
Eutrophication (fate not incl.) - EP for ...
Global warming (GWP100) - GWP for ...
Ozone layer depletion ODP steady sta...
Photochemical oxidation (high NOx) - ...
Water Pollution - WP for DHUP
Resources use
Waste categories
Other environmental information describing ...
Design indicators
Inventory
Calculate
Indicators for PEP ecopassport® - PCR 3 - 2015 / Life Cycle Impact Analysis / Impact indicators
Indicators for PEP ecopassport® - PCR 3 - 2015 | Impact
100
90
80
70
60
50
40
30
20
10
0
ADPe for EN15804
ADPf for EN15804
A for PEP
AP for DHUP
EP for EN15804
GWP for EN15804
Manufacturing A1-A3
Distribution A4
Installation A5
Use

Conclusion

CONCLUSION

Upcoming developments:

- Be able to know the total impact of a module used several times in a phase and identify the modules that generate 80% of the impacts on each indicator
- Be able to bookmark modules/flows/systems
- Be able to sort the lines of the central design interface (e.g. on the tracking results)

Any feedback to give us?

An online questionnaire will be shared with you in the coming weeks so that you can give us your feedback and submit your development proposals.

THANK YOU FOR YOUR

For more information

+ 33 (0) 1 40 95 62 18

codde@bureauveritas.com

https://codde.fr/en/

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38430 Moirans