

## **Importing Ecocosts CSV in Simapro**

For help: [joost@vogtlander.nl](mailto:joost@vogtlander.nl)

Step 1. Downloading Ecocosts CSV

Step 2. Preparing Simapro for import

Step 3. Importing Ecocosts CSV

Step 1. Downloading Ecocosts CSV : go to  
<https://www.ecocostsvalue.com/data/download-of-databases/>

## Download of databases for Simapro and OpenLCA

### Simapro software: eco-costs method, Idemat LCIs, and Ecoinvent LCIs

1. the [Ecocosts 2023 V1.0](#) csv for Simapro Version 9.4

Import this file in Methods. Note. Define in Units: Euro 1.16 USD, to avoid an error message during the import session

2. [Idemat 2023 csv](#) for Simapro 9.4 (for academic year 2021-2022)

This is a library file, to be used in the academic year 2021 - 2022.

3. Ecoinvent V3.8 for ecocosts calculations, "cut off", unit, csv for Simapro 9.4

(a) list of required modifications in Ecoinvent LCIs (fossil fuels embedded in materials, also required in EN15804), [see Excel file](#)

(b) CSV file on request, only for Ecoinvent v3 licensees

### OpenLCA software: eco-costs method, Idemat LCIs, and Ecoinvent LCIs

First, OpenLCA software is to be downloaded from [OpenLCA download](#). and installed.

After that, two files can be downloaded and imported in the OpenLCA software:

1. [Idemat 2023](#)

2. [Ecoinvent V3.8 for ecocosts calculations](#) (at the bottom of this Nexus Open LCA page)

the eco-costs calculation method is already included in these files.

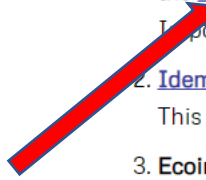
Click here for the [quick guide to OpenLCA](#) and the

[Information on Idemat and advice on Open LCA](#) (essential information for LCA practitioners)

### Content

- [Excel files with eco-costs](#)
- [Download of databases](#)
- [Idemat calculation rules](#)
- Tool for quick excel calculations
- Ashby Charts (eco-costs / quality charts)
- [Idemat & IdematLightLCA app](#)
- [App background info](#)

Click here to download  
the latest  
Ecocosts CSV file





## Step 2. Preparing Simapro for import (2)

Professional; Methods

File Edit Calculate Tools Window Help

LCA Explorer

| Wizards               | Name /    | Factor      | Unit | Quantity      | Metric | Calculate | Edit |
|-----------------------|-----------|-------------|------|---------------|--------|-----------|------|
| Wizards               | %         | 0.01        | n    | Dimensionless | *      |           | *    |
| <b>Goal and scope</b> | µBq       | 0.000001    | Bq   | Radioactivity | *      |           |      |
| Description           | µg        | 0.000000001 | kg   | Mass          | *      |           |      |
| Libraries             | µm        | 0.000001    | m    | Length        | *      |           |      |
| <b>Inventory</b>      | µPt       | 0.000001    | Pt   | Indicator     | *      |           |      |
| Processes             | 1000 per: | 1000        | p    | Amount        | *      |           |      |
| Product stages        | acre      | 4046.856    | m2   | Area          |        |           |      |
| System descriptic     | Bq        | 1           | Bq   | Radioactivity | *      | *         | *    |
| Waste types           | Btu       | 0.001055696 | MJ   | Energy        |        |           |      |
| Parameters            | CHF2005   | 1.02        | USD  | Currency      |        |           |      |
| <b>Impact assessm</b> | cm        | 0.01        | m    | Length        | *      |           |      |
| Methods               | cm2       | 0.0001      | m2   | Area          | *      |           |      |
| Calculation setup     | cm2a      | 0.0001      | m2a  | Land use      | *      |           |      |
| <b>Interpretation</b> | cm3       | 0.000001    | m3   | Volume        | *      |           |      |
| Interpretation        | cm3y      | 0.000001    | m3y  | Volume.Time   | *      |           |      |
| Document Links        | cu.in     | 1.638706E-5 | m3   | Volume        |        |           |      |
| <b>General data</b>   | cu.yd     | 0.7645549   | m3   | Volume        |        |           |      |
| Literature referen    | cuft      | 0.02831685  | m3   | Volume        |        |           |      |
| Substances            | day       | 86400       | s    | Time          | *      |           |      |
| <b>Units</b>          | dB        | 1           | dB   | Noise         | *      | *         | *    |
| Quantities            | DKK99     | 0.138       | USD  | Currency      |        |           |      |
| Images                | dm        | 0.1         | m    | Length        | *      |           |      |
|                       | dm2       | 0.01        | m2   | Area          | *      |           |      |
|                       | dm3       | 0.001       | m3   | Volume        |        |           |      |
|                       | EUR2003   | 1.14        | USD  | Currency      |        |           |      |
|                       | EUR2015   | 1.25        | USD  | Currency      | *      |           |      |
|                       | Euro      | 1.16        | USD  | Currency      | *      |           |      |
|                       | ft        | 0.3048      | m    | Length        |        |           |      |
|                       | g         | 0.001       | kg   | Mass          | *      |           |      |
|                       | gal*      | 0.003785412 | m3   | Volume        |        |           |      |

Check in Units that:  
Euro 1.16 USD  
to avoid an import error

Note: after the import of  
ecocosts CSV you may reset  
this data line to your own value

## Step 2. Preparing Simapro for import (3)

Go to Methods

Click on File

Then, click on Import

The screenshot shows the LCA Explorer software interface. The 'File' menu is open, displaying options such as 'New Project', 'Open Project', 'Close Project', 'New SimaPro Database', 'Open SimaPro Database', 'Close SimaPro Database', 'Database Management', 'Save', 'Save As', 'Print', 'Print Setup', 'Import', 'Export', 'Export to Platform', 'Import SimaPro Database', 'Export SimaPro Database', 'Export to Matrix', and 'Exit'. Red arrows point from the text instructions to the 'File' menu and the 'Import' option. The 'Methods' list on the right shows various databases and their versions, with 'ecocosts 2017 V1.8' selected. The 'Normalization/Weighting' section is set to 'standard'. The bottom status bar shows version information.

| Name                      | Version | Project |
|---------------------------|---------|---------|
| CML-IA baseline           | 3.08    | Methods |
| CML-IA non-baseline       | 3.06    | Methods |
| ecocosts 2017 social V1.0 | 1.00    | Methods |
| ecocosts 2017 V1.8        | 1.08    | Methods |
| ecocosts 2022 V1.1        | 1.01    | Methods |
| Ecological Scarcity 2021  | 1.00    | Methods |
| EF 3.0 Method (adapted)   | 1.03    | Methods |
| EN 15804 + A2 Method      | 1.03    | Methods |
| EN 15804 +A2 Method       | 1.01    | Methods |
| Environmental Prices      | 1.03    | Methods |
| EPD (2018)                | 1.04    | Methods |
| EPS 2015d                 | 1.02    | Methods |
| EPS 2015dx                | 1.02    | Methods |

Normalization/Weighting set to: standard

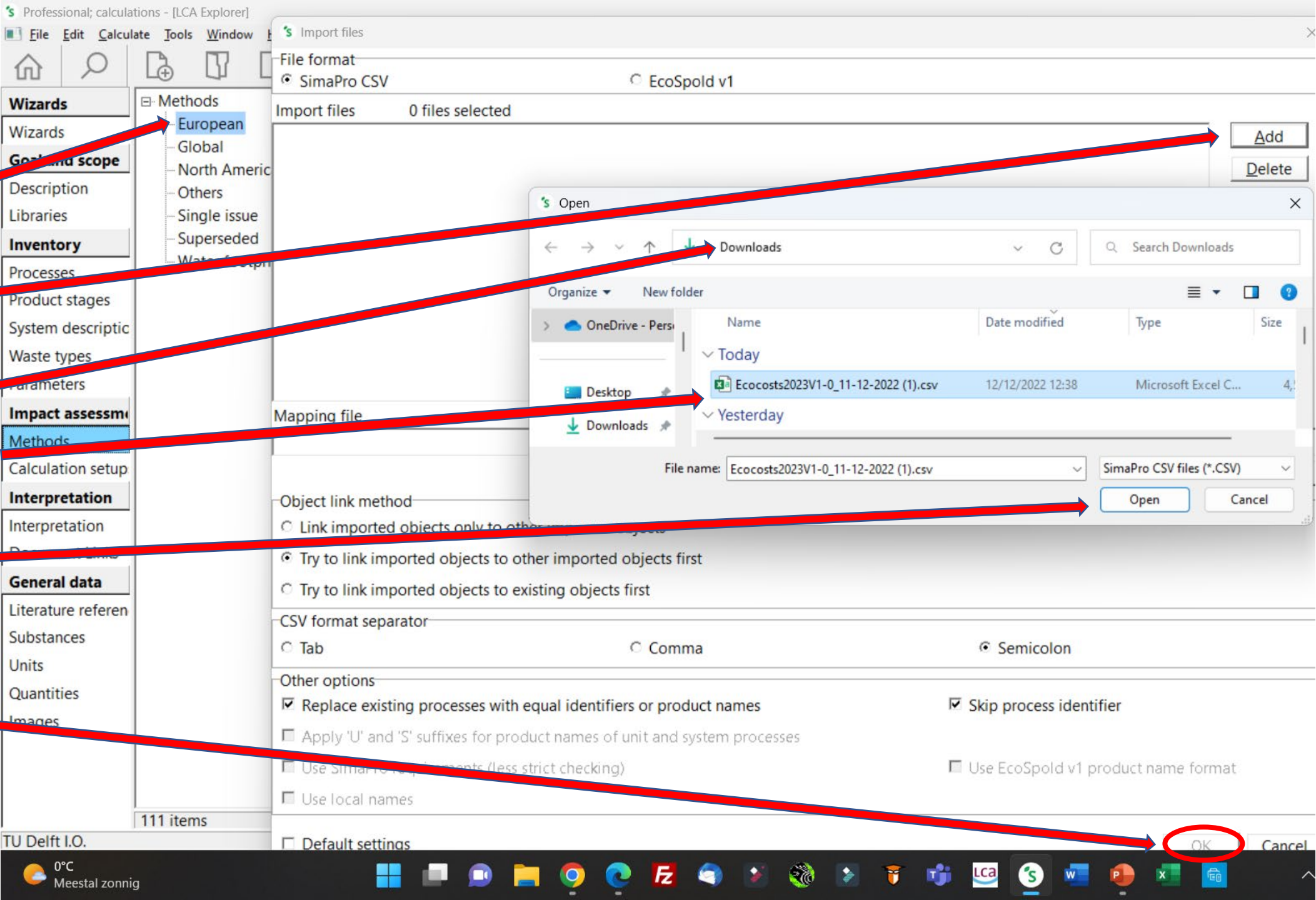
Version 2.0.: Usesetox tables in january 2012 (before usetox final final calculations & scarcity added.  
Version 3.0.: Social issues added in jan 2016  
Version 2017 V1.1 revised from 2012 in april 2017

Step 3. Importing ecocosts (1)

Make sure its on European, then, click on Add, then, click on downloads plus Ecocosts 2023 CSV and,

Open, Check ticked choices And finally,

OK





Step 3. Importing ecocosts (2)

Importing data in progress

Professional; Methods

File Edit Calculate Tools Window Help

Home

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Redo

A+B =

D+A 42

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Wizards

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Interpretation

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Substances

Units

Quantities

Images

Methods

European

Global

North American

Others

Single issue

Superseded

Water footprint

| Name                      | Version | Project |
|---------------------------|---------|---------|
| CML-IA baseline           | 3.08    | Methods |
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| ecocosts 2017 social V1.0 | 1.00    | Methods |
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| EN 15804 + A2 Method      |         |         |
| EN 15804 +A2 Method       |         |         |
| Environmental Prices      |         |         |
| EPD (2018)                |         |         |
| EPS 2015d                 |         |         |
| EPS 2015dx                |         |         |

Status

Importing data files

23%

Reading import file: C:\Users\joost\Downloads\

Cancel

Normalization/Weighting se

Ecological scarcity 2021, eiv3

Ecological Scarcity 2021

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Swiss ecofactors 2021 based on the Ecological Scarcity method, which corresponds to the files provided by treeze Ltd., fa

(version 1.4). This is the 5th generation of ecofactors and an update of the Ecological Scarcity 2013 method. The method

110 items

1 item selected

Default: (No method selected)

Step 3. Importing ecocosts (3)

Click OK

Professional; Methods

File Edit Calculate Tools Window Help

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Global

North Am

Others

Single iss

Supersed

Water foc

110 items

Import overview

SimaPro has selected the objects listed below. These objects will be imported from the import-file(s). Continue?

Categories

Substances

Units

Quantities

Summary

Processes

Product stages

Methods

Waste types

Literature references

System descriptions

| Type    | Count | Remark        |
|---------|-------|---------------|
| Methods | 1     | will be added |

Show import file

Print

Store

Copy

Copy added data to mapping

OK

Cancel

1 item selected

Default: (No method selected)

TU Delft I.O.

9.4.0.1 PhD

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Windows Taskbar

Icons: Start, Task View, File Explorer, Google Chrome, Microsoft Edge, Firefox, Telegram, Discord, Spotify, Zoom, Lca, Simapro, Word, PowerPoint, Excel, OneDrive



Step 3. Importing ecocosts (4)

Click on Methods

Professional; Methods

FileEditCalculateToolsWindowHelp

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Redo

A+B=

D+A42

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Calculate PAS2050

Calculates the carbon storage and delayed emissions according to PAS2050. The result is one or more life cycles which you can link into your carbon footprint

LCA Wizard

The LCA wizard helps you to set up your LCA model. It is particularly useful when you want to model advanced end of life scenarios.

Select method

This wizard connects to the PRé web site. By answering a few questions we can help you to select an appropriate impact assessment method for your project.

TU Delft I.O.

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Windows

Taskbar icons

Professional; Methods

FileEditCalculateToolsWindowHelp



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| EPS 2015d                 | 1.02    | Methods |
| EPS 2015dx                | 1.02    | Methods |

Normalization/Weighting se

eco-costs 2023

For detailed information on th eco-costs 2023 V1.0 system: see [www.ecocostsvalue.com](http://www.ecocostsvalue.com)

Note: the eco-costs 2023 V1.0 has a factor 1.06 in comparison to the eco-costs 2022 V1.2, expt from human toxicity cancer and non-cancer. Furthermore Landfill has been added

111 items

1 item selected

Default: (No method selected)

New

Edit

View

Copy

Delete

Used by

Check

Set as default

Final Result

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ENG

INTL

13:19

12/12/2022