

Import Databases

- Step 1: Download latest Ecocosts + Idemat database for SimaPro
- Step 2: Extract and import databases
- Step 3: Verify

(SKIP all on university computer or VPN)

Step 1: Download latest Ecocosts + Idemat database for Simapro

Browse to
ecocostsvalue.com/dta-tools-books/

Download latest
Ecocosts + Idemat (~ 2GB)

ta-tools-books/

(scope 3)

Home Mission Eco-costs LCA CSRD Social Value EVR Idemat,Tools,Books

behind password

Note. Because of license restrictions, the Ecoinvent data sets are only available for students of the Delft University of Technology, with a net id, <https://software.tudelft.nl/413/>

- For the **Dutch industry**: eco-costs and carbon footprint estimates per kWh of the Dutch electricity providers.
See [Dutch electricity data 2021](#).
This dataset is based on the actual purchases of electricity, rather than the GO's (GOs are not suitable for LCA, as they are used for greenwashing, [see this explanation](#)).
Note, please contact us in case you think that your company scores better at the moment.

the Idemat excel and Ecoinvent excel have more or less the same structure of LCI lines, so it is easy for students to check the differences. However, both datasets have differences in special areas: Ecoinvent has a more data on chemicals and chemical processes, Idemat is stronger in the field of product design and engineering (e.g. plastics, textiles, alloys, and wood species). Both datasets are strong in types of electricity in different countries.
Specific features of Idemat are:

- a correction of the "market mix" data of metals
- extra LCIs of wood types (softwood types as well as hardwood types)
- LCIs for electricity that are more up-to-date than Ecoinvent
- newer data on sea and road transport
- extra LCIs of End of Life (combustion, waste incineration, recycling)
- transparency: where required, the scientific source (paper, report, or database) is given

Simapro users can download an Import file of Idemat free of charge.
Open LCA commercial users pay a low fee for Idemat (but the software is free). For Academic users, Idemat in Open LCA is free.
The Idemat excel file is CCBY NC open access (for details, see below). It is the basis for the Idemat App for Materials Selection on IOS and Android, as well as the IdematLightLCA App.
Previous versions (to check old reports, theses, and papers) are available on request.

Third party verification

The majority of the LCI data in the Idemat database originate from **peer-reviewed** scientific papers, scientific books, reports and PhD theses, and highly respected databases. So, the source data of Idemat have undergone an extensive quality check, and they are assumed to be right.
Nevertheless, the board of the Sustainability Impact Metrics Foundation has selected The Footprinters for a **third party verification** of the idemat data. In this final verification step, it is

depletion can be found in the table below (open access at the internet).

[Ecocosts_2025RevA3_midpoint_tables.xlsx](#) excel file (0.8 MB)
Previous versions are available on request

Social eco-costs

An innovative dataset can be found in the [S-LCA tool](#)

Database for Simapro

Only for license owners: eco-costs method, Idemat LCIs, and Ecoinvent 'for eco-costs' LCIs :
the [Ecocosts 2025 V2.1 + Idemat2025RevA7](#) database (zip) for the Simapro Craft Version 9.10.2 (as it is used at the University)
Specific LCIs only on request

Database for OpenLCA

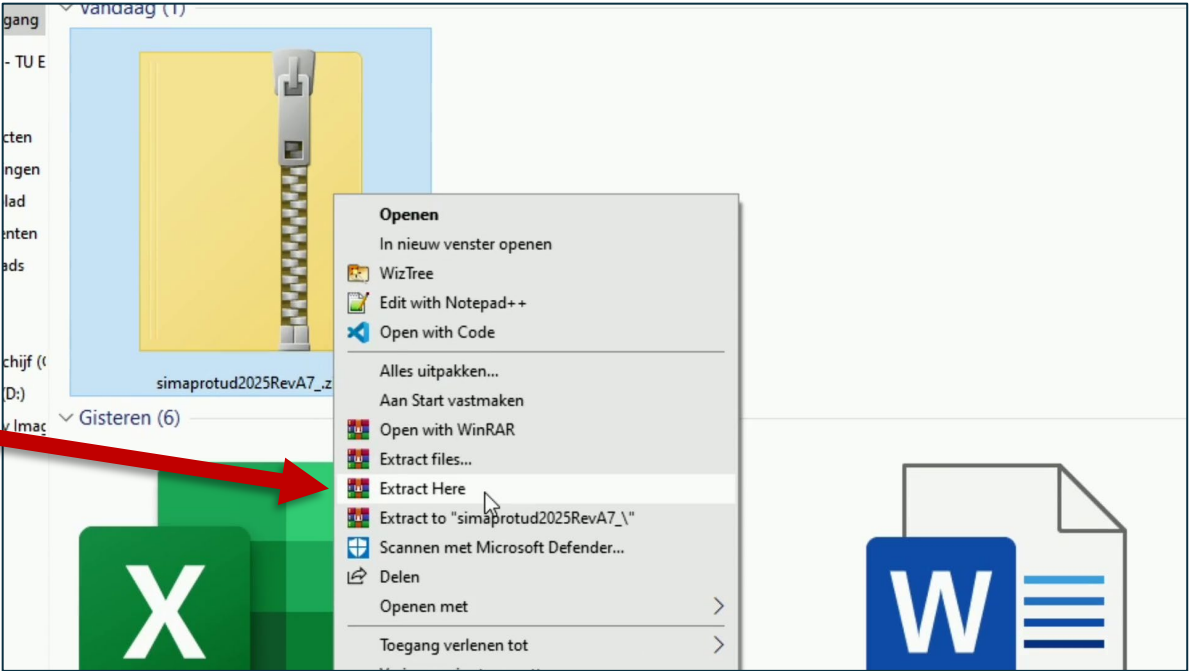
OpenLCA software: eco-costs method, Idemat LCIs, and Ecoinvent LCIs
OpenLCA software is to be downloaded from [OpenLCA download](#). and installed. After that, two files can be downloaded and imported in the OpenLCA software (eco-costs method included):

1. [Idemat 2023](#)
2. [Ecoinvent V3.8 for ecocosts calculations](#) (at the bottom of this Nexus Open LCA page)

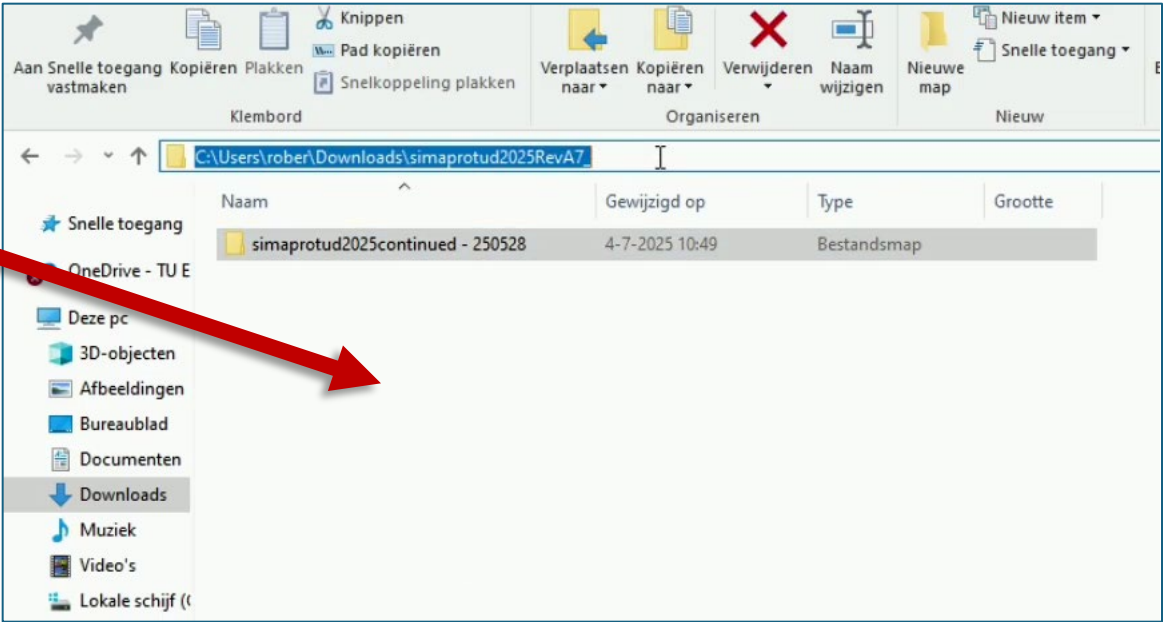
Click here for the [quick_guide_to_OpenLCA](#) and the [Information on Idemat and advice on Open LCA](#) (essential information for LCA practitioners)

Step 2: Extract and import databases

Extract the .zip using your systems unzip tool



Remember/write down the location it is extracted to



Step 2: Extract and import databases

Open SimaPro

Do NOT open a project
(this is the
wrong library)

Click file

The screenshot shows the SimaPro software interface. The main window displays the 'Substances' library with a list of chemical elements and compounds. A red arrow points from the 'File' menu in the top-left corner to the 'Open SimaPro' text. Another red arrow points from the 'Click file' text to the 'File' menu. A 'Projects' dialog box is open in the foreground, showing a list of projects. The 'Introduction to SimaPro' project is selected. The dialog box also contains a description of the software and a 'Close' button.

Substances List:

Substance	Unit	CAS number
Actinium	kg	007440-34-8
Air	kg	132259-10-0
Aluminium	kg	007429-90-5
Anhydrite	kg	014798-04-0
Animal ma		
Anodes (u		
Antimonite		
Antimony		
Apatite		
Argon		
Argon-40		
Arsenic		
Barite		
Barium		
Basalt		
Bastnaesite		
Bauxite		
Beryllium		
Biomass		
Bismuth		
Borax		
Boron		
Bromine		
Cadmium		
Calcite		
Calcium		
Calcium ch		
Calcium sulfate	kg	007778-18-9
Carbon	kg	

Projects Dialog Box:

Name	Type	Protection
Introduction to SimaPro	Project	
Tutorial	Project	

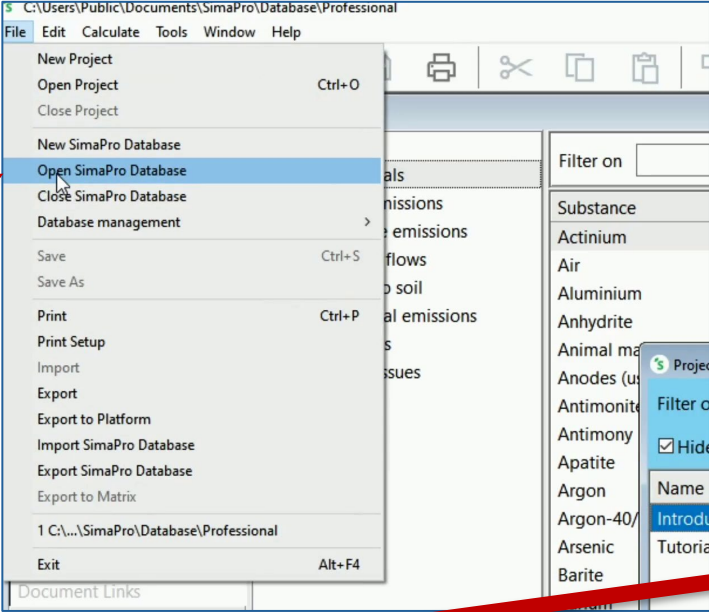
Project Description:

This is a fictional comparison between two types of coffee machines for household use. It is a simplified example intended to show the features of SimaPro. The same example is also used in the Guided Tour script. A description can be found in the demo and user manuals.

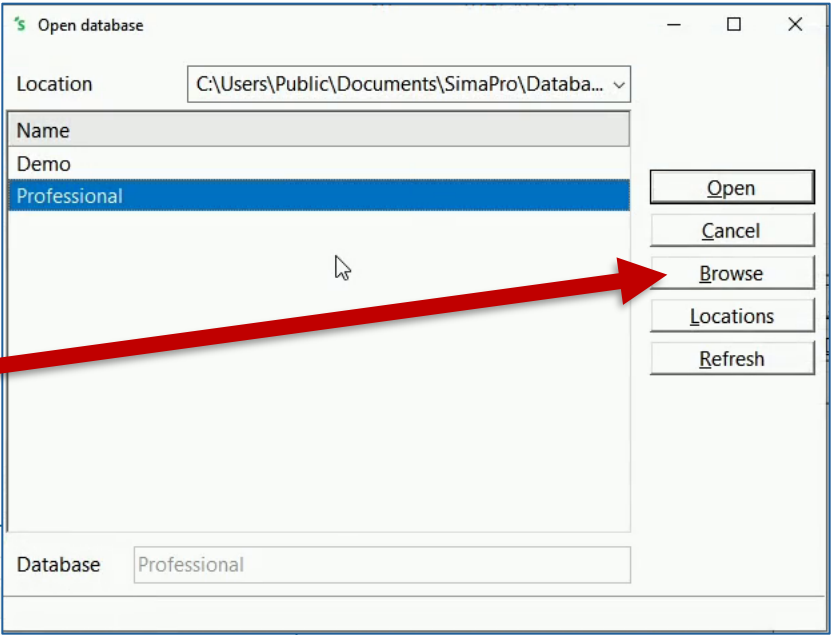
Two different coffee machines (filter type) are analysed. The housing of coffee machine "model Sima" is made of plastic and uses a glass jug. It has a heating element to keep to coffee hot. Coffee machine "model Pro" is made of extruded aluminium parts and uses a thermos jug to keep the coffee warm. Water and coffee consumption is not included, as we assume these parameters cannot be influenced by the designer.

Step 2: Extract and import databases

Open SimaPro database

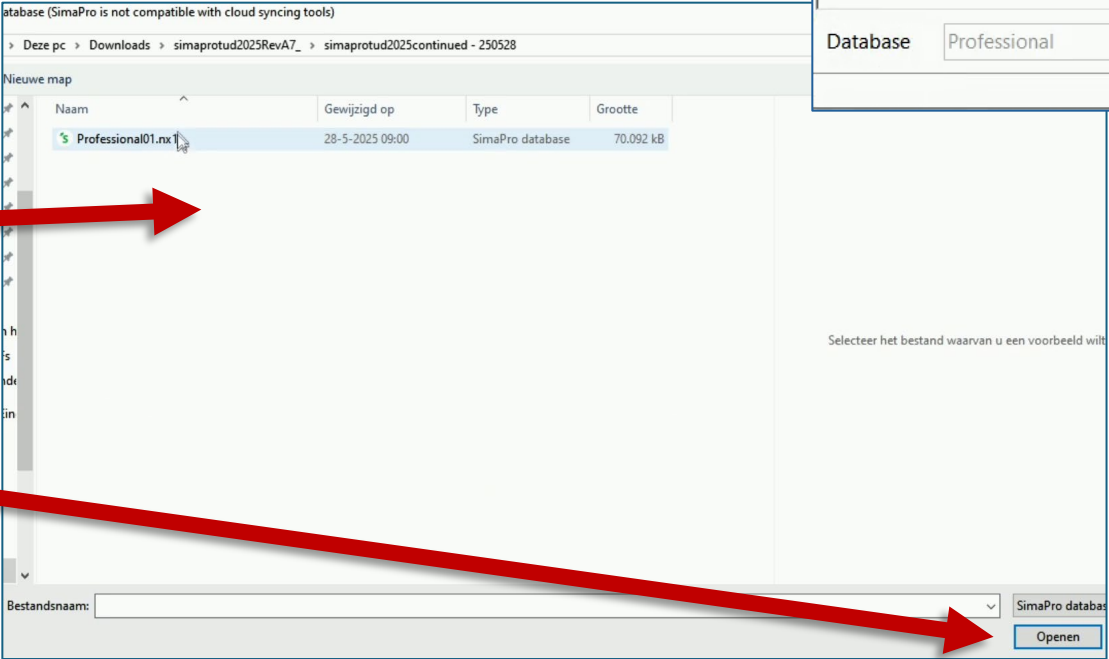


Click browse



Navigate to your folder

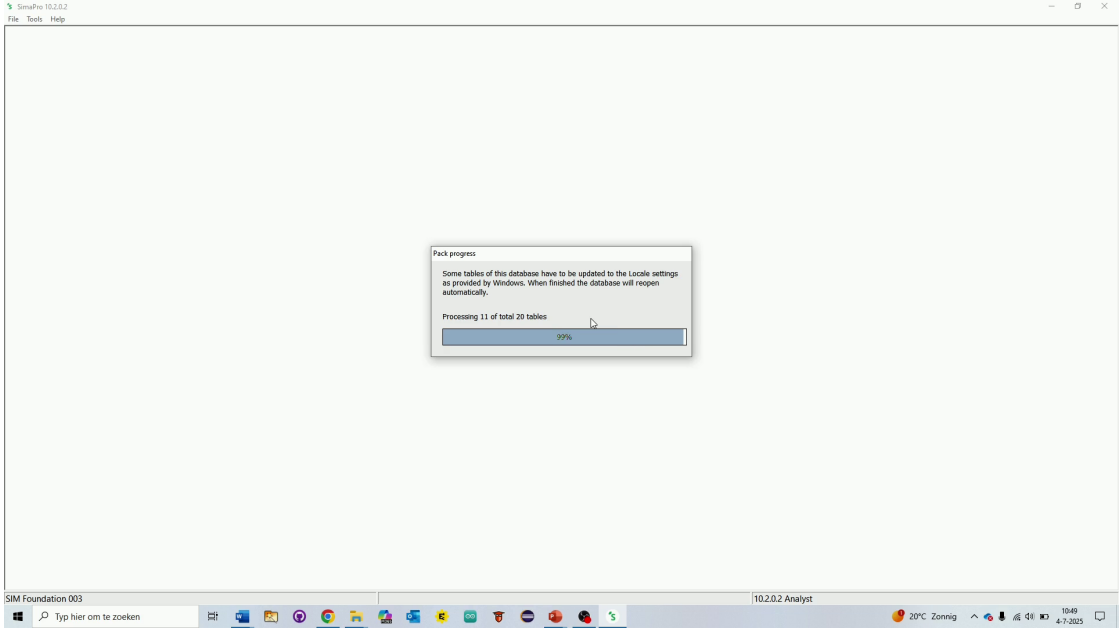
With professional01.nx1



Open

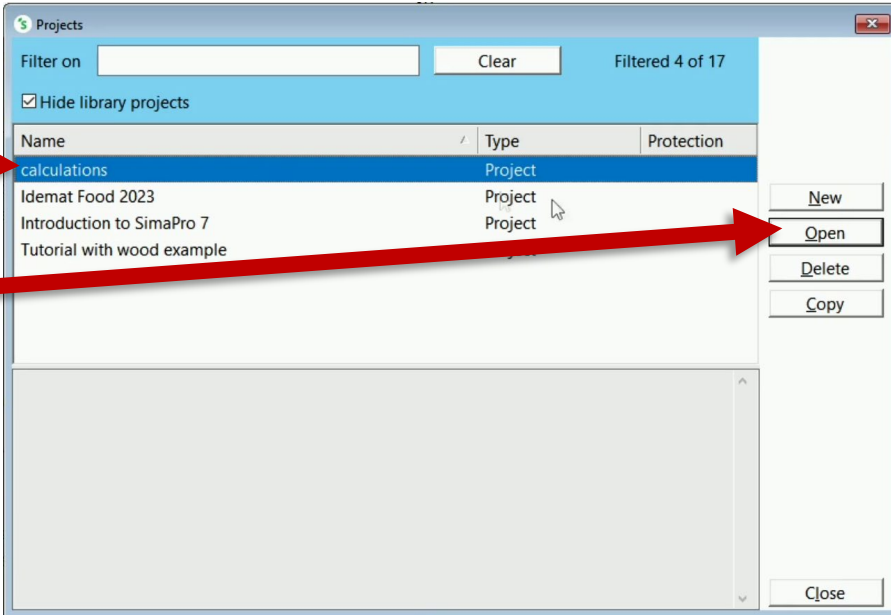
Step 2: Extract and import databases

The database will now load



Click on calculations

Open



Step 3: Verify

The database is now opened

Click on Methods

Verify that ecocost is in the list

Goal and scope

Description

Libraries

Inventory

Processes

Product stages

System descriptions

Waste types

Parameters

Impact assessment

Methods

Calculation setups

Interpretation

Interpretation

Document Links

General data

Literature references

Substances

Units

Quantities

Processes

Material

.Key LCIs Idemat Dynamic

.Proxi data, chemicals, Classyl

.Scope 1 and downstream en

.tests

Agricultural

Ceramics

Chemicals

Construction

Electronics

Fibers

Food

Food new

Fuels

Glass

Laminates

Metals

Others

Paper and packaging

Paper+ Board

Plastics

Test

Textiles

Water

Wood

Energy

Transport

Processing

Use

Waste scenario

Waste treatment

2527 items

Filter on

and or

Clear

19

Name	Unit	Waste type	Project	Status
Jdematfood2023 Key LCI bulk carrier	tkm	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI Diesel low-sulphur incl comb (kg)	kg	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI Diesel low-sulphur incl comb (MJ)	MJ	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI drinking water	kg	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI electricity industry europe (kWh)	kWh	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI electricity NL (kWh)	kWh	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI electricity Spain (kWh)	kWh	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI Fertilizer K	kg	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI Fertilizer N	kg	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI Fertilizer P	kg	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI Gas (heat, MJ)	MJ	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI PA 6	kg	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI pesticides	kg	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI rape oil, europe	kg	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI steel	kg	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI stonewool	kg	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI sulphuric acid	kg	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI truck+container 28 tons	tkm	not defined	IDEMAT Dynamic	None
Jdematfood2023 Key LCI truck+trailer 24 tons	tkm	not defined	IDEMAT Dynamic	None

Methods

Version

Project

CML-IA baseline

3.11

Methods

CML-IA non-baseline

3.09

Methods

ecocosts 2017 social V1.0

1.00

Methods

ecocosts 2017 V1.8

1.08

Methods

ecocosts 2022 V1.1

1.01

Methods

ecocosts 2023 V1.2

1.02

Methods

ecocosts 2024 V2.0

2.00

Methods

ecocosts 2024 V2.1

2.01

Methods

ecocosts 2025 V1.0

1.00

Methods

ecocosts 2025 V2.1

1.00

Methods

Ecological Scarcity 2021

1.04

Methods

EN 15804 + A2 (adapted)

1.03

Methods

EN 15804 +A2 Method

1.01

Methods

Environmental Footprint 3.1 (adapted)

1.03

Methods

Environmental Prices (E)

1.01

Methods

Environmental Prices (H)

1.01

Methods

Environmental Prices (I)

1.01

Methods

EPD (2018)

1.07

Methods

EPS 2015d

1.05

Methods

EPS 2015dx

1.05

Methods

Normalization/Weighting set

eco-costs 2025

ecocosts 2025 V1.0

1.00

Me

ecocosts 2025 V2.1

1.00

Me

Ecological Scarcity 2021

1.04

Me