

# SimaPro desktop 10.4

What's new?

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## About SimaPro

SimaPro is life cycle assessment software that helps organizations measure and analyze the environmental impacts of products across their entire life cycle. Built on extensive datasets and established scientific methods, the software provides transparent insights that support product development, sustainability strategy, and environmental reporting.

Used by industry and academia in more than 90 countries, SimaPro enables advanced modeling and scalable environmental impact calculations across teams. With more than 35 years of development behind it, SimaPro is widely trusted in the global LCA community. SimaPro is part of the One Click LCA group.

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# 1 Introduction

This document describes the changes in SimaPro desktop 10.4 ([formerly known](#) as SimaPro Craft). This version provides ecoinvent 3.12 as the main data library update along with some updates on methods, as well as a new method that complies to the ISO 14067 standard, namely IPCC 2021 – ISO 14067. In addition, several improvements and software fixes have been implemented in the software.

We hope you have a smooth experience updating to SimaPro 10.4 and feel free to [reach out to us](#) for feedback and further suggestions.

## 2 Software updates

### 2.1 New features and improvements

This release brings a series of new features improvements to enhance your SimaPro experience, including:

- **Integrated Login in SimaPro**  
Starting with this release, we implemented integrated login in SimaPro to make access to the software more secure and consistent. This allows user verification through a secure login process before granting access to the software, hence, ensuring secure access and license compliance. Please note that you will need internet connection for daily authentication. See this [article](#) for further information on how to access SimaPro using the integrated login. If SimaPro is used in an offline or restricted environment, we recommend reviewing this requirement before installing or updating to this version. For now, this integrated login is not required for SimaPro Faculty and SimaPro Classroom license holders.
- **SimaPro Ideas Board**  
We have introduced SimaPro Ideas Board where users can suggest new features and vote on ideas from others. This provides a structured way to collect feedback and helps guide future improvements based on user input. You can access the Ideas Board in SimaPro by going to Help > SimaPro Ideas Board.
- **Improved validation for lognormal distributions**  
SimaPro now prevents the use of a parameter value of 0 with a lognormal distribution. This combination is mathematically not allowed and could lead to incorrect uncertainty results in previous versions. Starting with this version, SimaPro will detect this combination and if so, an error message will be shown and the calculation will not proceed until corrected. Please note that if you had used a parameter value of 0 with lognormal distribution in the previous SimaPro versions, the results may have been incorrect. This has now been corrected in this version to ensure reliable results.
- **Cumulative results enabled by default in Network and Tree calculations**  
For every new calculation, the “Show cumulated indicators” (presented as  $\Sigma$  button in Network or Tree) will now be selected by default. This is to ensure aggregated results are

shown immediately and to reduce confusion.

- **Improved CSV export**

Exporting processes to CSV will now include only units that are actually used (e.g. linked to substances, product flows, methods or calculation setups) along with their default calculation units. This prevents import errors and avoids adding unused units to the recipient database.

## 2.2 Bug fixes

SimaPro 10.4 includes the following bug fixes that were present a previous version:

- Fixed an issue where entering a valid temporary license is not recognized in SimaPro.
- Resolved an error that occurred when dragging an analysis group outside the defined grid area.
- Resolved issues with adding "Additional life cycles" where the new entry is not stored.
- Fixed formatting issues when copying results to Excel, where column headers and values are misaligned.
- Addressed a problem where text could not be pasted to some fields under the "**Documentation**" tab in the process form, especially in the "**External Links**" field, the associated comment field, and the comment field in the "**Literature reference**" field.
- Resolved "Aggregated Exception" error that could occur when opening or importing a database on systems with certain cloud drive configurations (for instance, when Google Drive is installed despite it is not actively used as a database path).

## 2.3 Known issues

There are a few known issues in the software that we are currently working on:

- **Language support**  
Some texts, especially warnings and error messages may not yet be (correctly) translated to the chosen language in SimaPro. The text will be shown in English instead.
- **Cropped texts in languages other than English**  
Some texts may appear cropped in certain languages other than English, either within buttons or elsewhere in the interface. We are working on resolving this to ensure all texts are displayed fully. You can try to reduce the font size or adjust your screen resolution as a workaround in the meantime.
- **SimaPro only supports Boolean conditions in combination with multiplication**  
Although Boolean conditions can now be combined with multiplication (\*), other operators such as addition (+), subtraction (-), and division (/) are not yet supported. We plan to expand this functionality in future updates. In the meantime, you can define each Boolean condition as calculated parameter as a workaround.
- **External link manager doesn't work to reflect renamed Excel fields**  
When you link "Outputs to technosphere: products and co-products" field to Excel via "Insert External Link" (only available for Developer/Power user license type) and the Excel file is renamed, updating it via Tools > External link manager doesn't update the stored

file path correctly. As a result, SimaPro continues to reference the old location. The workaround would be to update the file path manually. **Note:** this issue only affects Developer/Power user license holders and only occurs specifically in "Outputs to technosphere: products and co-products" field. Other fields are not affected.

## 3 Data library changes

### 3.1 ecoinvent 3.12

With the release of ecoinvent v3.12, the ecoinvent database integrates around 1300 new datasets, also with expanded geographical coverage. Sectors updated with this version include fuels, energy, chemicals and plastics, batteries and electronics, building and construction, waste, agriculture, forestry and wood, pulp and paper, textiles, waste management, metals and transport. More information on new and updated data can be found [here](#).

Furthermore, waste scenarios have been updated to use more recent recycling, incineration and landfill rates as well as to correct some issues with the earlier waste scenarios such as links to non-matching waste treatments. Waste scenarios are created by SimaPro (thus not reviewed by ecoinvent) but link to ecoinvent waste treatment processes.

The ecoinvent 3 – allocation, cut-off by classification (unit and system) libraries are provided by default in the Professional database. To access additional system libraries, such as APOS, Consequential, an additional download is available from this [webpage](#) (free for licensed users).

#### **Not all ecoinvent libraries will be updated after database update**

Only the ecoinvent 3 – allocation, cut-off by classification (unit and system) libraries are provided by default in the Professional, Update104 and FullUpdate104 databases. This is to deter users from using different models within a project, and to improve data management/updates in general.

As such, after updating your database, the ecoinvent 3 – allocation, cut-off by classification data library will show version 3.12 while other ecoinvent libraries (APOS and Consequential) will remain unchanged (so their version number may show as 3.11 or earlier).

If you wish to update those additional libraries as well, version 3.12 will be available from this [webpage](#).

### 3.2 International Molybdenum Association (IMOIA)

In 2000, the International Molybdenum Association (IMOIA) completed a Life Cycle Inventory (LCI) for three molybdenum products for metallurgical applications. In 2008 and again in 2018, IMOIA updated the LCI to increase production representativeness and further improve the data quality with current facility and background data.

As such, SimaPro 10.4 brings an update of the following 3 datasets (available in the Industry 2.0 library):

- Molybdenum Tech Oxide powder (input to steel & chemicals)/GLO S
- Molybdenum Tech Oxide Briquette (input to steel)/GLO S
- Ferromolybdenum (FeMo)/GLO S

As well as introducing one new dataset: Molybdenum Concentrate (average ore type)/GLO S

#### List of datasets included in SimaPro desktop

If you wish to see a complete list of which databases and datasets are available for users in SimaPro desktop, please check this [page](#).

### 3.3 Agri-footprint 7.0.1.1

Users reported an issue, where switching between unit and system libraries in Agri-footprint 7.0.1.1 could occasionally fail. This bug has been resolved by adding the appropriate extensions for each library in the project description.

#### BAFU:2025 New additional data library

The Swiss Federal Administration's life cycle inventory (LCI) database, BAFU:2025, offers over 11,000 third-party reviewed and mostly disaggregated datasets across 176 categories—from construction to waste management.

This library is now available in SimaPro format and is provided as an additional download for free, provided that the One Click LCA and SimaPro General Service Terms have been accepted. For more information, please refer to this [webpage](#).

## 4 Changes to impact assessment methods

### 4.1 New methods | IPCC 2021 - ISO 14067 Method

The ISO 14067 method, according to the ISO 14067:2018 standard, is an adapted version of the IPCC 2021 GWP100 (incl. CO<sub>2</sub> uptake) method.

Contrary to the IPCC 2021 GWP100 (incl. CO<sub>2</sub> uptake) method, the ISO 14067 method characterizes aircraft emissions separately to fossil emissions. Aircraft emissions encompass all fossil emissions within the stratosphere and stratosphere + troposphere subcompartments. Therefore, aircraft emission can be calculated and/or reported separately in alignment with the ISO 14067:2018 standard.

## 4.2 Updates of existing methods

Characterization factors have been added for new geographies for some water related substances in all applicable methods.

Additionally, in Ecological Scarcity 2021 the characterization factors for water extraction flows of the geography Serbia (RS) were corrected. For more details on the changes, please see the comments of the individual methods, section “# Other adaptations (December 2025... SimaPro 10.4)”.

### **Methods Manual**

For more detailed overview of impact assessment methods available in SimaPro desktop, please check the [Methods Manual](#).

## 5 Contact us

We value your feedback and would love to hear your opinion on this latest SimaPro release. Please feel free to reach out for any questions or suggestions.

- In SimaPro: Help > Contact SimaPro Support (recommended)
- E-mail: [support@simapro.com](mailto:support@simapro.com)