

SimaPro Craft 10.3

What's new?

Title: SimaPro Craft 10.3 What's new?

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Version: 1.0

Date: November 2025

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About SimaPro

SimaPro was developed by PRé with the goal of making sustainability a fact-based endeavor. PRé has been a leading voice in sustainability metrics and life cycle thinking development for 35 years, pioneering the field of environmental and social impact assessment. We develop tools that help you create value and drive sustainable change.



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1 Introduction

This document describes the changes in SimaPro Craft (formerly known as SimaPro desktop) 10.3. This version provides Agri-footprint 7 as the main data library update along with some impact assessment method updates. In addition, a number of new features, improvements and bug fixes have been implemented in the software.

We hope you have a smooth experience updating to SimaPro Craft 10.3 and feel free to [reach out to us](#) for feedback and further suggestions.

2 Software updates

2.1 New features and improvements

We are happy to introduce the following new features and improvements:

- **Performance optimization for multi-users when carrying out load-intensive operations at the same time.** Performance as well as the message shown have been improved, so a user does not have to wait as long for another user to finish the operation.
- **Automatic library selection upon CSV import.** When importing CSV files, libraries that are mentioned in the CSV file header will now be automatically recognized and selected in SimaPro, reducing the chance of import errors.
- **Automatic conversion when importing an older database with a different technical format.** Older databases with a different technical format are now automatically recognized and converted during the import process. For example, if you want to import [additional databases](#) that are in SimaPro 9 format into your SimaPro Craft 10, you can directly do so. Previously, you first have to open the database manually to perform the conversion and then go back to the import step.
- **It is now possible to directly overwrite perpetual licenses with subscription licenses** by simply entering your new registration details via Help > Register SimaPro (after running the software as Administrator via right-mouse click). This change supports our transition toward subscription-based licensing and makes updating your license details smoother in SimaPro.
- **Improvements on the error messages.** We have implemented more detailed info on some errors, such as:
 - On the output lists of "Check expressions" (under File > Database management). A reference to which parameter corresponds to the error is now mentioned rather than only having a general syntax error.
 - When SimaPro throws "Residue out of range" error. The error message has been improved and it is now possible to pinpoint which process cause the error.

- **Some improvements on the UI:**
 - Buttons will now automatically adjust to fit text length, reducing the chance of cropped texts.
 - Increase amount of visible characters when filtering for processes.

2.2 Bug fixes

In addition, this release includes the following bug fixes that were present the previous SimaPro Craft version:

- Fixed issues with not being able to run Monte Carlo analysis with AGRIBALYSE unit processes as well as improved warning messages.
- Fixed issues in expression handling where you can now combine Boolean conditions with multiplication (*) in your expressions. **Note:** always enclose the Boolean conditions (like a = 0) in parentheses when combining them with multiplication to ensure calculations run correctly.
- Corrected the character length for characterization and damage assessment unit in the method editor to 12 (previously limited to 10).

2.3 Known issues

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

- 'Cannot read user info' error message appears when importing the (full)update database. This error message can appear to some users and is caused by differences in Windows locale. A workaround is available at the moment: open the (Full)Update database first and then go back to the import SimaPro database step.
- 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
Despite the improvements made in button resizing, there are still chances where 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.
- 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 the future updates. In the meantime, you can define each Boolean condition as calculated parameter as a workaround.

3 Data library changes

3.1 Agri-footprint 7

Agri-footprint offers comprehensive, consistent, comparable and transparent life cycle inventory(LCI) data globally. This release integrates over 4800 datasets with regionalized data from over 63 countries. The data is also aligned with global standards like ISO14040/44 and PEF. With this latest version, also the background data has been updated (from FAO, and the use of ecoinvent 3.10 instead of 3.8). Three allocation methods are available: economic, mass and energy.



With the release of SimaPro Craft 10.3, only Agri-footprint 7 economic allocation is included by default in the SimaPro Professional, Update1030, FullUpdate1030 databases. The remaining Agri-footprint 7 mass and energy allocation libraries will be available as [a separate download](#) for free for SimaPro users with a valid subscription or service contract.

4 Changes to impact assessment methods

4.1 IMPACT World+

IMPACT World+ is a life cycle impact assessment method which characterizes thousands of substances spanning across various compartments and sub-compartments of the environment. It differentiates 19 impact categories at midpoint level and 34 impact categories at damage level. The v2.1 update is the biggest update of the IMPACT World+ method in many years as it introduces new impact categories and updates many models with the latest available research. IMPACT World+ version 2 comes in three interpretation levels: Expert, Midpoint and Footprint.

The Expert version is tailored for experienced users, the Midpoint version is intended for practitioners who prefer to operate at the midpoint level and the Footprint version is designed for practitioners with limited expertise in LCA and impact assessment.

The Expert and Midpoint versions encompass all recommended indicators, categorized at the damage and midpoint levels, respectively. The damage-level indicators are further aggregated into Areas of Protection (AoPs), specifically human health and ecosystem quality.

It must be noted that some indicators, such as fossil and nuclear energy use and mineral resources use, are only available at the midpoint level. Thus, if these indicators are considered of interest for a given study along with the AoP indicators, both versions of the method should be used.

4.2 AWARE 2.0

AWARE (Available WAtter REmaining) represents the relative available water remaining per area in a region/watershed after the demand of humans and aquatic ecosystems has been met. It assesses the potential of water deprivation, to both humans and ecosystems, assuming that the less water remaining available per area, the more likely another user will be deprived. AWARE is a midpoint indicator expressed in m³ world eq. Characterization factors (CFs) of AWARE quantify the relative water scarcity of an average m³ of water withdrawn in a region, on a scale from 0.1 to 100, with a value of 1 corresponding to the world average. A value of 10, for example, indicates a region where there is 10 times less available water remaining per area than the world average.

AWARE is the recommended method from WULCA to assess water consumption impact assessment in LCA. In May 2016, the method was appointed by the Life Cycle Initiative as the global consensus method for water footprinting. This method is also used in the Environmental Footprint impact assessment method developed by the European Commission.

In 2025, AWARE2.0 was published in an effort to increase data transparency and consistency, while alleviating some general limitations of the previous characterization factor dataset. AWARE2.0 explicitly considers the special cases of river deltas, inland sinks, and subdivided river basins and furthermore benefits from an improved representation of basin area, increased responsiveness of environmental water requirements to seasonal flow patterns, and a more appropriate water consumption definition.

AWARE2.0 was created by a smaller team than AWARE, intending to remain within the limits of the initial consensus while increasing methodological consistency, timeliness, and input data transparency. In the final stage of the project, the remaining co-authors of the main AWARE publication were consulted for their feedback.

This implementation (SimaPro version 2.0) was adapted from IMPACT World+ Midpoint 2.1 Water scarcity indicator and replaces the AWARE v1 method.

4.3 Other updates

Characterization factors have been added for new geographies for some water related substances in all applicable methods. Additionally, applicable new regions have been updated in the relevant methods.

Additionally, the characterization factors of specified subcompartments that match the characterization factor of the unspecified subcompartment have been removed from all applicable methods since these will automatically be characterized with the same characterization factor as the unspecified subcompartment.

For more details on the changes, please see the comments of the individual methods, section "# Other adaptations (November 2025... SimaPro 10.3)".

4.4 Superseded methods

The following methods have been moved to the Superseded section:

- Berger et al 2014 (Water Scarcity)
- Boulay et al 2011 (Water Scarcity)

- EPD (2018)
- EPS 2015d
- EPS 2015dx
- IMPACT World+ Endpoint

These will no longer be maintained as newer versions are available – users are advised not to use these methods. Documentation of superseded methods can still be found [here](#).

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)
- SimaPro Help Center contact form: <https://support.simapro.com/s/contactsupport>
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