

SimaPro 9.6

What's new?

Title: SimaPro 9.6 What's new?

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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 nearly 30 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 included in SimaPro 9.6 (compared to the previous release). The focus of this release has been on providing updated data and impact assessment methods - ensuring quality, consistency and accuracy.

We hope you have a smooth experience updating to SimaPro 9.6 and feel free to [reach out to us](#) for feedback and further suggestions for improvements!

2 Updated data library | ecoinvent 3.10

With the release of ecoinvent v3.10, the ecoinvent database integrates around 2300 new data sets, also with expanded geographical coverage. Sectors updated with this version include Agriculture, Building and Construction, Chemicals, Electricity, Forestry and Wood, Fuels, Metals, Packaging, Pulp and Paper, and Waste. More information on new and updated data can be found [here](#).

For new SimaPro users, 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 and Consequential, an additional download is available from this [webpage](#).

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, Update960 and FullUpdate960 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 3.10, while other ecoinvent libraries (APOS and Consequential) will remain unchanged (so their version number may show as 3.9.1 or earlier).

If you wish to update those additional libraries as well, you can download the latest version from this [webpage](#) and then import them in your updated database.

3 Changes to impact assessment methods

A number of impact assessment methods have been updated as follows:

- Characterization factors have been **added** to all (applicable) methods for:
 - New and formerly missing occupation and transformation flows
 - New and formerly missing energy resources
 - New regionalized water flows
 - Formerly missing waterborne emissions of water to the oan sub-compartment
 - Formerly missing nitrogen and phosphorus substances
- Characterization factors have been **updated** in all (applicable) methods as follows:
 - Mappings of land use types from the original methods to SimaPro land use types have been revised with resulting changes in characterization factors for a few land use flows
 - Sub-regions that don't have a characterization factor in the original method have inherited the characterization factor of the main country (e.g. BR-GO has inherited the characterization factor of BR) instead of inheriting it from the global region
 - Characterization factors for energy resources have been aligned within an impact category on either higher or lower heating value
 - Characterization factors of a few nitrogen and phosphorus substances have been updated based on corrected stoichiometry calculations

In addition to the above, individual methods have been updated as follows:

- All IPCC 2021 methods: Characterization factor for Sulfur hexafluoride has been corrected
- All LC-IMPACT methods and Land use biodiversity (Chaudhary et al., 2015): The positive/negative sign of the characterization factors for Transformation, to/from flows has been switched
- All ReCiPe 2016 methods:
 - Characterization factors for regionalized phosphorus and phosphate substances have been updated to their region-specific characterization factors
 - Characterization factors for regionalized ammonia and nitrogen oxide emissions have been switched
- BEES+:
 - Impact category unit for the HH noncancer category has been updated from "g C7H7 eq" to "g C7H8 eq"
 - The unit of Tin (II) has been updated from per kg to per g in the HH noncancer and Ecotoxicity categories

For more details on each method, please see the comment section of the individual methods, or refer to the [Methods manual](#).

4 Contact us

Please contact us or your [local partner](#) if you have questions about these changes in the SimaPro software or database, or if you have any other questions related to the update. You can reach out to us via:

- In SimaPro: Help > Contact SimaPro Support (**recommended**)
- SimaPro Help Center contact form: <https://support.simapro.com/s/contactsupport>
- E-mail: support@simapro.com
- Phone: +31 33 4504010