

What's new in SimaPro 8.0.5



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1 Introduction

This document describes the changes in the SimaPro 8.0.5 software and database.

2 Update of Industry data 2.0 library

We have updated the Industry data 2.0 with the latest Ecoprofile data from Plastics Europe (www.plasticseurope.org). Importing the update database will replace your current processes, thus updating any projects in which you have linked to the processes in the Industry Data 2.0 library.

An important change is in the modelling of the waste flows in these processes, which leads to the import of many new waste treatment processes. Where previously final waste flows were modelled as such in the plastics process itself, the format(s) offered by Plastics Europe require the creation of a link to a Waste to treatment process. As the data for these processes are not included, we had to generate “dummy processes”. These processes are an empty placeholder. To make sure final waste flows could be calculated in relevant impact assessment methods and for consistency with the replaced datasets, we have added the related final waste flow to these dummy processes.

3 Changes in impact assessment methods

The most important changes in impact assessment methods are listed below. For details, please see the comment section of the individual methods in SimaPro.

3.1 ILCD method

The ILCD 2011 Midpoint+ method has been improved:

- The normalization factors have been updated based on the report "Normalisation method and data for Environmental Footprints; 2014; Lorenzo Benini, et al.; Report EUR 26842 EN".
- The characterization factors in the Land use category are updated, based on "ERRATA CORRIGE to ILCD - LCIA Characterization Factors" - Version06_02_2015(v. 1.0.6) and "List of changes to CFs for land use from v 1 0 5 to v 1 0 6_REVISIED.xlsx"
- The characterisation factors for Chromium III and Chromium IV in the Human toxicity, cancer effects category are set to zero.
- We have included the option to view single score results, based on equal weighting.

(Erratum: in the Database Manual Methods you will find a note about characterization factors of zero for long term emissions for a number of impact categories. This change was not implemented. Please ignore.)

3.2 Ecological Scarcity 2013

We added characterization factors in impact category “Pesticides into soil” for

- Fenbutatin oxide
- Fungicides, unspecified
- Herbicides, unspecified
- Insecticides, unspecified
- Pesticides, unspecified

3.3 Bees+

We added missing water flows and have set factors for saline water and rain water to zero.

3.4 ReCiPe methods

We added missing water flows to the ReCiPe midpoint methods. The endpoint methods were not adapted. However for consistency reasons we decided to increase the version number of the endpoint methods, so that all ReCiPe endpoint and midpoint methods now have version 1.12.

4 New software features and bug fixes

An overview of the most important new software features and bug fixes:

- Import and export of SimaPro Product Stages is now possible in CSV format. Information is given in the Help file.
- In the Monte Carlo analysis, the standard error of mean (SEM) was wrongly calculated. This has been fixed. Note that all other values were correctly calculated. We also made some small changes in the interface. The standard error of mean is now shown as SEM, which is commonly used in statistics.
- We improved the User Import Wizard for the SimaPro multi-user version. Especially users of the Classroom will find this useful. SimaPro managers can now import a spreadsheet in which they can predefine projects, selected libraries and the default method which greatly improves the speed with which new users can be created. An example spreadsheet is installed. Detailed information is given in the Help file. We have stopped the support for import of users from Active Directory.
- It is now possible to import Methods which have been expanded with additional Normalisation and/or Weighting sets.
- It is now possible to overwrite numerical reference flows in processes with parameterized reference flows and vice versa.
- Updated graphs: users will see enhanced graphs, with new colors, in the results window. This does not apply for the network and tree view.
- Under File, SimaPro database management, a new option “Database properties” is now available. This shows the technical version of the database and the database language. These properties can be useful to deliver quicker support.
- Many smaller fixes and improvements have been implemented.

5 Contact us

Please contact us or your local partner if you have questions about new features in the SimaPro software or database, or if you have any other questions related to the update.

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