

Instruction:

How to update your SimaPro project to Agri-footprint 5.0

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This instruction document is meant to help you, as SimaPro users, to manage your projects, which use Agri-footprint as a background database. In particular, this document guides you in updating the background database to the latest version of Agri-footprint 5.0.

Update Agri-footprint

With the 2019 SimaPro update, an update of Agri-footprint 4.0 database was also planned. This resulted in the development of Agri-Footprint 5.0 (AFP 5.0).

In AFP 5.0:

- bugs have been corrected (e.g. errors in allocations),
- more consistent names have been applied,
- cultivation LCIs use more recent data on yield and NPK application,
- cultivations pesticide application and crop residue modelling have been updated,
- post-harvesting (drying and de-husking) is applied in a consistent way,
- market mixes use more recent trade data,
- processing data has been updated.

Update your projects to AFP 5.0

AFP 5.0 is now available as default library for SimaPro users. It is possible to update your projects from AFP 4.0 to AFP 5.0. You can do this with the help of a mapping file that we provide. On the next pages you can find the instructions on how to update your projects from AFP 4.0 to AFP 5.0.

If you prefer to keep working with AFP 4.0

Projects connected AFP 4.0 will be automatically updated to AFP 4.1. This intermediate database only tackles the most urgent bugs (e.g. errors in allocations).

Steps: update a project from AFP 4.0 to AFP 5.0

In order to update a project from AFP 4.0 (or AFP 4.1) to AFP 5.0 follow the procedure below:

1. Go to the project you want to update and export it with the following exporting setting:

The 'Export setup' dialog box is shown with the following settings:

- Data format:** CSV file
- Contents:** Details
- Grouping:** One list
- Mapping file:** (Empty field with a 'Browse' button)
- Selection:**
 - ☐ Current (1)
 - ☐ Selection (1)
 - ☒ All of this project (70)
 - ☐ All including libraries (3844)
 - ☒ Related objects (system descriptions, substances, units, etc.)
 - ☐ Include sub product stages and processes
 - ☐ Include platform IDs
- Export fields:**
 - ☐ Skip empty fields
 - ☒ Uncertainty values
 - ☐ Convert expressions to constants
- Format options:**
 - CSV separator:**
 - ☐ Tab
 - ☐ Comma
 - ☒ Semicolon
 - ☐ Page break after each object
- EcoSpold 1 options:**
 - ☒ Use multiple xml files
 - ☒ Export mapping file
 - ☒ Export ElementaryFlows.xml
 - ☒ Only used elementary flows
 - ☒ Ecoinvent compatible

Buttons at the bottom: Restore default settings, OK, Cancel.

2. Create a new empty project, call it as your project + "AFP 5.0 update". You need to select the AFP 5.0 project libraries and not the AFP 4.0 (or 4.1).

3. Re-import (File > Import) your project with the following import setting:

Import files

File format
☒ SimaPro CSV ☐ EcoSpold v1

Import files 1 file selected
 \\BC-SERVER\USERSS\Desktop\My project.CSV

Mapping file

Object link method
☐ Link imported objects only to other imported objects
☒ Try to link imported objects to other imported objects first
☐ Try to link imported objects to existing objects first

CSV format separator
☐ Tab ☐ Comma ☒ Semicolon

Other options
☐ Replace existing processes with equal identifiers or product names ☒ Skip process identifier
☐ Apply 'U' and 'S' suffixes for product names of unit and system processes
☐ Use SimaPro requirements (less strict checking) ☐ Use EcoSpold v1 product name format
☐ Use local names

Since names has been updated from AFP 4.0 to AFP 5.0, it is possible that error messages might appear. In that case, we provide the mapping file 'Map AFP4.0 (or 4.1) to AFP5.0.SPMMapping' that needs to be added:

Mapping file

X:\4. Databases\Agri-footprint\AFP 5.0 (2019)\Importing manual + mapping\Map AFP4.0 (or 4.1) to AFP5.0.SPMMapping

4. Now your project should be fully updated.

It is also possible to re-import the project that requires update in the original project. This will overwrite the original project, so no comparison of the LCI and results will be possible. On the other hand, it will avoid having multiple copies of the same projects. To do so, the updated background library needs to be selected (AFP 5.0 instead of AFP 4.0 or AFP 4.1). The import setting requires to activate the "Replace existing processes with equal identifiers or product names option".

Questions?

If you have questions please send an email to tools@blonkconsultants.nl