

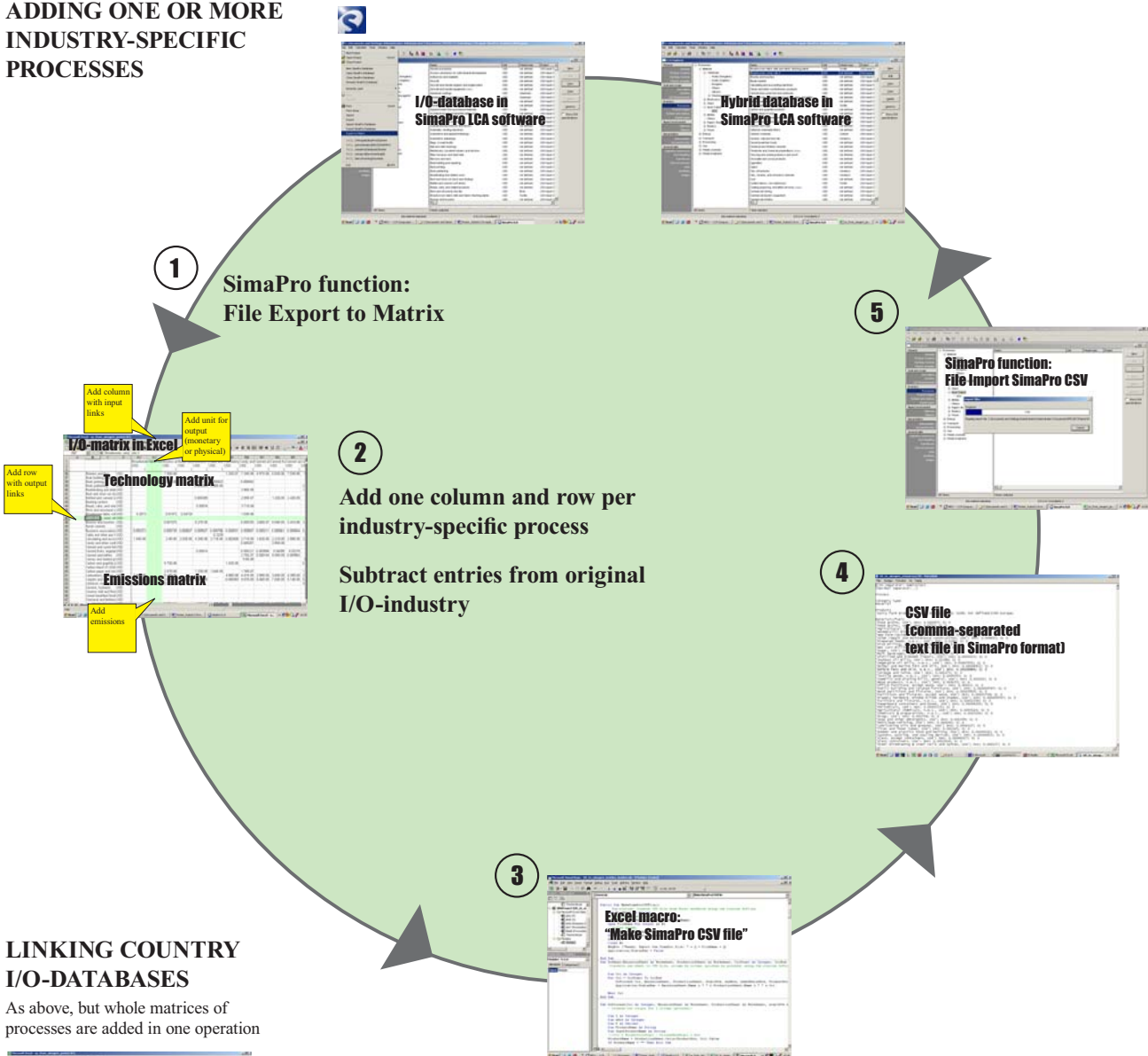
Hybrid LCA made easy

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Abstract

New tools for exporting and importing large matrices from and to LCA-software provide an easy way to construct hybrid LCAs and at the same time continuously expand and improve your LCI-database. With these tools there is no longer any excuse for making cut-offs in LCIs. The publicly available environmentally extended IO-databases, which allows for comprehensive assessments of all products in society, can be combined with all available process data, maintaining both types of data in the same database. It is also possible to combine processes in monetary units with processes in physical units and even to switch between these. The availability of these new tools have important consequences both for the speed at which comprehensive LCAs can be made, but also for global database building and the development of global EPD-systems.

ADDING ONE OR MORE INDUSTRY-SPECIFIC PROCESSES



LINKING COUNTRY I/O-DATABASES

As above, but whole matrices of processes are added in one operation

German technology matrix	German export to Denmark
Danish export to Germany	Danish technology matrix
German emissions	Danish emissions

Consequences

For individual LCAs:

- No longer any excuse for making cut-offs in LCIs.
- Time consumption to make comprehensive LCAs strongly reduced.

For global databases:

- Global database building can start from the complete, but aggregated IO-tables, and then add as much industry-specific detail as desired.
- Global systems for Environmental Product Declarations (EPDs) can use these databases as default background data, thus ensuring comparability, while contributing to the database maintenance by feeding in industry-specific data.