

Installation und Konfiguration von openLCA

EcoDesign - Übung

Gliederung

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- Import von LCIA

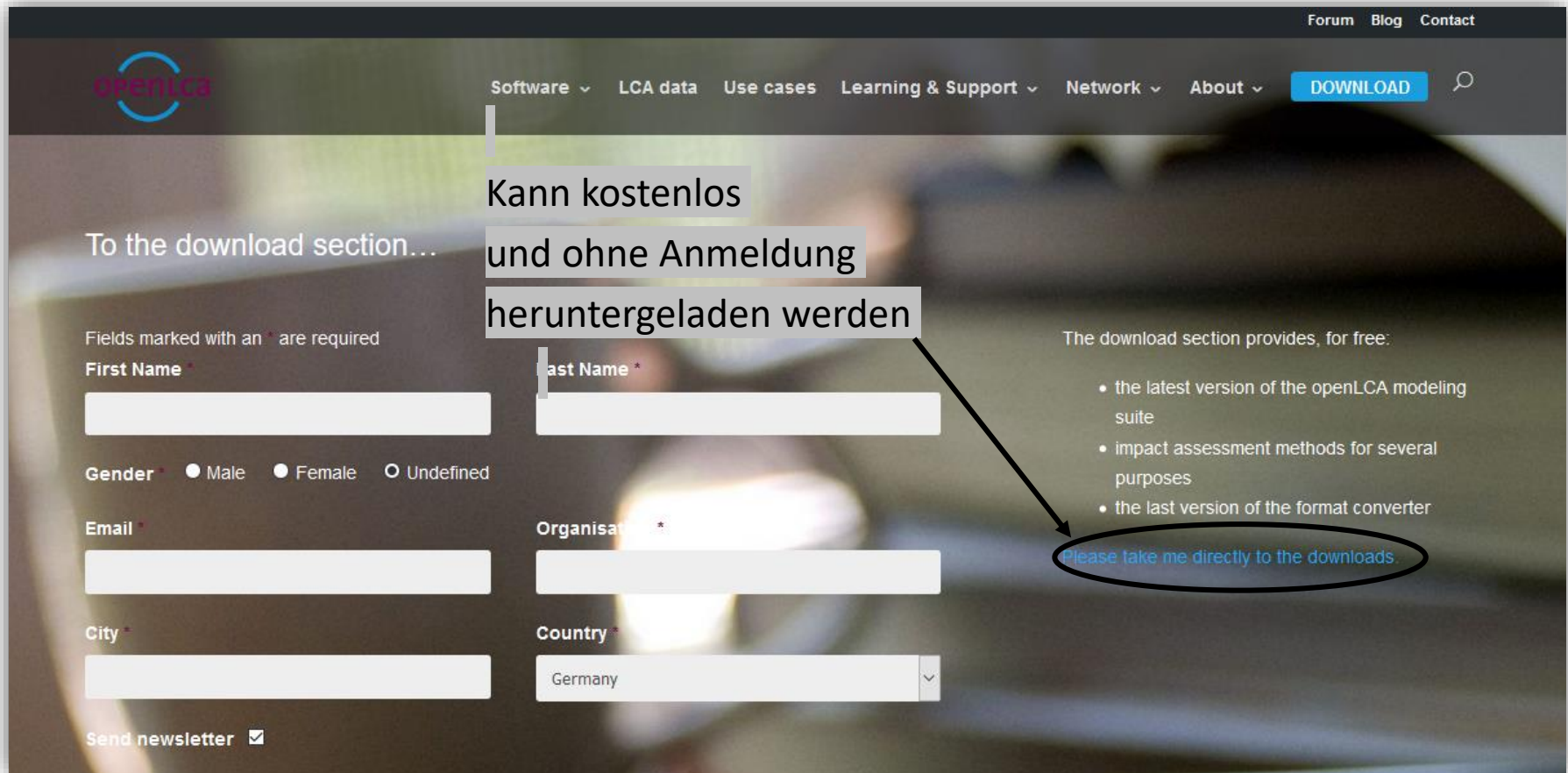
Allgemeines

- Download der Software **openLCA 2.11**: <https://www.openlca.org/download-form/>
(erhältlich für Windows, Mac, Linux)
- Anleitungen und Installationshinweise zu openLCA:
<http://www.openlca.org/manuals>
- Datenbank inkl. Wirkungsabschätzung
 - **ecoinvent 3.8**



Erhalten Sie nachdem Sie die unterschriebene EULA an eisentraeger@fb2.fra-uas gesendet haben.

Download der Software



The screenshot shows the openLCA website's download page. At the top right, there are links for 'Forum', 'Blog', and 'Contact'. The main navigation bar includes 'Software', 'LCA data', 'Use cases', 'Learning & Support', 'Network', and 'About', along with a prominent blue 'DOWNLOAD' button and a search icon. The page content is divided into two columns. The left column features a heading 'To the download section...' and a registration form with fields for 'First Name', 'Last Name', 'Gender' (with radio buttons for Male, Female, and Undefined), 'Email', 'City', and 'Country' (with a dropdown menu currently showing 'Germany'). A 'Send newsletter' checkbox is checked. The right column has a heading 'The download section provides, for free:' followed by a bulleted list of software features. A blue link 'Please take me directly to the downloads.' is circled in red, with an arrow pointing from a text box above it.

Forum Blog Contact

Software LCA data Use cases Learning & Support Network About **DOWNLOAD** 🔍

openLCA

To the download section...

Fields marked with an * are required

First Name *

Last Name *

Gender * Male Female Undefined

Email *

City *

Country *

Organisat*ion *

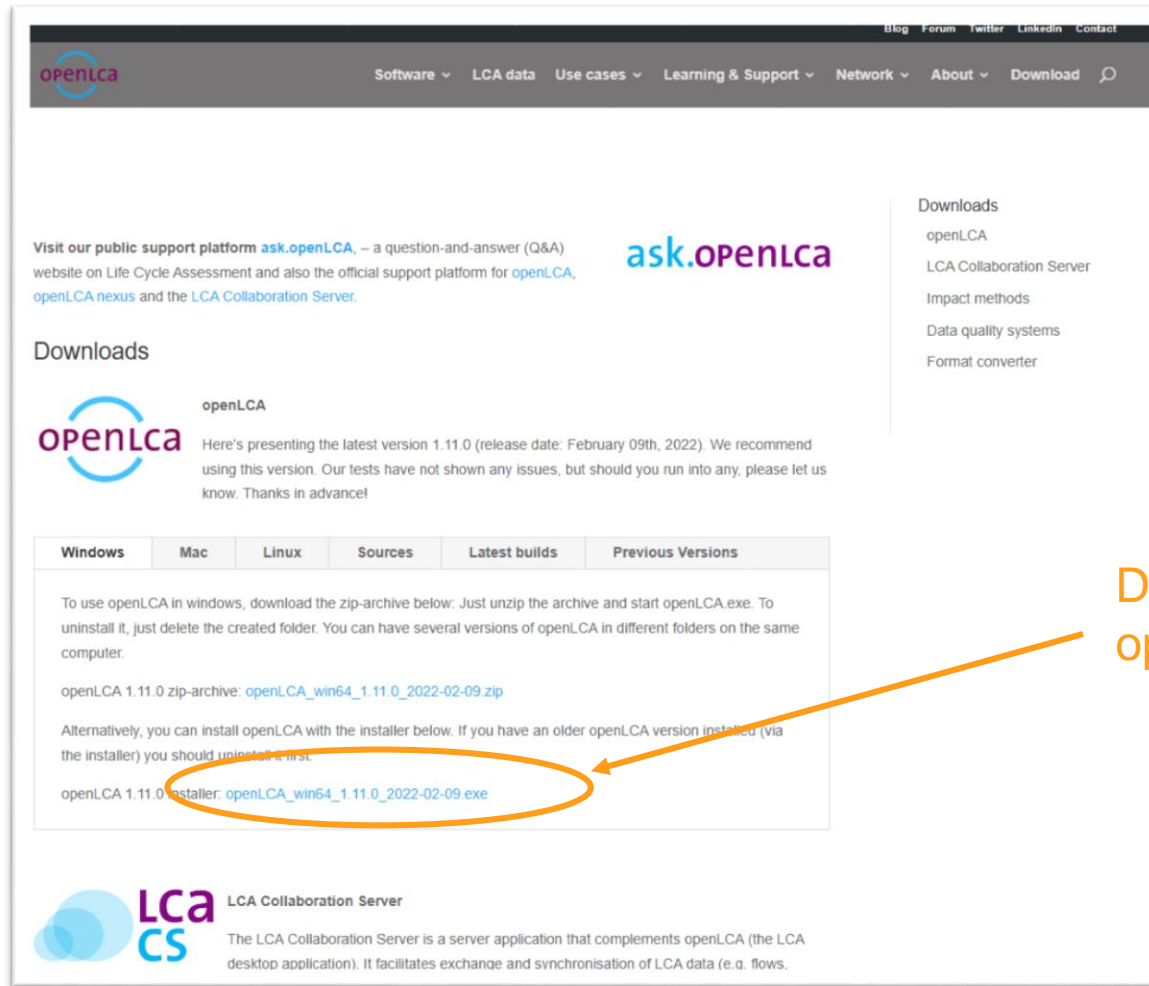
Send newsletter

The download section provides, for free:

- the latest version of the openLCA modeling suite
- impact assessment methods for several purposes
- the last version of the format converter

[Please take me directly to the downloads.](#)

Download der Software



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Software ▾ LCA data Use cases ▾ Learning & Support ▾ Network ▾ About ▾ Download 🔍

Visit our public support platform [ask.openLCA](#), – a question-and-answer (Q&A) website on Life Cycle Assessment and also the official support platform for [openLCA](#), [openLCA nexus](#) and the [LCA Collaboration Server](#).

ask.openLCA

Downloads

- openLCA
- LCA Collaboration Server
- Impact methods
- Data quality systems
- Format converter

openLCA

Here's presenting the latest version 1.11.0 (release date: February 09th, 2022). We recommend using this version. Our tests have not shown any issues, but should you run into any, please let us know. Thanks in advance!

Windows	Mac	Linux	Sources	Latest builds	Previous Versions
<p>To use openLCA in windows, download the zip-archive below. Just unzip the archive and start openLCA.exe. To uninstall it, just delete the created folder. You can have several versions of openLCA in different folders on the same computer.</p> <p>openLCA 1.11.0 zip-archive: openLCA_win64_1.11.0_2022-02-09.zip</p> <p>Alternatively, you can install openLCA with the installer below. If you have an older openLCA version installed (via the installer) you should <u>uninstall it first</u>.</p> <p>openLCA 1.11.0 installer: openLCA_win64_1.11.0_2022-02-09.exe</p>					

Lca CS LCA Collaboration Server

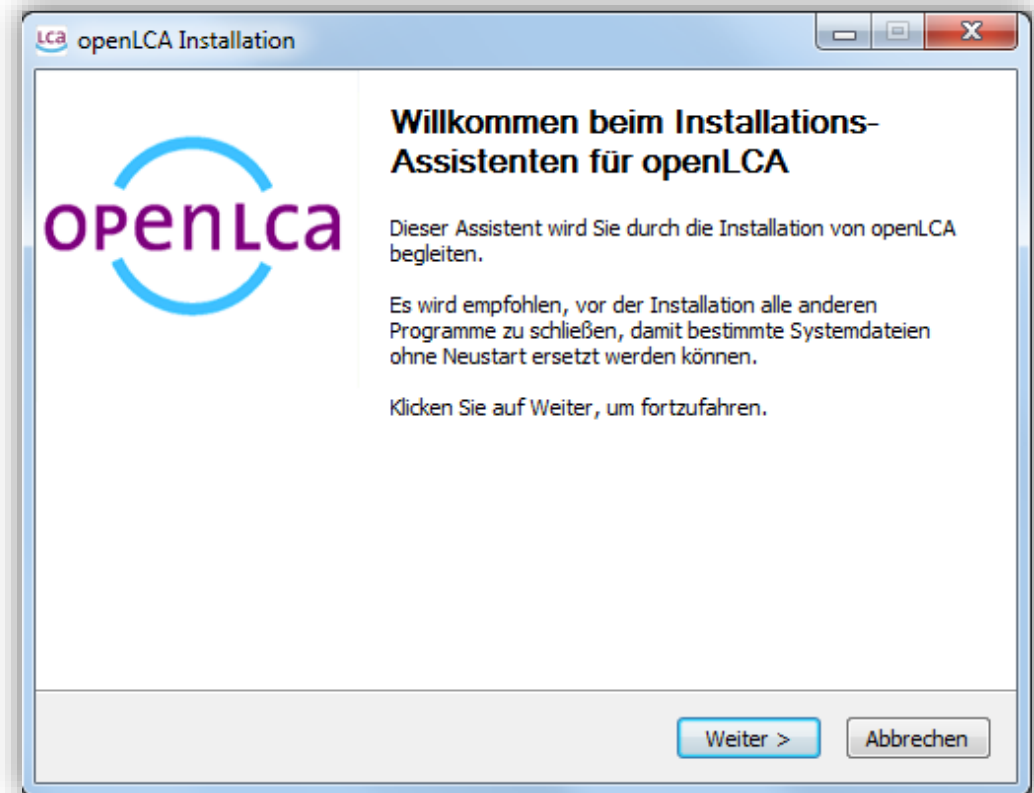
The LCA Collaboration Server is a server application that complements openLCA (the LCA desktop application). It facilitates exchange and synchronisation of LCA data (e.g. flows).

Download:
openLCA 1.11.0

Installation der Software

openLCA 1.10.2:

Installationsanweisungen befolgen



Startbildschirm

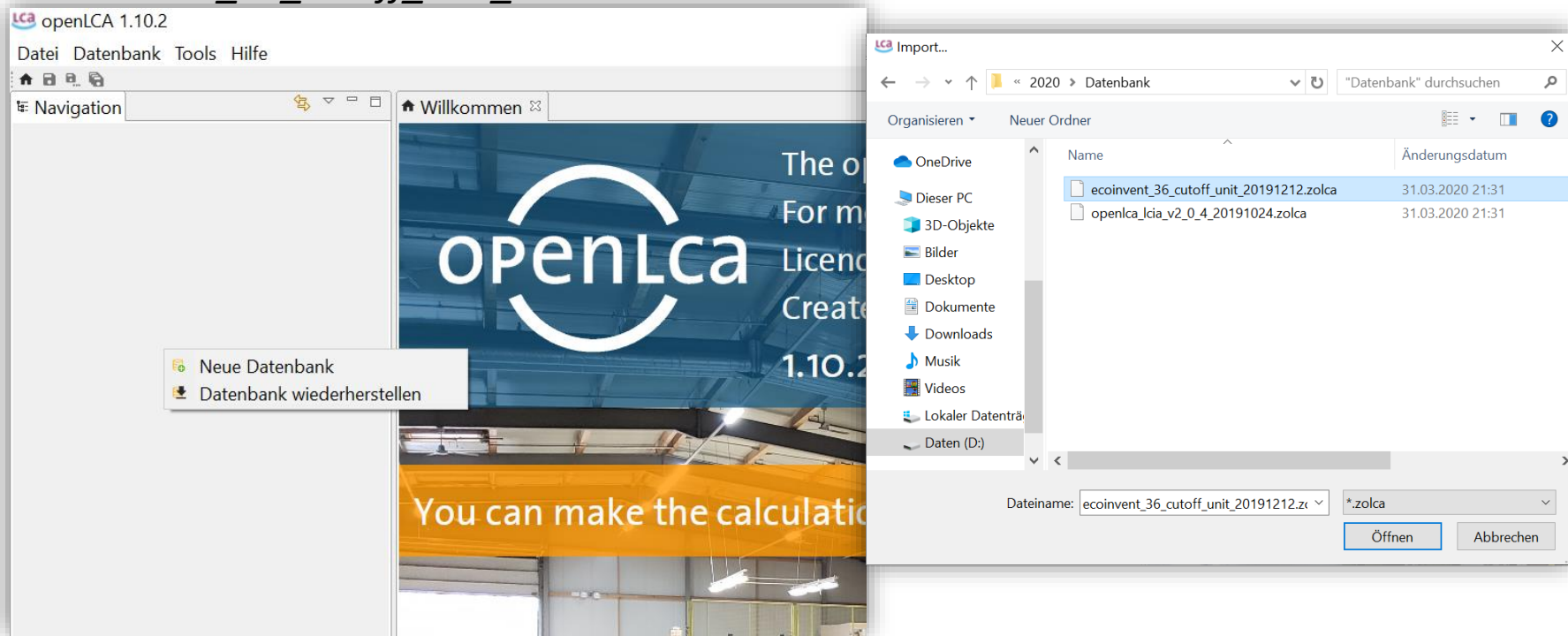


Import der Datenbank

Import der ecoinvent-Datenbank:

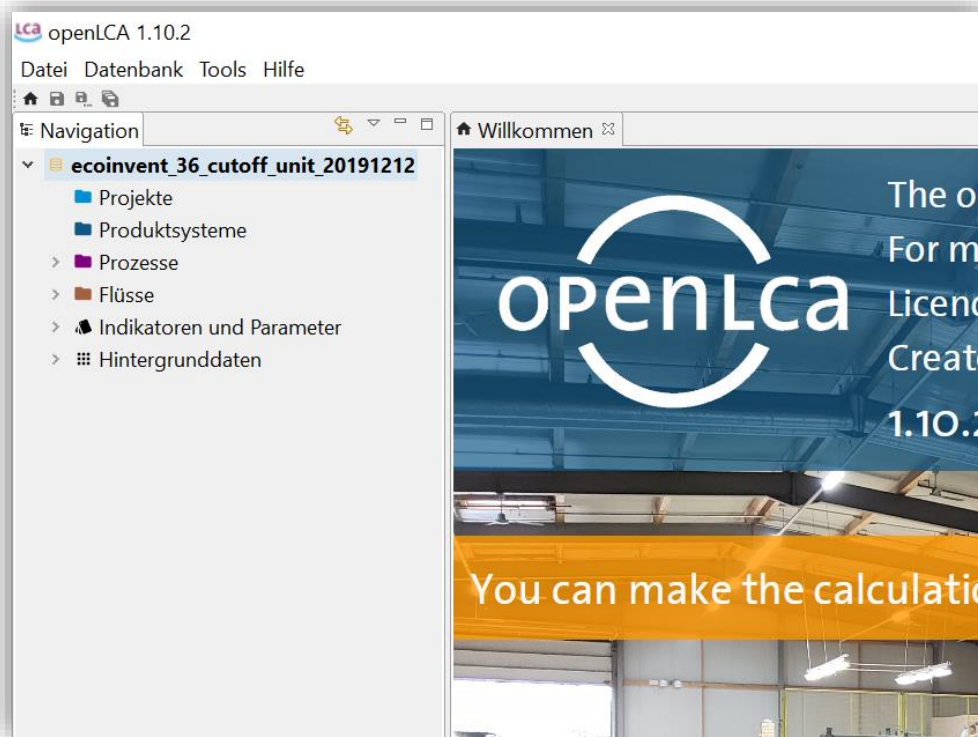
Rechtsklick im Navigationsfeld von openLCA -> Datenbank wiederherstellen

-> *ecoinvent_36_cutoff_unit_20191212.zolca* auswählen -> Öffnen



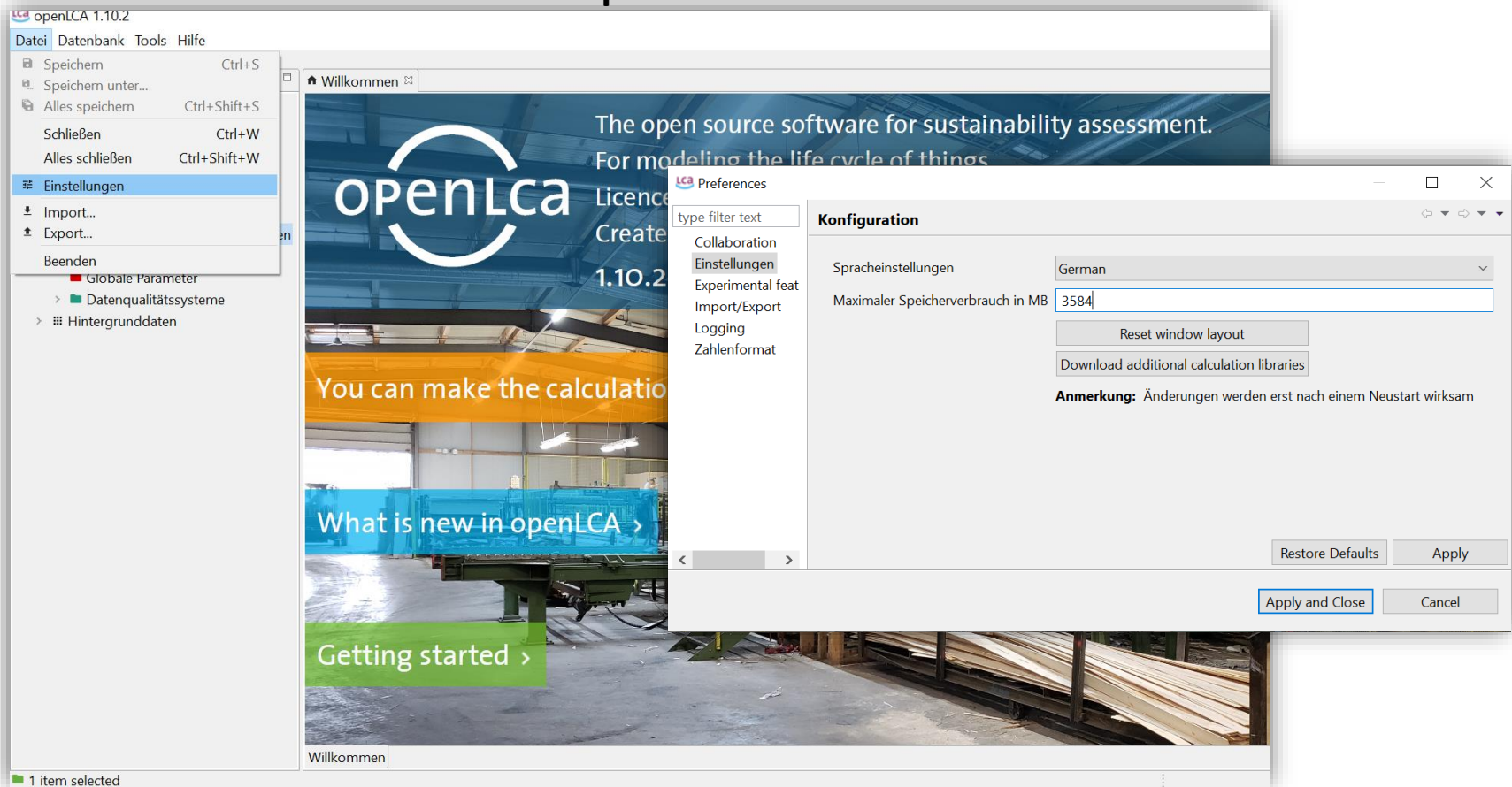
Aktivieren der Datenbank

Doppelklick auf die Datenbank -> Datenbank wird aktiviert
gelegentlich will sich die Datenbank daraufhin aktualisieren



Weitere hilfreiche Tipps

Verkürzen der Rechenlaufzeit in openLCA:



The screenshot shows the openLCA 1.10.2 application window. The 'Datei' menu is open, and the 'Einstellungen' option is selected. The 'Preferences' dialog box is open, showing the 'Konfiguration' section. The 'Spracheinstellungen' dropdown is set to 'German', and the 'Maximaler Speicherverbrauch in MB' field contains the value '3584'. Below this field are buttons for 'Reset window layout' and 'Download additional calculation libraries'. A note at the bottom of the dialog states: 'Anmerkung: Änderungen werden erst nach einem Neustart wirksam'. At the bottom of the dialog are buttons for 'Restore Defaults', 'Apply', 'Apply and Close', and 'Cancel'. The background window shows a welcome screen with the openLCA logo and text: 'The open source software for sustainability assessment. For modeling the life cycle of things. You can make the calculation. What is new in openLCA >. Getting started >'. The status bar at the bottom left indicates '1 item selected'.

Import der Datenbank

Für die ersten Übungen benötigen Sie **nur die ecoinvent Datenbank.**

Die GaBi- Datenbank kann entweder als separate Datenbank in openLCA geladen werde, oder wenn kombinierte Produktsysteme erstellt werden sollen, in die vorhandene (ecoinvent-)Datenbank importiert werden.

Dazu:

Rechtsklick auf die ecoinvent Datenbank

>> Import...

>>Database Import

>>From exported zolca-File

>>gabi_professional auswählen und bestätigen (kann einige Minuten dauern)

Weitere hilfreiche Tipps

- Dezimalstellen mit (.) Punkt trennen, Kommas führen zu Fehlern
- Referenzfluss muss immer ein Produktfluss sein
- Am Besten immer nur einen Produktfluss im Output, ggf. Inputs mit negativen Vorzeichen verwenden
- Keine Sonderzeichen als Variablennamen
- **Regelmäßig speichern !!!!!**
- Einige Aktualisierungen werden erst bei erneutem öffnen des Prozesses/des Produktsystems sichtbar