



THE UNIVERSITY OF BRITISH COLUMBIA

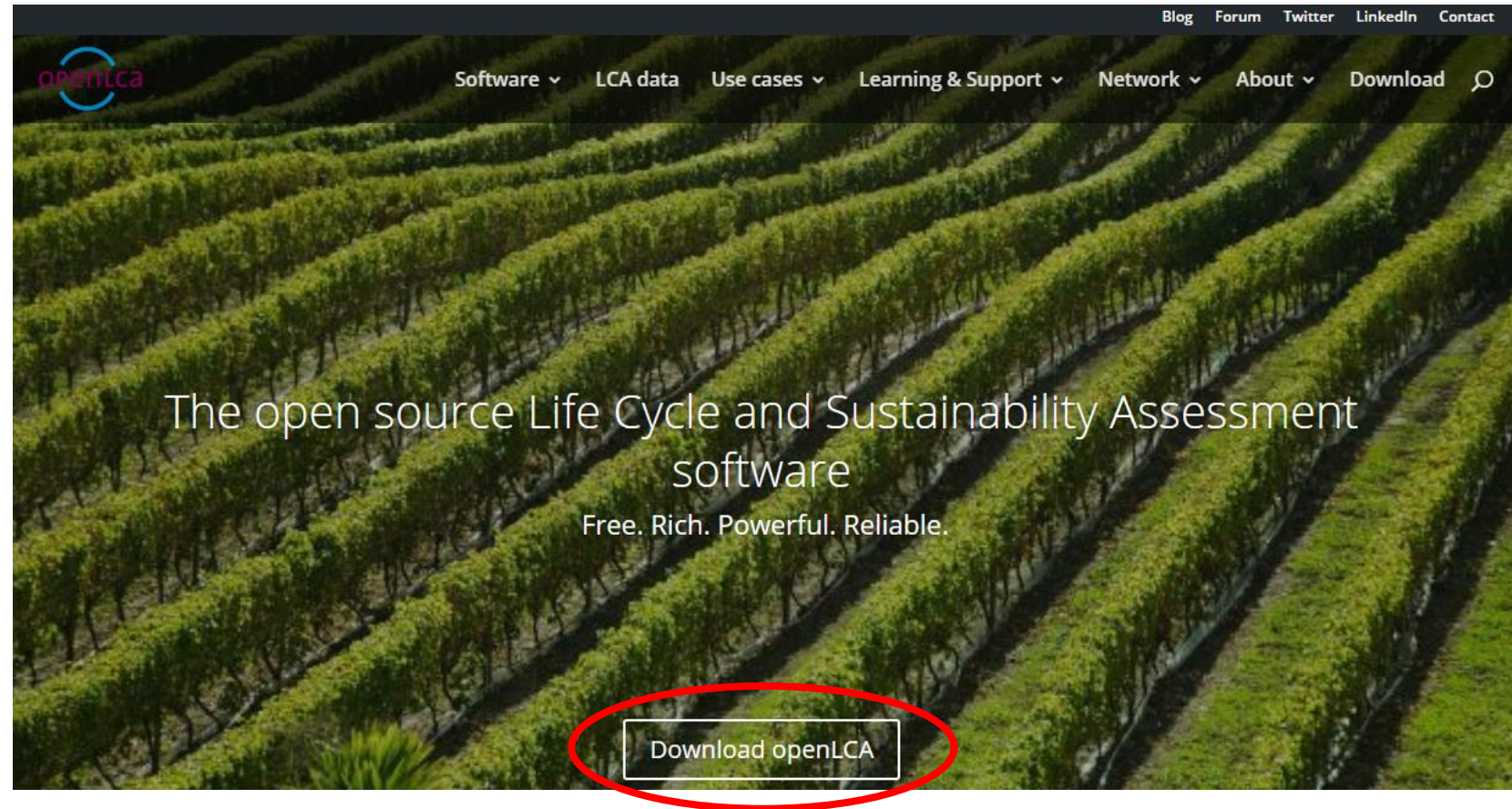


ENGR 544, Life Cycle Assessment and Management  
School of Engineering, Faculty of Applied Science  
The University of British Columbia (Okanagan)



# Learning Objectives

- Learn openLCA.
- How to install openLCA.
- How to import a database in openLCA.
- How to create processes, flows and product systems in openLCA.



[openLCA.org](https://openLCA.org) | openLCA is a free, professional Life Cycle Assessment (LCA) and footprint software with a broad range of features and many available databases, created by GreenDelta since 2006



## To the download section...

Fields marked with an \* are required

**First Name \***

**Last Name \***

**Email \***

**Organisation \***

**City \***

**Country \***

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.](#)

## Downloads



### openLCA

Here's presenting the latest version 1.10.3 (release date: June 24th, 2020). 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

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.

openLCA 1.10.3 zip-archive: [openLCA\\_win64\\_1.10.3\\_2020-06-24.zip](#)

Alternatively, you can install openLCA with the installer below. If you have an older openLCA version installed (via the installer) you should uninstall it first.

openLCA 1.10.3 installer: [openLCA\\_win64\\_1.10.3\\_2020-06-24](#)

## Downloads















[openLCA](#)

LCA Collaboration Server

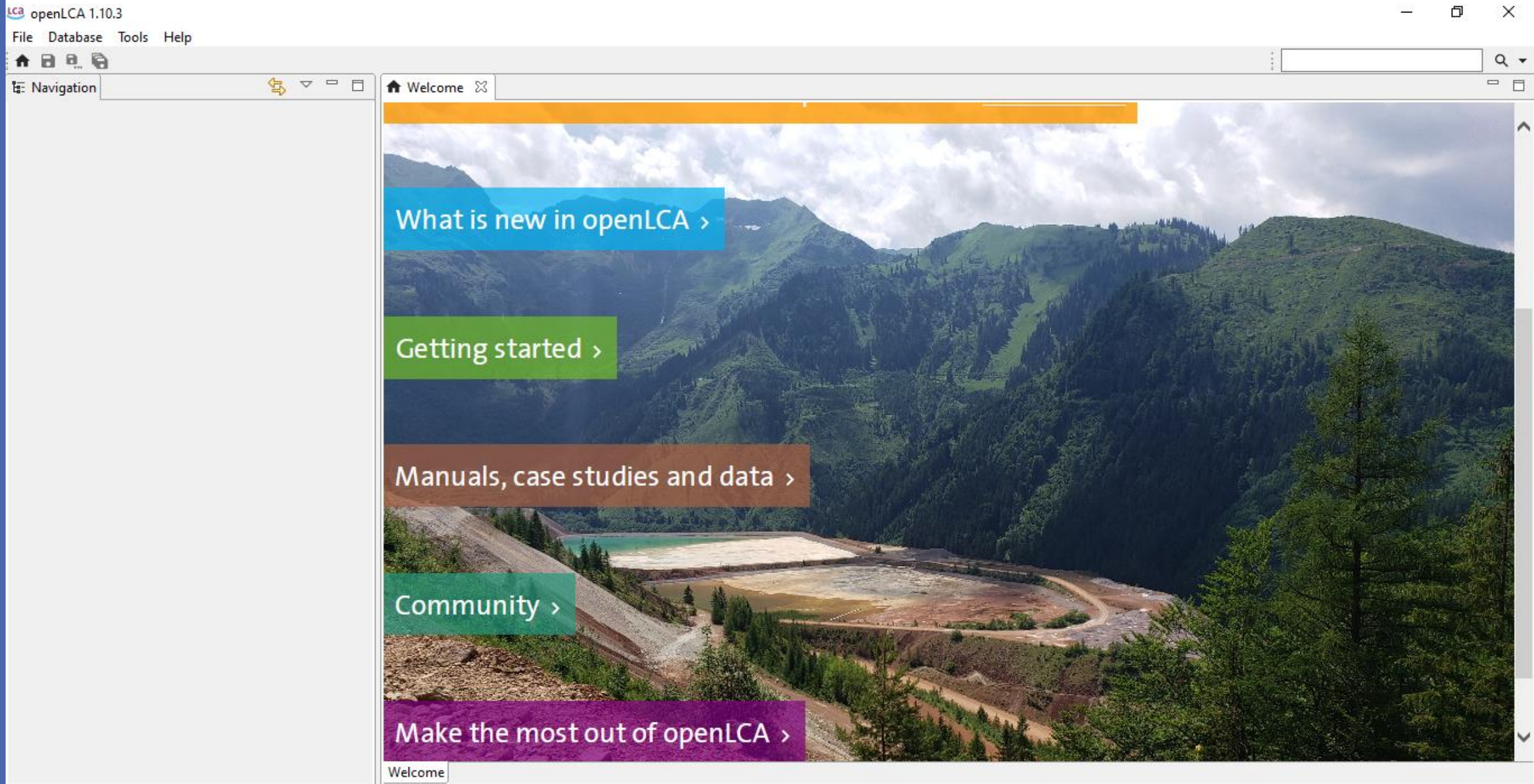
Impact methods

Data quality systems

Format converter

 configuration	2021-07-25 11:18 PM	File folder	
 jre	2020-06-24 9:17 AM	File folder	
 licenses	2020-06-24 8:51 AM	File folder	
 plugins	2020-06-24 5:23 PM	File folder	
 .eclipseproduct	2020-06-24 5:22 PM	ECLIPSEPRODUCT...	1 KB
 libgcc_s_seh-1.dll	2020-06-24 9:19 AM	Application exten...	77 KB
 libgfortran-4.dll	2020-06-24 9:19 AM	Application exten...	1,777 KB
 libopenblas64_.dll	2020-06-24 9:19 AM	Application exten...	31,597 KB
 libquadmath-0.dll	2020-06-24 9:19 AM	Application exten...	324 KB
 libwinpthread-1.dll	2020-06-24 9:19 AM	Application exten...	53 KB
 olcar.dll	2020-06-24 9:19 AM	Application exten...	214 KB
 openLCA	2020-06-24 5:22 PM	Application	408 KB
 openLCA	2021-07-25 11:29 PM	Configuration sett...	1 KB
 OPENLCA_README	2020-06-24 8:51 AM	Text Document	5 KB







# Create a Database

openLCA 1.10.3

File Database Tools Help

New database

Restore database

New database

## New database

Create a new database

Database name Database\_1

Database type ☒ Local ☐ Remote

Database content ☐ Empty database  
☐ Units and flow properties  
☒ Complete reference data

Finish

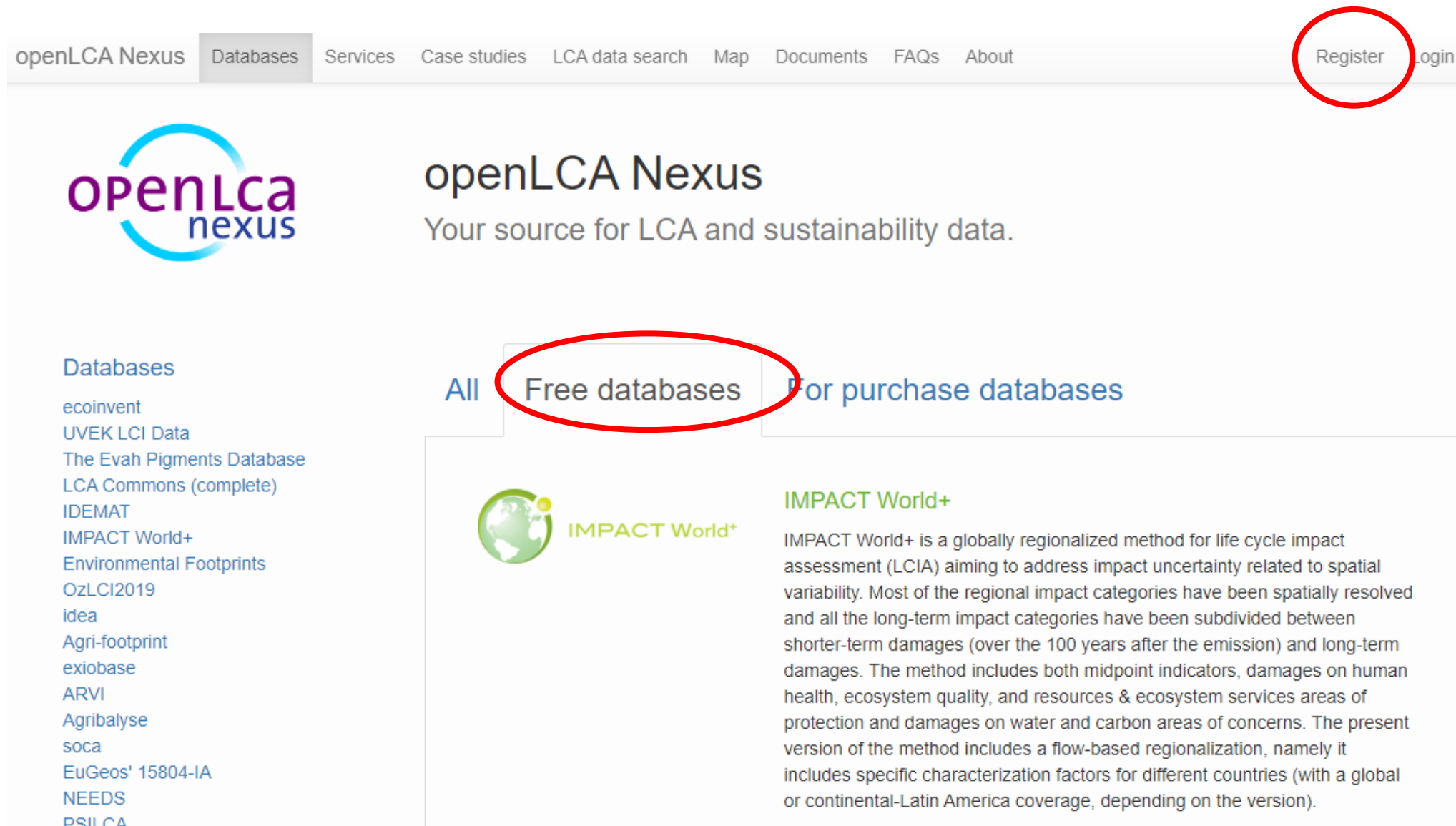
Cancel

Community >

Make the most out of openLCA >

# Import a Database

[openLCA Nexus: The source for LCA data sets](#)



The screenshot shows the openLCA Nexus website. The top navigation bar includes links for openLCA Nexus, Databases, Services, Case studies, LCA data search, Map, Documents, FAQs, and About. The 'Register' and 'login' links are circled in red. The main header features the openLCA nexus logo and the text 'openLCA Nexus Your source for LCA and sustainability data.' Below this, there are three tabs: 'All', 'Free databases' (which is circled in red), and 'For purchase databases'. Under the 'Free databases' tab, the 'IMPACT World+' database is highlighted with a green icon and text. A list of other databases is shown on the left side of the page.

openLCA Nexus

Databases Services Case studies LCA data search Map Documents FAQs About

Register login

openLCA nexus

openLCA Nexus

Your source for LCA and sustainability data.

Databases

ecoinvent  
UVEK LCI Data  
The Evah Pigments Database  
LCA Commons (complete)  
IDEMAT  
IMPACT World+  
Environmental Footprints  
OzLCI2019  
idea  
Agri-footprint  
exiobase  
ARVI  
Agribalyse  
soca  
EuGeos' 15804-IA  
NEEDS  
PSII CA

All Free databases For purchase databases

IMPACT World+

IMPACT World+ is a globally regionalized method for life cycle impact assessment (LCIA) aiming to address impact uncertainty related to spatial variability. Most of the regional impact categories have been spatially resolved and all the long-term impact categories have been subdivided between shorter-term damages (over the 100 years after the emission) and long-term damages. The method includes both midpoint indicators, damages on human health, ecosystem quality, and resources & ecosystem services areas of protection and damages on water and carbon areas of concerns. The present version of the method includes a flow-based regionalization, namely it includes specific characterization factors for different countries (with a global or continental-Latin America coverage, depending on the version).





# openLCA Nexus

Your source for LCA and sustainability data.

## Registration

**Username**

Forgot your password? [Request recovery email](#)

**Email**

**Password**

Password must consist of at least 7 characters of which one must be numeric.

**Password - repeated**

**Country**

☐ Please keep me informed about updates and new releases

# Import a Database

