Tools of the Trade: Life Cycle Analysis

LCA Tools

- openLCA

- Ecochain Mobius

- Ecochain Helix

- Gabi

- Oneclicklca

- SimaProv

Source: EcoChain

OpenLCA

openLCA is an open source and free software for Sustainability and Life Cycle Assessment, with the following features:

- Fast and reliable calculation of your Sustainability Assessment and/or Life Cycle Assessment
- Very detailed insights into calculation and analysis results; identify main drivers throughout the life cycle, by process, flow or impact category, visualize results and locate them on a map
- Best in class import and export capabilities; easy to share your models
- Life Cycle Costing and social assessment smoothly integrated in the life cycle model
- User-friendly; user interface in a variety of languages; advanced and efficient repository and collaboration feature (currently developed)
- Continuous improvement and implementation of new features

Source: https://www.openlca.org/

Database

- ecoinvest

- FLEX
- ELCD

- USLCI
- Federal LCA Commons

Check more information at openLCA Nexus

Case study

- PET and PC bottle
  - Project

  - Process

  - Flow
- Change parameters

- Add new process and flow

- Start a new project

Further readings

- openLCA