



openLCA Training

greendelta
sustainability consulting + software





Meet the developers

GreenDelta has been developing openLCA since 2006. We continuously improve the software, expand its features and capabilities and keep it up-to-date with current life cycle assessment (LCA) practice. We are at the LCA forefront, offering specialized features such as regionalized LCIA or the ecoinvent 3.4.

Professional training: conducting LCA studies and working in teams with openLCA

27th to 29th of December 2018 in Mumbai

The professional openLCA training is for participants with basic knowledge in the field of Life Cycle Assessment (LCA). Previous experience with openLCA is not required. At the end of the training, participants will be able to model life cycle-based systems and apply LCA models in the context of circular economy. Moreover, the participants will have gained an understanding on how to organize openLCA projects in general (individually and in teams). **The training program will have an option to attend certificate exam and award of certificates to qualified candidates.**

DAY

1

10:00 – 11:00

Workshop Agenda

Opening session

Welcome address by Dr. Ram Babu

Opening speech (skype) by Dr. Andreas Citroth

11:15 – 12:30

General Introduction

Introduction to openLCA

-A brief overview of the openLCA software and the features offered by the software.

12:30 – 13:30

Lunch break

13:30 – 16:00

Working with openLCA -1

Creating flows and processes

- Step by step guidance on how to create flows and processes in openLCA, followed by building of product systems for life cycle assessment.

This module includes exercises for the participants to build their own LCA models.

16:00 – 16:30

Coffee break

16:30 – 18:00

Working with openLCA -2

Working with databases and sharing data

Life Cycle Impact Assessment (LCIA)

- Working on a case study using one of the LCIA methods to calculate the product systems.
- Interpreting the results of the calculations using LCIA method

Working with parameters

- Understanding the utility of global and local parameters through a case-study

DAY

2

09:00 – 10:45

Workshop Agenda

Advanced tasks in openLCA

Short recap of day 1

Sensitivity analyses

- How to use of parameters to perform sensitivity analysis

Comparative LCA studies

- Creating projects in openLCA

10:30 – 10:45

Coffee break

10:45 – 12:30

Multifunctional processes

Allocation and system expansion

- How to deal with multi-output processes in openLCA

12:30 – 13:30

Lunch break

13:30 – 16:30

Miscellaneous

End-of-Life Modelling

- How to model waste in openLCA (material flow and opposite direction approaches)

Data quality of models and databases

- How to ensure accuracy of data for life cycle assessment

DAY

3

09:00 – 10:45

Workshop Agenda

Regionalised LCA studies

Regionalized inventory and regionalized LCIA models

Customised regionalized impact assessments

Case study using AWARE (water scarcity)

10:30 – 10:45

Coffee break

10:45 – 12:30

Product Environmental Footprints (PEFs)

Introducing PEFs

Working with PEF datasets

Creating PEF models

12:30 – 13:30

Lunch break

13:30 – 16:30

openLCA tweaks and tricks

Using openLCA to collaborate in teams

Strategies for LCA case studies with openLCA

Questions and Feedback

Registration and Fees

To register for the course, please fill out the registration form available at the end of this document and online at www.openlca.org/training and return it to us per fax, mail or email.

The fee for the training is as listed in the table below. Students and faculty members of educational institutions using the software for academic purposes will be charged a reduced fee. The cost includes cost of attending training, training material (openLCA software and other material soft copies) and two snacks, tea and a lunch per day for 3 days.

Prices Type of training	Normal fee	Discounted fee*
Corporate / Individual	20,000	18,000
Academic / Students	15,000	13,500

*Discounted fee available for registered candidates till 31 October 2018
applicable taxes extra (+ 18% GST)

The venue

RSM GC Office, CBD Belapur, Navi Mumbai (www.rsm-gc.org)

Contact

If you have other questions not addressed by this document, need further clarifications on any of the points commented, please contact us:

Tel. +91 22 2757 4335 / 36

lca@general-carbon.com

Ms. Nishtha Verma / Mr. Siddharth Joshi

GreenDelta GmbH

Müllerstrasse 135, 13349 Berlin, Germany

training@greendelta.com

Profile of the trainer:



Ms. Burhan works with GreenDelta in Berlin. She holds a master's degree in project management for environmental and energy engineering from IMT-Atlantique, Nantes, France. Her expertise lies in life cycle assessment (LCA) case studies, life cycle costing, risk assessment and LCA database management. At GreenDelta, she is involved in the implementation and harmonization of life cycle inventory databases in openLCA, creation and compilation of impact assessment methods for openLCA and conducting Life cycle assessment case studies (European projects).

Together with the software development team, she works to make data available in “traditional” and innovative ways for GreenDelta's LCA software package openLCA.



Andreas Ciroth is founder and director of GreenDelta, a sustainability research, consulting, data and software company with focus on life cycle analyses. Environmental engineer by education, he finished his PhD (error calculation in LCA) in 2001 at TU Berlin and is working since then in the field of Life Cycle Assessment and sustainability. He is leading the openLCA project to create a free, open source sustainability assessment software, and has initiated the world's largest repository of LCI datasets for LCA, openLCA Nexus.

Andreas is co-chair of the working group on meta-data descriptors in UN's Global network of Interoperable databases, GLAD, and an international expert in LCA software and databases. He currently advises the German environmental ministry in its relation to GLAD, as independent expert, and has supported UNEP in projects related to LCA database creation in Malaysia and Brazil, including training and capacity building.

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Registration Form

Type of training: (1) with exam and certification (2) without exam

Language: English

Price (excluding GST; see above or refer to <http://www.openlca.org/trainings/>): _____

Participant information:

Organisation information (if applicable):

Name	Name
Address	Authorizing authority
City, Postal code	Signature and Stamp (Authority)
Country	
Tel. no.	
Email	
Job Title	
Department	
GST No*	

* for Corporate sponsored candidates

Please complete the fields on this page and send a copy to the following e-mail ID.

lca@general-carbon.com

I hereby register for the above-specified training course. I have read and accept the Terms and Conditions.

Signature of Participant

Date