

Modeling in openLCA

Training for Professional Development in Life Cycle Assessment

September 30, 2016

Charleston, South Carolina

One day in length, held the day after the LCA XVI Conference

LEARN **How to create an LCA model & analyze results in openLCA**

- Compatible datasets including Ecoinvent & GaBi.
- Contribution analysis, drill down, & product comparison

How openLCA supports teams, critical review, & collaboration

- Data exchange features
- Using OpenLCA in teams
- Transparency

How openLCA makes advanced analysis simple

- Interactive reports
- Sensitivity and Monte Carlo uncertainty analysis
- Results visualization

GOAL & TARGET AUDIENCE

The goal of the course is that participants leave with the ability and confidence to create an LCA model to meet the needs of their organization. The target audience is those interested in using openLCA for business, research, or teaching. We assume participants have a basic knowledge of LCA.

FORMAT

The course is one full day in length (tentatively 8:30 am-4:30 pm). The course format is interactive including hands on exercises with example datasets. The class size will be limited to allow for effective group discussion and one-on-one interactions. Content will be tailored to attendees' goals.

LOCATION



The historic **Francis Marion Hotel**, 387 King Street, Charleston, SC 29403; the same venue as the LCA XVI Conference.



REGISTRATION

To register for the course, complete the attached registration form. The cost of the course is \$850. Register on or before August 31 for a \$100 early bird discount. A student discount of \$100 is also available. Send questions to openlca@erg.com.

ABOUT THE INSTRUCTORS



ANDREAS CIROTH

Andreas Ciroth is the **Founder and Managing Director of GreenDelta and a co-creator of openLCA**. Dr. Ciroth has been active in the creation of approaches and tools for life cycle assessment for the past 15 years and has authored numerous studies. He serves as a Subject Editor for the International Journal of Life Cycle Assessment, a member of the Ecoinvent and U.S. Life Cycle Inventory Advisory Boards, and chairs the Work Group on Data and Methodology for the UNEP/SETAC Life Cycle Initiative. He holds a PhD from the Technical University of Berlin.



TROY HAWKINS

Troy Hawkins is a **Senior Analyst with Franklin Associates, A Division of Eastern Research Group**. Dr. Hawkins has a decade of LCA experience including leading the development of a web-based tool for incorporating sustainability into the U.S. Department of Defense acquisition process and performing environmental materiality and LCA studies for corporate and government clients. Prior to joining Eastern Research Group, he served as the Director of Life Cycle Assessment for Enviance and as a member of the LCA Research Center in the U.S. EPA's Office of Research and Development. He holds a PhD from Carnegie Mellon University.

ABOUT OpenLCA



openLCA is a free, professional, open source life cycle assessment software with a broad range of databases and features. It is designed for business and research use and has been incorporated by numerous University courses. The popular Ecoinvent and GaBi datasets can be purchased and downloaded from the openLCA Nexus website for use in openLCA. In addition, the Nexus offers many other free LCA datasets.

As a free, open source software, openLCA is easily scalable for small and large organizations and is an ideal basis for customized applications. openLCA is regularly updated by GreenDelta who has been developing it since 2006. Support for openLCA users in the U.S. is provided by Franklin Associates, a Division of Eastern Research Group.

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MODELING IN openLCA TRAINING REGISTRATION

DATES	CONTENT	TYPE OF TRAINING	DURATION	LANGUAGE	PRICE PER PARTICIPANT
Sept 30th, 2016	Modeling in openLCA	Group, in Charleston, SC	1 Day	English	Normal fee: \$850 Early reg. discount: \$100 Student discount: \$100

PARTICIPANT INFORMATION:

ORGANIZATION INFORMATION (IF APPLICABLE):

Name	Name
Address	Authorizing authority
City, Postal code	Signature
Tel. No.	
Email	
Job Title, Department	

TERMS AND CONDITIONS

Training materials are provided to participants online following the course. Participant cancellations received more than two weeks before the training will be refunded 50% of the registration fee. After that time, the registration fee is non-refundable. If you are unable to attend the training for any reason, it is possible to send a different person in your place. If the training must be canceled by GreenDelta due to low registration or other circumstances, registered participants will receive a full refund of the registration fee. In the case of cancellation, GreenDelta cannot be held responsible for costs associated with participant travel and lodging.

Send completed form to GreenDelta GmbH by email at training@greendelta.com. Payment may be made via PayPal to ciroth@greendelta.com.

I hereby register my participation in the training "Modeling in openLCA" on September 30th, 2016. I have read and accept the Terms and Conditions.

 Signature of Participant

 Date