



EarthShift

Changing the way we look at natural resources

Introduction to LCA & SimaPro Two-Day Course

Location: This is an in-person, course held in Portsmouth, NH

2010 Schedule: Feb 11&12, March 10&11, April 14&15, May 12&13, July 21&22, Sept 2&3, Dec 2&3

Time: Two days 9-5 with 1hr lunch break

Cost: \$2000 per person (\$1000 per person/ per day) Three or more attendees from an organization receive a 10% discount.

Registration: Email the training registration form to training@earthshift.com.

COURSE OBJECTIVES

To introduce students to SimaPro and the ISO 14040 and 14044 LCA methodology. It provides an overall framework for understanding what is involved and how to interpret the results.

DESCRIPTION

Take this in-depth introductory course to learn the basics of life cycle assessment and to get familiar with the software and the methodology that turn it into action. This course will familiarize you with the steps involved in doing a life cycle assessment as well as giving you hands-on experience using SimaPro software. You will receive a small class experience with your instructor, a well experienced LCA/SimaPro professional.

TOPICS COVERED

- ④✘ What is Life Cycle Thinking
- ④✘ Goal & Scope, with specific attention to functional units, boundaries, and allocation.

- ④✘ The Structure of SimaPro: database, projects, libraries.
 - ④✘ Life Cycle Inventory: types of data, finding data, gathering data.
 - ④✘ SimaPro Libraries, with special attention toecoinvent, and input-output data.
 - ④✘ Impact Assessment Methods in SimaPro: including an explanation of characterization, damage assessment, normalization, weighting, midpoint, and endpoint.
 - ④✘ How to structure a Project: substances, processes, product stages
 - ④✘ Interpretation
 - ④✘ Data Quality and Uncertainty
 - ④✘ Life Cycle and End of Life Modeling: general concepts will be introduced.
 - ④✘ Hands on Experience with SimaPro: create processes and a life cycle, using parameters, do basic analyses
- Database management, importing and exporting from SimaPro

ORGANIZATION

All classes are two days long. Regularly scheduled classes are held in Portsmouth, NH unless otherwise indicated on our website. Private training/consulting may be set up for an additional fee. Please contact us for a quote (price depending on location and number of attendees) and to set up a time.

If you would like to take the class but do not have access the software, we will provide you with a temporary license.

During the class you will receive a print-out of the presentation slides, which you can use for note taking during the class, and a training manual that you can use for reference. These prove to be a great help when conducting your future LCA's.

PREREQUISITES

An analytical background and some understanding of chemistry are helpful but not required.