

LCA ninja training with SimaPro

This course is for people new to LCA or who have been playing around the edges but never really got a solid understanding of what the LCA method is, and what it isn't. We cover the fundamentals of LCA, and standardised procedures and an overview of how LCA is undertaken in a practical sense.

This course is an innovative mix of online training to familiarise people with LCA methodology and two consecutive days of face to face training with SimaPro building up your own LCA models.



Course content

Introductory topics

- Structure and purpose of LCA: What LCA address and how it's structured to do this
- LCA standards: What are they and what do they require
- Goal and scope definition: Key to setting up the LCA
- Functional units: The basis for comparison- getting them right
- System boundaries: How deep, how wide- how do we decide?
- Inventory data: Modeling the foreground data and sourcing background data
- Structure of Life Cycle Impact Assessment: What are characterisation, normalisation and weighting?

Exploring LCA methodology

- Consequential LCA: What it is and how it differs from attributional
- Dealing with coproduction: Allocation hierarchy, joint and combined production
- Recycling loops: How best to treat recycling between different product life cycles.
- Impact Assessment: Midpoint and Endpoint methods. How do damage models work?
- Input output analysis: Using economic data to model life cycles

Using SimaPro

- Structuring LCA models: Getting the answer out in the form you need
- Using parameters: Once you go there you will never look back
- Scenario: Building fewer models but having more scenarios
- Making the data your own: Manipulating the inventory data for your LCA
- Import and export: Typing in data sucks- getting data into and back from excel
- SimaPro Analysis: Using groups and SimaPro audit features
- Building Impact methods: Interrogating and modifying impact models
- Uncertainty: Specifying uncertainty and understanding Monte Carlo results

Cost: \$1200 / \$600 student (ex. GST)

Date: 5-6 April 2017

Where: Melbourne - Suite 5 1-3 Smith Street, Fitzroy

Enquiries and registration:

courses@lifecycles.com.au
www.lifecycles.com.au

Who should do the course?

People wanting to familiarize themselves with LCA, begin undertaking LCAs or managing their implementation.

People wanting to move beyond carbon accounting into LCA.

People who have been fumbling around in LCA for a while but never really nailed the fundamentals.

IT requirements

Excel, Gotomeeting and SimaPro (can be supplied if participants don't have a working copy)

About your sensei

Based in Melbourne Tim Grant has worked for 16 years in LCA, undertaking over 50 full LCA studies including the development of the [Australian National Life Cycle Inventory Database](#). He is the founding and current president of the [Australian Life Cycle Assessment Society](#) and is a pillar of the international Life Cycle community internationally through his involvement with the UNEP/SETAC [Life Cycle Initiative](#), ISO standards development committee for ISO14048 and the [Forum for Sustainability through Life Cycle Innovation](#).



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