

Lifecycles Lab: LCA workshop

This course is for product designers, business owners, entrepreneurs, and developers who are passionate about designing and creating sustainable products and wanting to find an evidence base to support their decisions.

The Lifecycles Lab consists of 2 half-day LCA (Life Cycle Assessment) workshops. Through a combination of theory and practical training, participants will gain a high-level understanding of key LCA principles and develop a framework for sustainable product design and development.

Each participant is paired up with their own consultant who will use the SimaPro software to model their product's life cycle to identify hot spots, key opportunities and to help carve up a pathway to certification/verification.

Course content

INCLUDES

- Pre-workshop consultation of up to 60 minutes to prepare the consultant and participants for the day
- Two half-days of training and workshopping within Lifecycles Lab, refreshments and snacks are provided
- Access to a dedicated LCA practitioner, software and data
- Summary Report (3-5 pages) on initial findings and potential next steps, provided within two weeks of Lifecycles Lab

DOES NOT INCLUDE

- Completion of a peer reviewed LCA suitable for public claims
- Ongoing access to LCA software or databases

PRE-LIFECYCLES LAB CONSULTATION

- The initial consultation to occur two weeks prior to Lifecycles Lab to establish the goal of the study and assess the availability of data. Please come prepared with answers to the following:
 - What is your sustainability goal?
 - What are three burning questions that you would like answered?
 - Bill of materials (a list of materials and their exact units)
 - What is the usage and end-of-life scenarios of your products
 - Upstream logistics – where do you get your materials from, and how are they transported?
 - What do you think are the highest environmental impact areas?
 - What do you think are the highest environmental benefits of your products?
 - What market does your product operate in, and who does it compete with?
 - What other supply chain data do you have access to?

DAY 1

Theory:

- Understanding the structure and the purpose of an LCA
- Group goal and scope session

Practical:

- Map out your whole system (from supply chain to the end of life) with allocated consultant
- Work with the consultant to establish a 'functional unit', and start modelling on SimaPro
- Afternoon drinks and snacks with participants to discuss initial findings

DAY 2

Practical:

- Consultant and attendee(s) catchup session

Theory:

- Environmental archetypes and different types of LCA
- How to communicate 'green' and avoid greenwashing

Practical:

- Consultant and attendee(s) break out to get results and insights from the model
- Group discussion around insights and different pathways to verification/certification

Details

WHO SHOULD DO THE COURSE?

- Businesses who want to assess their product's environmental performance from an entire life cycle perspective
- Product designers who want to identify and address major hot spots to optimise environmental performance
- Entrepreneurs who want to weigh up a couple of product options, before they invest time/money into one idea
- Startups who are interested to see if they have an ethical supply chain from a social perspective

ABOUT LIFECYCLES

Lifecycles is a premium supplier of Life Cycle Assessment (LCA) and circular economy services across Australia and worldwide. It was founded in 2003 by Tim Grant who has worked in LCA for over 25 years. He is the founding member of the Australian Life Cycle Assessment Society and is a pillar of the international Life Cycle community 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. Lifecycles' mission is to create a more rational science-based approach to decision-making by providing sustainability consulting, LCA software tools and various training programs.

COST

\$3,500 ex. GST

(Includes one brand and up to two team members)

ENQUIRIES AND REGISTRATION

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lifecycles.com.au/life-cycle-assessment-training