

User's Guide to Life Cycle Assessment:

Training outline and objectives

This course is designed for managers and policy professionals seeking to get maximum value from environmental LCA studies. We explore the concepts underlying LCA, its various aspects and the value of LCA in environmental decision support. Other analytical tools using the LCA concept, and standards applying to LCA, are discussed.

The course uses examples and exercises based on practical applications of LCA.

Participants are expected to have some basic familiarity with life cycle assessment.

Introduction: Life Cycle Thinking

- Life Cycle Thinking and environmental impacts around the product life cycle
- Introduction to Life Cycle Management

➔ *Connect life cycle thinking, LCA and environmental action*

LCA Concepts

- LCA definition and overview
- LCA stages:
 - scoping LCA, system boundaries and functional units
 - Life Cycle Inventory and data for LCA (sourcing and allocating)
 - Life Cycle Impact Assessment and impact categories

➔ *Understand LCA project structure and LCA models*

➔ *Specify LCA projects confidently to meet different needs*

➔ *Critically assess LCA projects and results*

Applying LCA

- LCA in the environmental decision-support toolbox:
 - when to use LCA
 - carbon footprints and other LCA-based tools
 - LCA and marketing
 - practical considerations
- Checking LCA and LCA standards
- Harmonisation in LCA – pros & cons

➔ *Choose the most appropriate environmental evaluation tool*

➔ *Add value to your LCA projects*

Course Review and Q&A's

Training provided by EuGeos
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