

Life Cycle Assessment



Introduction

Life Cycle Assessment (LCA) is a method used to evaluate the environmental impacts of a product or process from raw material extraction to disposal.

It examines factors such as resource use, energy consumption, emissions, and waste, providing a comprehensive view of a product's environmental footprint.

A LCA is a valuable tool for identifying areas for improvement, supporting sustainable decision-making, and serves as important documentation for communication and claims.

Why have an LCA?

Transparency:

1

A LCA provides clear insights into a product's full environmental impact and highlights areas for improvement.

Informed Decision-Making:

It helps businesses make more sustainable choices in design, production, and operations.

2

Credible Communication:

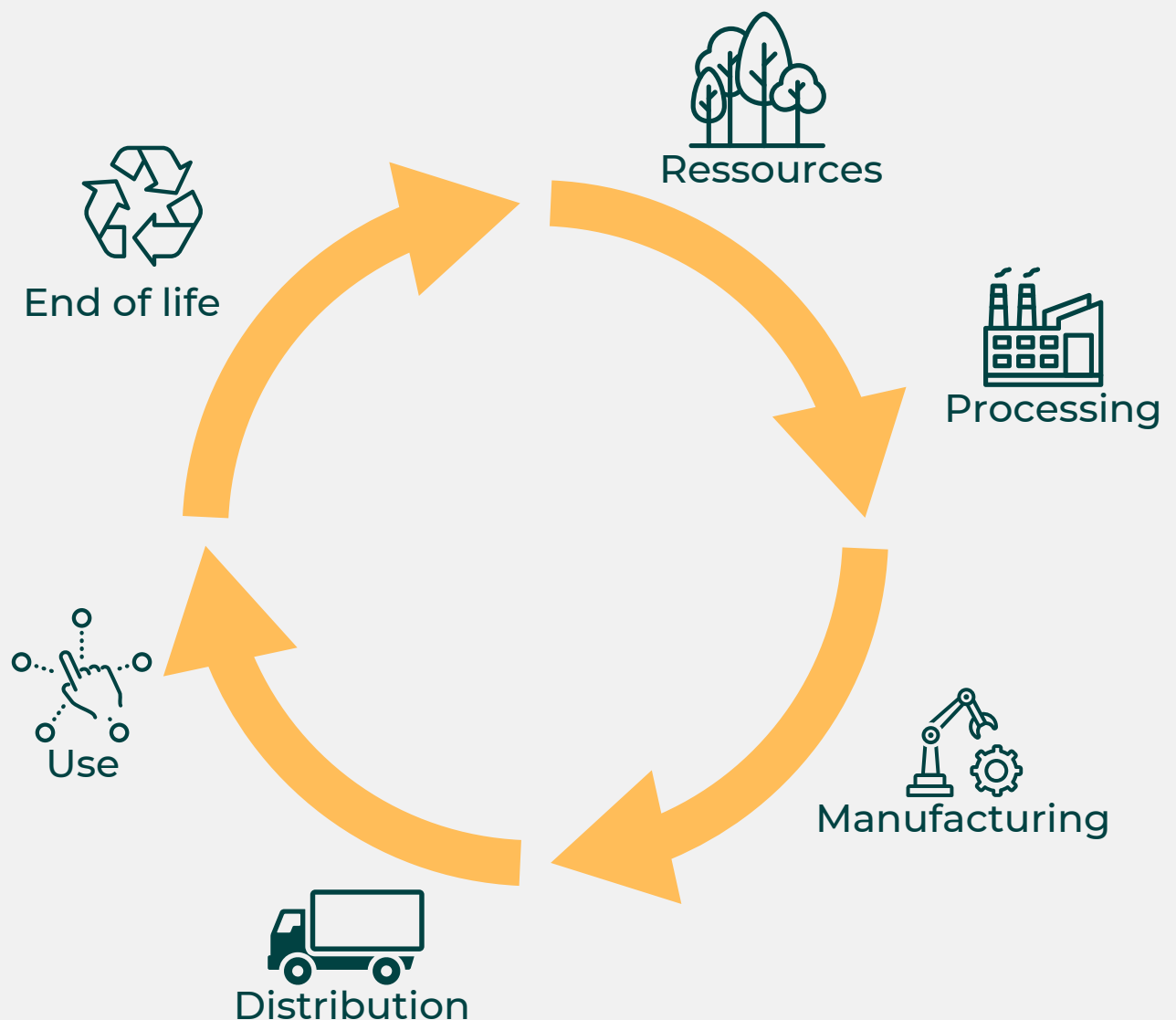
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LCA's supports sustainability claims and allow you to communicate about your product or process from an environmental perspective.

Life Cycle Assessment

The process of a Life Cycle Assessment (LCA) is carried out according to ISO 14040 and ISO 14044 and measures the environmental impact at different life cycle stages from extraction of raw materials to disposal.

At Green Survey, LCA's are performed by LCA specialists in SimaPro Software based on the Ecoinvent database and other relevant industry-specific databases.



Time Frame and disclaimer

Time frame

A LCA should be renewed at least every 5 years, or sooner if there are significant changes to the product, process, data, or if regulations or methods evolve. Regular updates ensure the assessment remains accurate, credible, and relevant.

Disclaimer

- The results from a LCA does not conclude if a product or process is sustainable or not.
- Comparing LCA's can be difficult due to differences in methodology, assumptions, data and system boundaries. Therefore, we strongly recommend to use LCA results to communicate transparent about the specific product or process and only compare with other LCA's if an assessment is comparable.

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