

Harmonising Algae-based LCAs

Selecting Systems and Data Providers



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Context & Purpose

- LCAs for algae-based systems are far from straightforward due to high variability in:
 - *cultivation techniques*
 - *processing methods*
 - *end-use applications*
 - ...
- Collaboration across multiple EU-funded initiatives working towards a common goal:

Ensure the environmental impact assessments are **accurate, transparent, and standardized.**

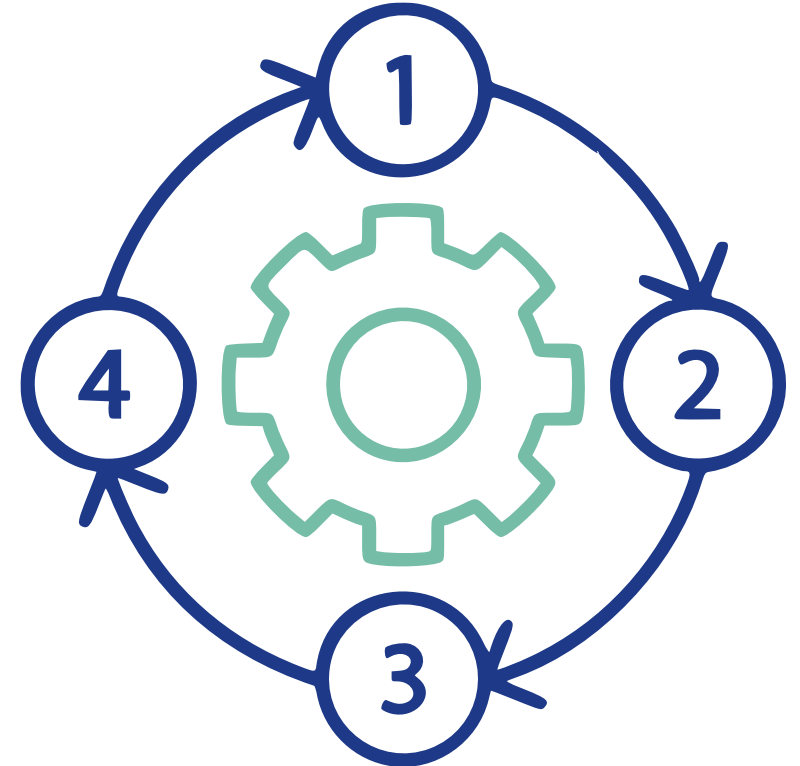


Process selection

The way we define and structure LCA processes has profound implications on the outcomes of our assessments.

- How process selection affects LCA comparability
- What are the main issues?
- How can we address them?

Work towards solutions that can benefit the entire algae sector



Programme



REALM



CIRCALGAE



- 14:30 ● Welcome
- 14:35 ● EU support to Algae Sector Developments
- 14:50 ● Comparing LCA of Micro- and Macroalgae Products: Approaches and Challenges at LOCALITY project
- 15:00 ● LCA of the REALM Microalgae Production System: Challenges of Methodology, Data, and Baselines
- 15:10 ● Conducting LCAs of 3 Macroalgae-based Products and a Comparison with Land-based Alternatives
- 15:20 ● Valorisation of Algae Production Waste Streams
- 15:30 ● Prospective and Attributional LCAs of Emerging ALGAE-PROducts in the BANOS Region
- 15:40 ● Panel Discussion
- 16:40 ● Closing Remarks

