

## SUSTAINABILITY WORKSHOP ON LIFE-CYCLE ASSESSMENT

Dear member,

Evaluating the impact of new technologies before they are fully scaled is becoming a standard requirement for investment and design decisions. Understanding long-term consequences of circular strategies and material innovations involves complex variables which are hard to model manually across diverse product portfolios. The ultimate goal is to move to a reliable system for assessing the true sustainability potential of new technologies. This workshop addresses these challenges by looking at the methodologies for modeling future scenarios, the AI and automation tools that can handle these calculations at scale, and how to structure data storage so that these evolving models remain traceable and ready for audits.

The workshop opens with an introduction and policy update given by Geert Boogaerts from essenscia. This is followed by the keynote on pLCA held by Matthias Buyle from the University of Antwerp. A presentation on data storage will be given by Peter Saling (BASF, TUDresden, and tfs). Giuseppe Cardellini from Vito, Wei Xing from Sheffield University and Raoul Meys from Carbon Minds will cover the topic of AI and Automation for LCA. The workshop concludes with a walking lunch which provides space for informal discussion and networking.

The workshop will take place at VBO/FEB, Ravensteinstreet 4B, 1000 Brussels. The location is easily reachable by public transport.

The target audience is R&D people, business developers, innovation managers, and sustainability managers; please feel free to forward this invitation to relevant colleagues.

[To register, please click this link](#); and in case of questions, please contact Michèle Celis at [mcelis@essenscia.be](mailto:mcelis@essenscia.be).

We wish you an instructive workshop.

Geert Boogaerts  
Director Safety and Sustainability  
essenscia

Wouter Biesemans  
Director Quality, SHE & Compliance  
Ajinomoto Omnicem

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12 June 2026 | 08:30 – 13:30  
VBO/FEB, Ravensteinstreet 4B, 1000 Brussels

## Program Overview:

08.30.....	Welcome Coffee
09.00.....	<b>Introduction and policy update</b> Geert Boogaerts, Director Safety and Sustainability, essenscia
09.15.....	<b>Modeling future scenarios with prospective LCA</b> Matthias Buyle, FWO post-doc, Faculty of Applied Engineering, University of Antwerp
10.15.....	<b>Data storage</b> Prof. Dr. Peter Saling, Director Sustainability Methods, BASF, Professor at Technical University Dresden, Co-Chair of the Tfs PCF Guideline Work Package Practical recommendations
10.45.....	Coffee break
11.00.....	<b>AI and automation applied to LCA</b> Giuseppe Cardellini, Senior Researcher, VITO An overview
11.30.....	<b>A company's experience with AI and Automation for LCA</b> Raoul Meys, Managing Director, Carbon Minds An application of the current possibilities
12.00.....	<b>An autonomous AI agent for LCA</b> Wei Xing, Lecturer, University of Sheffield A glance at the near future
12.30.....	Sandwiches and networking
13:30.....	End of workshop