

Invitation to the Seminar:

Life Cycle Assessment – Advanced analysis

"Life Cycle Assessment as a decision support tool in the circular economy context",

Wednesday, 29 April 2026, 11:00–13:00

**"Life Cycle Assessment in the context of interdisciplinarity research: lessons learnt and
open challenges",**

Wednesday, 6 May 2026, 14:00–16:00

held by

Monia Niero, PhD

*Associate Professor in Sanitary and Environmental Engineering at the Sustainability and Climate Interdisciplinary
Center, Sant'Anna School of Advanced Studies.*

*She is a chemical engineer and obtained a PhD in Industrial Engineering from the University of Padova in 2013 with
a doctoral thesis entitled "Solutions to improve the reliability and applicability of Life Cycle Assessment in
industries".*

*Her research interests range from Life Cycle Assessment (LCA) of products, processes and systems to the
development of decision support tools for the implementation of circular economy strategies at product and system
level. Before joining Sant'Anna School of Advanced Studies in 2023, she worked from 2018 to 2022 as associate
professor at Aalborg University, Department of Planning in Copenhagen (DK) where she gained teaching experience
according to the teaching model based on Problem Based Learning (PBL) and research experience on sociotechnical
approaches. From 2013 to 2018 she worked as a postdoc researcher at the Technical University of Denmark (DK),
Department of Management, Division for Quantitative Sustainability Assessment (QSA), where she was involved in
research projects on LCA and circular economy.*

**Wednesday, 29 April 2026, 11:00–13:00 and Wednesday, 6 May 2026, 14:00–16:00
at DESTEC – aula Tesi via gabba 22, Pisa**

*This two-day course provides an in-depth presentation of case studies where the Life Cycle Assessment (LCA)
methodology has been applied to the implementation of circular economy strategies as well as in combination with
socio-technical approaches to support the decision-making process and for the assessment of emerging technologies.*

Agenda

DAY 1 Life Cycle Assessment as a decision support tool in the circular economy context

- Application in the packaging and electric vehicle batteries sectors
- Combination of LCA with circularity indicators

**DAY 2 Life Cycle Assessment in the context of interdisciplinarity research: lessons learnt
and open challenges**

- Understanding the role of consumers in a circular economy
- Involving stakeholders in the decision-making process
- Assessment of emerging technologies
- The role of digital technologies