

93rd LCA Discussion Forum

Scaling Reliable LCA through Automation: Expectations, Best Practices, and Lessons Learned

7 July 2026, ETH Zentrum Campus, GEP Pavilion

We cordially invite you to the **93rd Discussion Forum on Life Cycle Assessment**
Presentations will be held in English

The demand for environmental assessment of organisations, products and services is growing rapidly, driven by EU regulations and market needs. LCA is the method of choice for quantifying the whole-life-cycle potential environmental impacts of organisations, products, and services. As shown in the 92nd LCA discussion forum, many organisations are now using Artificial Intelligence (AI) to keep up with increasing reporting demands and to automate LCA data creation. These AI solutions and other IT software options are creating a complex web of procedures and tools that need to be connected to deliver the streamlined, integrated solutions that industries and government agencies are seeking.

This, in turn, can generate "black box" structures that should be better understood if we want to alleviate the concerns about transparency, reliability, interoperability, and misalignment with the modelling requirements of diverse assessment standards across regions and sectors. In addition, the automation structures should be further discussed and explained by LCA practitioners to ensure that the sector keeps a high level of trust with all stakeholders of society.

To support this discussion, the forum will first provide an overview of stakeholders' needs and expectations, then explore key reliability and transparency requirements, and finally highlight current implementation examples from different LCA practitioners. Additionally, we will ask all participants to share their perspectives on potential connections among existing digital tools to assess whether, and to what extent, fully integrated automation might streamline LCA while maintaining its trustworthiness, and which specific problems need to be solved to do so.

The activities of the day aim to provide opportunities to better understand what automation entails in practice, the needs it aims to address, and the methodological and technical requirements that must be met to ensure reliable comparison of automated LCA in the future.

We look forward to meeting you in Zürich

Didier Beloin-Saint-Pierre (Empa) and Max Rehberger (TÜV Süd)

Programme (as of June 19, 2026)

* = Online contributions

	Time		Speaker [Chair]
	08:30	Registration, coffee & croissants	
	09:00	Welcome and introduction to the topics of the day and links with the 92 nd LCA Discussion forum	Didier Beloin-Saint-Pierre
Understanding the needs and expectations of stakeholders			Didier Beloin-Saint-Pierre
01	09:20	From Pilot to Policy: How France is Scaling LCA-Based Ecolabelling	Vincent Coulomb (ADEME)
02	09:40	Transparency at scale: Enabling decarbonization with automated LCAs	Leila Reau (SIKA)
03	10:00	Maturity Assessment for LCA Automation Assessing of an organisation's readiness to automate and scale LCA, including the maturity to leverage AI	Martina Prox (iPoint)
	10:20	Discussion	
	10:30	Coffee break	
Ways to Build Trust in Automatically Generated LCA Studies <i>Understanding the general procedures</i>			Kathrin Miche
04	11:10	Trust in Automatically Generated LCA Studies	Max Rehberger (TÜV Süd)
05	11:30	Enabling LCA at Scale: The ecoinvent API	Nick Van Berckelaer & Veronika Madzinova (ecoinvent)
06	11:50	Trust in procurement-driven distributed PCF assessments*	Florian Jäger (Siemens)*
	12:10	Discussion	
	12:30	Lunch	
Short presentations			
	13:30	From Expert Models to Decision-Grade Environmental Data: What Industry Needs from Automated LCA	Bastien Girod (Deloitte)
	13:40	The Sentier Platform: Backbone of a Scalable and Flexible LCA Data Pipeline	Laurenz Bougan (Départ de Sentier)
	13:50	ALCHEMIA: Automating the Bridge Between Process Simulation and Reliable LCA	Lukas Spiekermann (ETH)
Automation in various sectors – Tools and Transparency <i>Examples of automation procedures and tools</i>			Max Rehberger
07	14:00	Scaling is easy; scaling reliably remains a craft	Eric Miras (Pré/One Click)
08	14:20	<i>Myth and Reality - LCA automation and scalability</i>	Sophie Kieselbach (Makersite)
09	14:40	From automation to integration into all business processes – sustainability is more than a reporting topic	Frauke Burmeister (SAP)
	15:00	Discussion	
	15:15	Coffee break	
Plenary Discussion: connecting automated tools and stakeholders <i>Identifying the needed collaboration for reliable automation</i>			
	15:45	Introduction to Plenary	Didier Beloin-Saint-Pierre (Empa)
	16:00	Group discussions on bridging options	All participants
	16:45	Feedback/Summary from group discussions	Group representatives
Conclusion			
	17:00	Wrap up and announcements	Didier Beloin-Saint-Pierre (Empa)
	17:15	Farewell	

Practical information

Please use the following link:

<https://ethzurich.eventsair.com/lca2026/registration>

To register, you need to create a profile, which takes only a few steps and is self-explanatory. In case you are not able to pay by credit card, please send an email to: lcaforum@ethz.ch with a short notice that you want to receive an invoice instead. Please provide the full invoice address and the selected fee type.

Also, for any further questions about the registration process, please do not hesitate to contact:

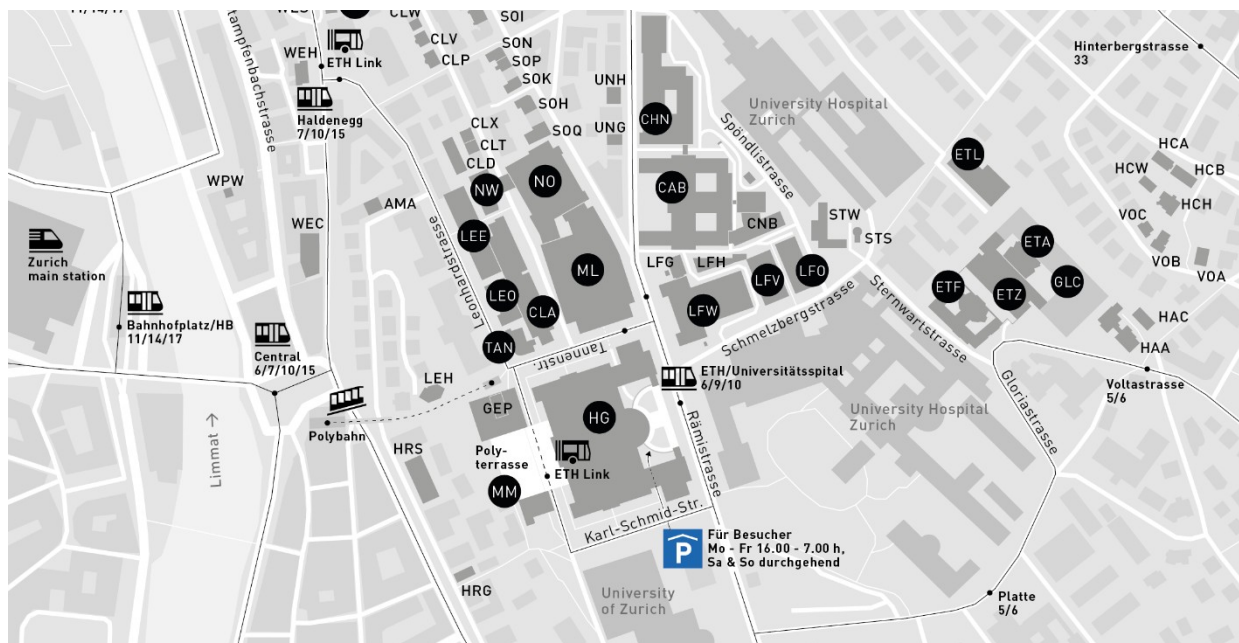
lcaforum@ethz.ch

Lunch

A vegetarian lunch will be served nearby. Vegan options are always on offer.

Location

The DF will take place in the **GEP Pavilion**, at Campus ETH Zentrum, ETH Zurich, Rämistrasse 101, 8092 Zurich (see map below). From the main train station, cross the river Limmat and use the "Polybahn" cable car.



For further information, please get in touch with Barbara Dold: lcaforum@ethz.ch