



78th Jubilee LCA Discussion Forum

Life Cycle Thinking = Lower Environmental Footprint?

13 and 14 September 2021, ETH Zentrum campus, Auditorium E7 and online

We cordially invite you to the **78th Discussion Forum on Life Cycle Assessment**
The official language of this event is English

LCA is supposed to help us tackle the huge global environmental challenges, as the necessary improvements of our global environmental performance (impacts on climate, biodiversity, water, toxic effects, etc.) and the global trends do not yet match at all. LCA alone cannot do the trick, but we would expect LCA to be an important tool supporting economy and society to identify ways how to operate within planetary boundaries. But is this the case? Which big decisions did make use of LCA and led to substantial environmental improvements? And what can we learn from them?

You are cordially invited to discuss:

- **How much does LCA really help in reducing pressure on the environment?**
- **Which important decisions were based on life cycle thinking and analysis?**
- **How can LCA become more effective for big and relevant issues?**

Keynote speeches of **Ion Karagounis**, WWF Switzerland, **Kora Kristof**, German UBA (tbc), and **Josef Käzlig**, Swiss BAFU, will set the floor for an exciting two day 78th jubilee LCA forum, incl. a surprise evening get-together.

We look forward to meeting you in Zürich

Rolf Frischknecht
treeze Ltd.

Arthur Braunschweig
E2 Management Consulting AG

Programme (tentative, as of 7 September 2021, subject to change)

Time	Monday, 13. September 2021	Speaker [Chair]
9:15	Registration	
	Keynotes: The environmental stage, the economic drama, and the playwright[§]	[Arthur Braunschweig, E2]
10:00	Welcome and introduction	Rolf Frischknecht, treeze
10:10	The environmental situation today, reduction needs and consequences on our economic system	Ion Karagounis, WWF Switzerland
10:45	Incremental progress versus leap frogs: what does history tell us about the role of continuous improvement vs. big ideas and big shifts?	Kora Kristof, Chair of Principles Unit, Environmental Agency UBA, Germany (tbc)
11:20	Life Cycle Thinking and the Use of Life Cycle Assessment for and in Policies	Josef Känzig, Swiss Federal Office for the Environment, SFOE, Switzerland
11:55	Discussion	
12:25	Lunch	
	The role of LCA towards lifestyles within planetary boundaries	[Rolf Frischknecht, treeze]
13:45	Welcome address	Michael Baumer, Councillor, City of Zürich
14:00	LCA to support policy actions: Life cycle-based indicators for monitoring the environmental impacts of EU consumption	Esther Sanyé-Mengual, DG-JRC *
14:20	We should consider absolute relevance of LCA-studies in each assessment	Arthur Braunschweig, E2
14:40	The concept of functional unit is not enough to use the full power of LCA	Niels Jungbluth, ESU-services
15:00	The Art of Living a Good Life – An Interactive Personalized Exhibition Experience that Reduces the Environmental Impacts of Different Lifestyles	Matthias Stucki and Petra Bättig, ZHAW
15:20	Discussion	
15:30	Coffee break	
	Lessons learned from applying LCA in industrial and public policies	[Mischa Zschokke, carbotech]
16:00	Relevancy and Adequacy of Life Cycle Approaches for different stakeholders and goals, towards a common intention	Martin Baitz, sphera
16:15	The 4 key elements for an effective use of LCA in the building sector; the Swiss case	Annette Aumann, AHB, City of Zürich
16:30	A Geography of Life Cycle Assessment	Myriam Saadé-Sbeih, Université Gustave Eiffel *
16:45	US EPA Applications of LCA	Michael Gonzalez, US EPA *
17:00	LCA to support policy related decisions: always late?	Enrico Benetto, LIST *
17:15	Discussion	
17:35	Announcements: Social tour and Dinner	
17:45	End of 1st day	
18:00	Transfer to Ambosrampe Apéro offered by the City of Zürich	

§ Inspired by the title of the PhD of Reinout Heijungs (1997) Economic drama and the environmental stage; Formal derivation of algorithmic tools for environmental analysis and decision-support from a unified epistemological principle. Centre for Environmental Sciences, Leiden University, Leiden

* on video

Time	Tuesday, 14. September 2021	Speaker [Chair]
8:30	Registration, coffee & croissants	
	Successful sectorial LCA applications	[tbd]
09:00	Naturemade labelled energy and resources: LCA ensures low footprint solutions	Regina Bulgheroni, VUE
09:20	Carculator: open-source and transparent life cycle assessment tool for car-based individual mobility	Romain Sacchi, PSI
09:40	Life cycle thinking leads farmers towards a more eco-efficient agriculture	G�rard Gaillard, Agroscope
10:00	Our 30 years of success and frustration with LCA	Fredy Dinkel, Carbotech
10:20	Discussion	
10:30	Coffee break	
	A look into the future: LCA in 2030	[Roland Hischier, Empa]
11:00	A new method for analysing sustainability performance of global supply chains to effectively address big and relevant issues	Livia Cabernard, ETHZ
11:15	LCA, computers and a sea of data to navigate	Brenda Miranda Xicotencatl, CML, Leiden
11:30	Harness the power of the LCA community to unlock the potential of life cycle metrics	Eric Mieras, PR� *
11:45	Democratization of LCA: propagating sustainable behaviour through streamlined and inclusive processes for accessible LCA results	Didier Beloin-Saint-Pierre, Empa
12:00	What if we actually cared about climate change?	Chris Mutel, PSI
12:15	Discussion	
12:35	Lunch	
	Demands on LCA in 2030: Workshops	[Arthur Braunschweig]
14:00	Breakout groups: Demands on LCA in 2030 <ul style="list-style-type: none"> - in administration - in industry - in environmental NGOs/civil society 	
	Conclusions	
15:20	World Caf� on workshop results	Arthur Braunschweig
15:50	Fare well	Arthur Braunschweig, Rolf Frischknecht
16:00	End of 78th Jubilee LCA Forum	

