



## 63<sup>rd</sup> LCA Discussion Forum

### HOW CAN LCA SUPPORT THE CIRCULAR ECONOMY?

Wednesday, 30 November 2016, ETH Zürich, Alumni Pavillon

We cordially invite you to the **63<sup>rd</sup> Discussion Forum on Life Cycle Assessment**

The official language of this event is English

The concept of Circular Economy is gaining popularity in Europe and elsewhere. Both the recycling of waste and a (recycling friendly) eco-design are components of a Circular Economy. How can LCA support the creation of a Circular Economy? How can LCA be used to ensure a positive balance of efforts and benefits? How shall substituted materials and products be accounted for, who can claim the benefit, and how is resource quality taken into consideration? How can wastes and resources be managed to minimize their environmental impacts? How can products be designed in an eco-friendly manner to close material cycles?

The 3<sup>rd</sup> discussion forum this year will give the floor to representatives from industry, authorities, academics, and organisations to present new applications and approaches of LCA in combination with various other environmental assessment tools (e.g. MFA, LCA and/or mathematical optimization) to manage wastes and resources sustainably and to support decision-making towards a circular economy. A focus will be laid on factors relevant for the benefits of the circular economy, such as waste and resource quality aspects and their influence on the recycling system, as well as product quality. Finally, examples of LCA applications for eco-design, waste management and systemic analyses across sectors will be shown.

We look forward to meeting you in Zürich

Melanie Haupt, ESD/ETH Zürich

Organizing Committee

Mischa Zschokke, Carbotech AG



## Programme (tentative, as of 21<sup>st</sup> of September 2016):

Time	Approximate content of talks	Possible speakers [moderators]
8:30	Registration, coffee & croissants	
9:00	Welcome and introduction	Mischa Zschokke
	Circular Economy: Policy and Politics	[Mischa Zschokke]
9:05	Setting the scene - Circular Economy in Swiss legislation.	N.N. (BAFU)
9:30	Circular Economy concepts in the EU	N.N., tbc
09:50	Circular Economy in the context of other sustainability concepts: how can it work in the food industry?	Urs Schenker (Nestlé)
10:10	Coffee break	
	Research – How can LCA support the Circular Economy?	[Melanie Haupt]
10:40	Life-cycle costing of food waste prevention and importance of indirect effects	Prof. Thomas Astrup (DTU)
11:10	Recycling and LCA: Choices and results	tbc (Carbotech AG)
11:40	Recycling contaminants: chemicals in the paper product cycle	David Laner (TU Vienna)
12:10	Managing waste for an efficient and clean circular economy: Indicators and tools	Melanie Haupt (ETH Zürich)
12:40	Lunch	
	Applying circular economy in practice – short presentations	[Mischa Zschokke]
13:40	Short presentations, please submit your proposal to Mischa Zschokke: <a href="mailto:m.zschokke@carbotech.ch">m.zschokke@carbotech.ch</a> (5 presentations, 10 min presentation + 5 min discussion)	
13:55		
14:10		
14:25		
14:40		
15:00	Coffee break	
15:30	Panel discussion or group discussions with subsequent short presentations of results. Possible question to discuss: - How much circularity does economy need? - Is circular economy particularly sensitive to rebound effects? - ...	[Melanie Haupt]
16:25	Wrap-up and announcements	[Melanie Haupt]
16:30	Farewell	[Melanie Haupt]



## Practical information

### Registration

To register for the 63<sup>rd</sup> DF, please use the following link:

<http://www.registration.ethz.ch/eventolight/>

At the first instance you visit this Website you will be asked to create an account. Afterwards, please login with the information that is sent to you by email. Please click on “published events”, then select “Discussion forum on life cycle assessment 2016” and then click “Anmelden”. Afterwards, please follow the instructions.

Programme updates will be available at: [www.lcaforum.ch](http://www.lcaforum.ch)

### Lunch

Vouchers for lunch at the ETH restaurant will be provided to all participants. A vegetarian meal option is always on offer.

### Location

The DF will take place in the Alumni (GEP) Pavillon, Swiss Federal Institute of Technology Zurich, 8001 Zurich.

<https://maps.google.ch/maps/ms?msa=0&msid=205813047619347088253.0004e0af154b1fc2c1968&ie=UTF8&ll=47.376616,8.546441&spn=0.00287,0.006968&t=m&z=18&vpsrc=6&iwloc=0004e0af154df9d0190e4>



For further information, please contact Barbara Dold: [lcaforum@ethz.ch](mailto:lcaforum@ethz.ch)