69th LCA Discussion Forum

Regionalization in LCA: Current status in concepts, software and databases

Thursday, September 13, 2018, ETH Zürich, Alumni (GEP) Pavillon

We cordially invite you to the **69th Discussion Forum on Life Cycle Assessment**
The official language of this event is English

Regionalization in LCA has been a research topic over the last decade, but implementation in practice has still been limited. Since the last DF on regionalization in 2009, recent developments at all ends (underlying data availability, inventory, LCIA methods, software implementation) have made a lot of progress.

The topic has gained special importance due to the fact that the Life Cycle Initiative hosted by UN Environment recommends regionalized LCIA methods for water and land. The life cycle impact assessment methodologies LC-IMPACT and IMPACT World+ provide regional CFs. Furthermore, a growing number of regionalized LCI data is provided by LCI databases such as the World Food Database (WFLDB) and ecoinvent, even if coverage and the level of detail is still limited.

While regionalized assessment is an additional effort, it can be the low hanging fruit for improving LCA studies with limited efforts. This DF will include presentations on availability of and challenges with regionalized LCI data, LCIA, and their combination. Software suppliers will show how their tools are currently able to accommodate regionalized product systems with complex supply chains and what developments are ongoing. Finally, database providers will present their strategies how to implement regionalized life cycle inventories. The forum allocates ample time for discussing different approaches and identifying the most important needs to bridge scientific advances and practical implementation and to foster the implementation of harmonised solutions.

This forum is targeted to LCA practitioners, LCA software developers and LCA researchers.

We look forward to meeting you in Zürich

Stephan Pfister, ETHZ   Rolf Frischknecht, treeze Ltd.   Adrian Haas, ETHZ

Programme (as of 12 July 2018):

Time	Title	Speaker [Moderator]
8:45	Registration, coffee & croissants	
9:10	Welcome and introduction to the topic	Stephan Pfister, ETH Zürich
	Challenges and opportunities of regionalized LCIA	**[Stephan Pfister]**
9:25	Importance of regionalized LCIA in Swiss and international Environmental Policy	Josef Känzig, BAFU
9:45	IMPACT World+ method and application showcase	Manuele Margni, CIRAIG
10:05	LC Impact method and application showcase	Rosalie van Zelm, Radboud University
10:25	Discussion	
10:45	Coffee break	
	How to use current information and tools for regionalized LCA	**[Rolf Frischknecht]**
11:15	Regionalized assessment of environmental footprint of Swiss consumption from 1996 to 2015	Philippe Stolz, treeze
11:35	Regionalizing inventories by combining unit process and MRIO information for enhanced LCI and LCIA	Adrian Haas, ETH Zürich
11:55	Considering regionalised information by creating agricultural LCI	Jens Lansche, Agroscope
12:15	Discussion	
12:35	Lunch	
	Short presentations	**[Adrian Haas]**
13:40	Short presentations (max. 10 min. each) on application: (Please submit your proposal to frischknecht@treeze.ch)	
	Regionalised LCA in background databases	**[Stephan Pfister]**
14:20	Regionalized LCI: how to address this challenge in large background LCI databases	Gregor Wernet, ecoinvent
14:40	How to implement regionalized LCI in Water database, WFLDB (food) and/or WALDB (apparel)	Jürgen Reinhard, Quantis
15:00	Discussion	
15:20	Coffee break	
	Software Solutions for regionalized LCA	**[Rolf Frischknecht]**
15:50	Regionalized water-footprint (AWARE) of rice as modelled in LCA software: introduction to the case and task	Rolf Frischknecht, treeze
15:55	Assessment in openLCA	Andreas Ciroth, GreenDelta
16:05	Assessment in SimaPro	NN, PRé
16:15	Assessment in Brightway	Chris Mutel, PSI
16:25	*Implementation in other software*	*tbc*
16:45	Discussion	
17:00	**Wrap up, announcements, panel discussion and farewell**	**[Stephan Pfister]**
18:00	Wrap up and announcements	Stephan Pfister, ETH Zürich
17:10	End of official part	
17:15	Questions and answers related to regionalized LCI and LCIA in LCA software	Panel discussion with software providers
18:00	Farewell	Rolf Frischknecht

Practical information

Registration

To register for the whole year or a single LCA Discussion Forum, please use the following link:

https://www.converia.ethz.ch/frontend/index.php?sub=65

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

For all questions regarding the registration process, please do not hesitate to contact: lcaforum@ethz.ch

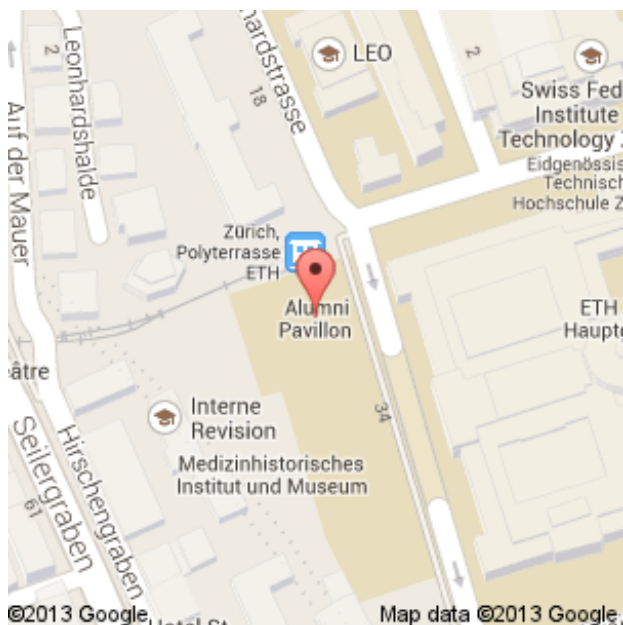Programme updates will be available at: www.lcaforum.ch

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=205813047619347088253.0004e0af154b1fc2c 1968&ie=UTF8&ll=47.376616,8.546441&spn=0.00287,0.006968&t=m&z=18&vpsrc=6&iwloc=0 004e0af154df9d0190e4

For further information, please contact Barbara Dold: lcaforum@ethz.ch