

87th LCA Discussion Forum

Biodiversity in LCA: how far have we come?

3 September 2024, ETH Zentrum campus, Alumni Pavillon (GEP) and online

We cordially invite you to the **87**th **Discussion Forum on Life Cycle Assessment**The official language of this event is English

We are currently within a sixth mass extinction of species, and it is widely recognized that actions need to be taken to prevent further biodiversity loss. Life cycle assessment (LCA) and input-output modelling can play a role in highlighting important impacts along global supply chains. In addition, these tools help find more biodiversity-friendly pathways for future societal development. However, to achieve this, models are needed that account for the numerous impacts biodiversity is facing and reflect the complexity of biodiversity and the importance of global spatially disaggregated assessments. 14 years after the first discussion forum on biodiversity, we take stock of the current state-of-the-art in assessing biodiversity in LCA and discuss the way forward for method development. Furthermore, to successfully use impact assessment models, also inventories are needed that can be relevant for identifying impacts and trade-offs. Lastly, to bring about real change, aspects of governance and transformative pathways need to be addressed.

We aim to address the breadth of biodiversity impacts, needs for inventories, as well as ongoing work related to transformative pathways by presenting and discussing snapshots of work from a range of scientists.

We look forward to meeting you in Zürich.

Prof. Dr. Francesca Verones Norwegian University of Science and Technology (NTNU), Norway

Ass. Prof. Dr. Laura Scherer Leiden University, The Netherlands

Prof. Dr. Stephan Pfister ETH Zürich, Switzerland

Dr. Martin Bruckner Vienna University of Economics and Business, Austria











Programme (*=online presentation)

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	Time		Speaker [Chair]
	08:15	Registration	
01	08:45	Welcome, Setting the scene, relevance/state, GLAM update	Francesca Verones, NTNU
02	09:00	Keynote: Footprints and finances: climate and biodiversity analytics in the private sector	Michal Kulak
Α	Advances in	life cycle impact assessment modelling	Mod: Stephan
03	09:15	Towards considering functional diversity in impact assessment	Laura Scherer, ULEI
04	09:35	Spatially delineating ocean acidification impacts	Sedona Anderson, NTNU
05	09:55	Swiss biodiversity metric	Maria Bystricki, Agroscope
	10:15	Discussion	
	10:35	Coffee break	
В	Advances in	inventory and input-output modelling	Mod: Laura
06	11:05	FABIO and FORBIO: A family of physical MRIO databases tracking the flows of more than 300 bio-based products through the global economy.	Martin Bruckner, WU
07	11:25	Regionalization efforts in ecoinvent to allow for spatial biodiversity assessment?	Thomas Sonderegger, ecoinvent
08	11:45	Biodiversity impacts from land-use change embodied in agri-food supply chains	Livia Cabernard, TU München
	12:05	Discussion	
	12:25	Lunch	
С	Short present	ations	Mod: Francesca
09 - 11	13:20	Up to 3 short presentations, 10' each	
D	How to impro	ve pathways for improving biodiversity protection in future	Mod: Martin
12	13:50	Just and viable transformative change pathways and targets for biodiversity	David Leclere, IIASA
13	14:10	What we know and don't know about how policies can enable transformation toward sustainable land use	Jan Börner, Universität Bonn
14	14:30	Identify and assess leverage points for biodiversity conservation in the European Union with a focus on non-food biomass	Stephan Pfister, ETHZ
	14:50	Discussion	
	15:15	Coffee break	
E	Cases and bus	siness applications	Mod: Francesca
15	15:45	SBTN: applying science to voluntary corporate target setting methods for land	Marco Daldos Pirri, SBTN
16	16:05	Biodiversity footprint of global food consumption between 1992-2020	Hanzhong Zheng, RU
	16:25	Discussion	
F	Synthesis and	Conclusion	
18	16:45	Synthesis and conclusions of the day	Stephan Pfister
	17:00	End of 87 th LCA Forum	











Practical information

Registration open until 30 August 2024

Please use the following link:

https://ethzurich.eventsair.com/lca2024/registration/Site/Register

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:

Icaforum@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.

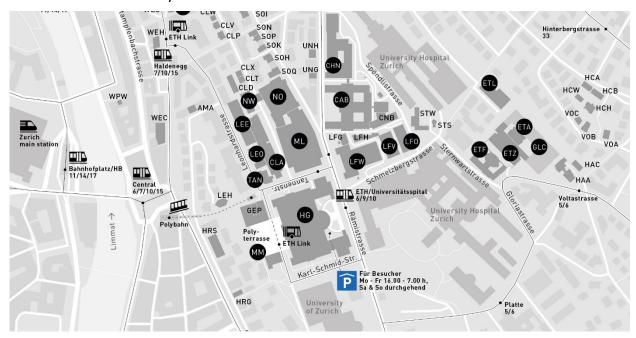
For all questions regarding the registration process, please do not hesitate to contact: <u>lcaforum@ethz.ch</u>

Lunch

A vegetarian and vegan lunch will be served close to the location.

Location

The DF will take place in the Alumni Pavillon (GEP), 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 contact Barbara Dold: lcaforum@ethz.ch







