



## 87<sup>th</sup> 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<sup>th</sup> 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)

	Time		Speaker [Chair]
	08:15	Registration	
01	08:45	Welcome, Setting the scene, relevance/state, GLAM update	Francesca Verones, NTNU
02	09:00	Keynote: <a href="#">Footprints and finances: climate and biodiversity analytics in the private sector</a>	Michal Kulak
<b>A</b>	<b>Advances in life cycle impact assessment modelling</b>		<b>Mod: Stephan</b>
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	
<b>B</b>	<b>Advances in inventory and input-output modelling</b>		<b>Mod: Laura</b>
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	
<b>C</b>	<b>Short presentations</b>		<b>Mod: Francesca</b>
09 - 11	13:20	Up to 3 short presentations, 10' each	
<b>D</b>	<b>How to improve pathways for improving biodiversity protection in future</b>		<b>Mod: Martin</b>
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	
<b>E</b>	<b>Cases and business applications</b>		<b>Mod: Francesca</b>
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	
<b>F</b>	<b>Synthesis and Conclusion</b>		
18	16:45	Synthesis and conclusions of the day	Stephan Pfister
	17:00	<b>End of 87<sup>th</sup> LCA Forum</b>	

