

## 94<sup>th</sup> LCA Discussion Forum

### Turning Waste into Value: Life Cycle Assessment of Side Stream Valorisation and Food Waste Reduction

Friday, 6. November 2026

Location of this DF LCA: **Wädenswil, Campus Grüental, Aula in GA 203**

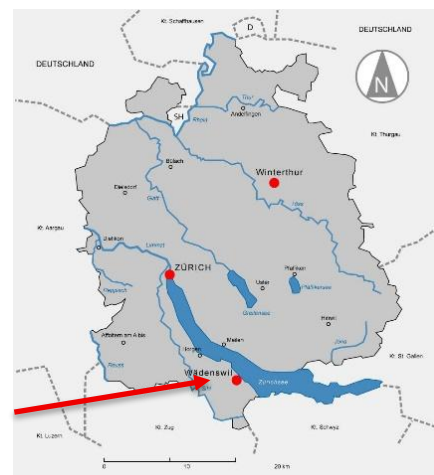
The official language of this event is English

Approximately 25% of the environmental impact of the global food system is attributed to so called 'avoidable' food losses and waste. Valorising industrial side streams and reducing food waste present major opportunities to mitigate these impacts. With the action plan against food waste, the Swiss Federal Council aims to halve avoidable food losses by 2030. Life Cycle Assessment (LCA) plays a critical role in evaluating the environmental performance of different strategies for side stream valorisation.

This LCA Discussion Forum will delve into the environmental impact assessment of food waste reduction and side stream valorisation, addressing key aspects such as data quality, methodological choices (e.g., allocation methods), impact assessment approaches, and interpretation within the context of food systems. An expansion integrates social, economic and health aspects by including to get to the overarching Life Cycle Sustainability Assessment (LCSA) framework, showcasing how environmental, social, and economic impacts can be assessed together for side stream valorisation.

We look forward to welcoming you at the Campus Grüental in Wädenswil.

*Dimitri Chryssolouris, Matthias Stucki, and Claudio Beretta*  
*Zurich University of Applied Sciences (ZHAW)*



This event takes place in Wädenswil

## Programme (as of 21 September 2026)

|                                                                                                                               |                                                   |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| <b>Registration and Welcome</b>                                                                                               | <b>Dimitri Chryssolouris, ZHAW</b>                |
| <b>Session 1: Why Food Waste &amp; Side Streams Matter</b>                                                                    | <b>[Matthias Stucki]</b>                          |
| Implementation of the Action Plan Against Food Waste and Side Stream Valorisation: Environmental Relevance and Policy Context | Florence Favre, BAFU                              |
| Food Waste Prevention and Side Streams in the European Union                                                                  | JRC, Ispra (tbc)                                  |
| Nutritional Losses in Food Waste and Environmental Impacts of Overconsumption                                                 | Mara Petruzzelli, Agroscope                       |
| Discussion                                                                                                                    | all                                               |
| <b>Interactive Coffee Break</b>                                                                                               |                                                   |
| <b>Interactive Break Recap</b>                                                                                                |                                                   |
| <b>Session 2: Methodological Approaches to Assess Side Stream Valorisation</b>                                                | <b>[Dimitri Chryssolouris]</b>                    |
| Methodological and Data Challenges in the Assessment of By-Product Valorisation – and Approaches to Address Them              | Vanessa Zeller; Justus-Liebig-Universität Giessen |
| Insights and Learnings from Comparative LCAs on Side Streams in Switzerland                                                   | Stefanie Maeder, Intep Integrale Planung GmbH     |
| Monitoring of Side Streams and Their Nutritional Value                                                                        | Claudio Beretta, ZHAW                             |
| Discussion                                                                                                                    | all                                               |
| <b>Interactive Lunch Break</b>                                                                                                |                                                   |
| <b>Interactive Break Recap</b>                                                                                                |                                                   |
| <b>Session 3: Short Presentations</b>                                                                                         | <b>[Matthias Stucki]</b>                          |
| SHORT PRESENTATIONS                                                                                                           | tbd                                               |
| <b>Interactive Coffee Break</b>                                                                                               |                                                   |
| <b>Interactive Break Recap</b>                                                                                                |                                                   |
| <b>Session 4: Case Studies</b>                                                                                                | <b>[Claudio Beretta]</b>                          |
| From By-Product to Food Innovation: Upcycling Side Streams into Novel Foods                                                   | Corinna Bolliger, ZHAW                            |
| Comparative Screening Life Cycle Assessments of Okara Valorisation Scenarios                                                  | Karina Rohrer, FHNW                               |
| Upcycling of Brewer's Spent Grain: Life Cycle Sustainability Assessment of the CHEERS Biorefinery                             | Dimitri Chryssolouris, ZHAW                       |
| Closing Reflections                                                                                                           | Claudio Beretta, ZHAW                             |
| <b>End of LCA Forum</b>                                                                                                       |                                                   |

## Practical information

### Registration

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

<https://ethzurich.eventsair.com/lca2026/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 cannot pay by credit card, please send an e-mail to [lcaforum@ethz.ch](mailto: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 participation category.

Please follow this link for the [programme and updates](#).

For all further questions regarding the registration process, please do not hesitate to contact: [lcaforum@ethz.ch](mailto:lcaforum@ethz.ch)

### Lunch

We will have lunch at the ZHAW restaurant in the building GD. Please indicate to the cashiers that you are attending the LCA Discussion Forum, so that they can add your order to the event tab. The registration fee only covers the menu of the day or buffet. Drinks other than tap water as well as any other items in the ZHAW restaurant are at your own expense. A vegetarian meal is always on offer.

### Location: Wädenswil (not ETH Zürich!)

Pay attention that this DF will not take place at ETH in Zürich, but in the **main auditorium GA203** in the building GA of the **Campus Grüental, Zürich University of Applied Sciences (ZHAW), 8820 Wädenswil**.

### How to get to the DF location in Wädenswil

From Wädenswil train station, you can walk uphill (20 min.) or take a bus. The bus stop is called "Wädenswil, Campus Grüental". Please find your most convenient connection here:

[www.sbb.ch](http://www.sbb.ch). If you use a car, please follow the signs to the official parking spaces or study the map provided below.

The auditorium, in German "Aula", is close to the main entry of the ZHAW Campus Grüental (GA), see <https://tinyurl.com/ZHAWGA>.

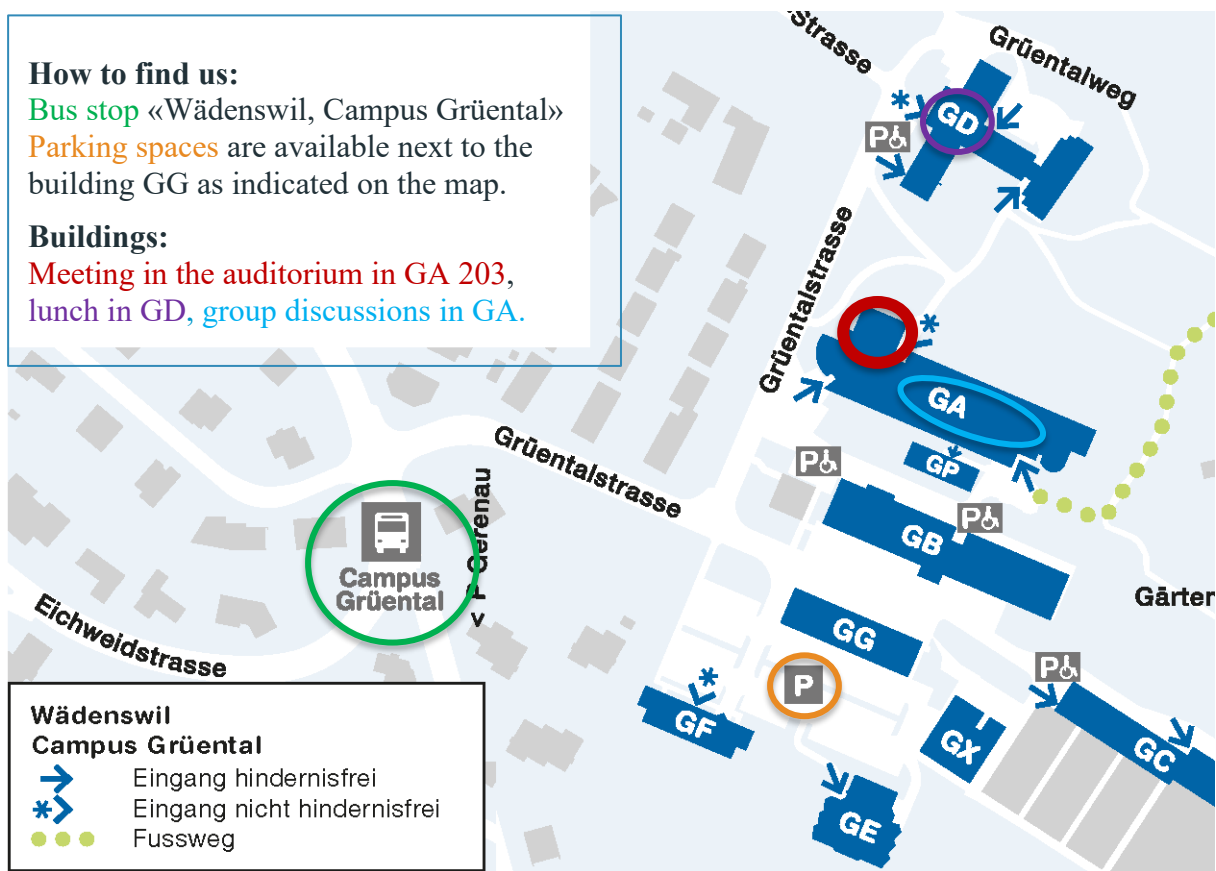
### How to find us:

**Bus stop** «Wädenswil, Campus Grüental»

**Parking spaces** are available next to the building GG as indicated on the map.

### Buildings:

Meeting in the auditorium in GA 203,  
lunch in GD, group discussions in GA.



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