

39th Discussion Forum

Regionalization in LCA

November 13, 2009, 9:30, ETH Zurich, Semper Aula

We are pleased to invite you to the **39th discussion forum on Life Cycle Assessment on November 13th, 2009**

Regionalization allows for explicit spatial modeling in both life cycle inventories and life cycle impact assessment. However, there are numerous challenges in determining the correct spatial scale for a particular environmental problem, gathering the geographically encoded data, and integrating this assessment into standard LCA practice. This discussion forum will showcase recent and ongoing research on all levels of regionalization, including case studies. The following themes will be addressed:

- The need for regionalization
- Errors that will be reduced by the inclusion of regionalization
- Datasets available for regionalization in LCI and LCIA
- Methods and procedures for regionalized LCIA
- Standards necessary for regionalized data
- Level of geographic detail needed.

This discussion forum is intended to spur discussion between businesses and practitioners who need regionalization, and academics working on regionalized LCA.

We are looking forward to seeing you in Zurich,

Chris Mutel and Stephan Pfister

Program:

Time	Topic	Speaker
9.00	Registration	
9.30	Welcome & Introduction	Chris Mutel & Stephan Pfister
The Need for Regionalization		
9.50	The Challenge of Using Regionalized LCA at Nestlé	Urs Schenker, Nestle
10.10	Requirements on regionalization solutions from the professional software provider perspective – a contribution to the discussion from the GaBi group	Martin Baitz, PE International
10.30	Regionalization in LCA: what can be learned from MFA and I/O Analysis	Susanne Kytzia, HSR Rapperswil

Time	Topic	Speaker
10.50	Coffee Break	
Regionalized Life Cycle Inventories		
11.10	Development of a regionalized agricultural production inventory	Thomas Nemecek, ART
11.30	Development of an Italian LCA database of building materials: Regionalising existing LCI data for the Italian situation	Leo Breedveld, 2B, Italy
11.50	Regionalization of Chinese life cycle inventories	Alex Amato, Davis Langdon
12.10	GIS-based regionalization, and implementation in new LCA data formats	Chris Mutel, ETHZ
12:30	Lunch	
Regionalized Life Cycle Impact Assessment		
14.00	Impacts of water consumption: uncertainties and the question of scale	Stephan Pfister, ETHZ
14.20	Regionalization in Social LCA	Bo Weidema, 2.0 LCA consultants
14.40	Making regionalization a reality in life cycle assessment of human health impacts	Sebastien Humbert, Ecoincesys
15.00	Spatial variability and optimal regional scale for the assessment of intake fractions	Rima Manneh, CIRAIG
15:20	Regionalization and parameterization of LCA and LCIA of energy systems.	Thomas Heck, PSI
15.40	Summary of talks, including insights and emerging questions from regionalization session at SETAC Göteborg and LCA IX in Boston	Stephan Pfister, Chris Mutel, Sebastien Humbert
Coffee and small group discussions		
16:00	Coffee and informal group formation	
16:05	Small group discussions on specific themes	
16.50	Insights presented by the small groups	
17:10	Wrap up & Farewell	Chris Mutel & Stephan Pfister