



44th LCA Discussion Forum

APPLYING LIFE CYCLE ASSESSMENT ON THE FOOD AND BEVERAGE SUPPLY CHAIN

June 21st, 2011, 9h00, Lausanne, Hôtel Alpha Palmiers

We kindly invite you to a **special discussion forum on Life Cycle Assessment**, sponsored by the Nestlé Research Center in Lausanne.
The official event language is English.

The food and beverage (F&B) industry is one of the most important economic sectors using Life Cycle Assessment. Over the last twenty years, some companies have been developing LCA internally and using this methodology to reduce the environmental impact of their products. The food consumption contributes substantially to the environmental footprint of our society, which underlines the responsibility of the F&B industry. In the current international context of increasing pressure from consumers, environmental labelling, environmental information and future legislation on environmental product declarations, LCA will be increasingly integrated into the strategies and decision making processes of companies (Life Cycle Management).

LCA of food and beverages has some specific challenges unknown or not so relevant in other economic sectors, which requires a special attention from the scientific community. Some of them are the great variability of the primary production processes, data availability for a huge number of very diverse products, the importance of indicators on water use and ecosystem quality, numerous co-products at the agricultural production stage, and a strong dependence on the user choices and behaviours.

This 44th Discussion Forum will give insight how the different actors of the food chain apply LCA within their organisations in order to satisfy the expectations of society regarding their environmental responsibility. We want to enhance the understanding of these challenges as well as the collaboration between all the stakeholders along the food chain, from the agriculture production up to the consumer.

This discussion forum will address the following questions:

- How is LCA used by different actors in the food and beverage supply chain?
- What are the current main issues and obstacles?
- What are the best practices and innovative ways of using LCA in this sector?
- What is the current status of standardisation initiatives?
- What are the important trends for the future of LCA in this sector?

We look forward to meeting you in Lausanne!

Gérard Gaillard and Yves Loerincik

Program

44th LCA Discussion Forum as of June 21, 2011

Time	Title	Speaker
8:30	Registration, Coffee and Croissants	
9:10	Welcome: Introducing the topic	Gérard Gaillard, ART and Sébastien Humbert, Quantis
	Food processing	
9:30	LCI data for energy consumption in food processing	Neus Sanjuán, University of Valencia
10:05	LCA in the development of new food products: Nestlé eco-design tool	Urs Schenker, Nestlé
10:30	Secondary databases on agri-food products: Finding the optimum level of detail	Ricardo Texeira, Blue Horse Associates
10:45	<i>Coffee break</i>	
11:15	Environmental footprint: LCA approach in Danone's Ambition	Jean Christophe Bligny, Danone
	Primary production	
11:50	Environmental impacts of Swiss milk production – an analysis from the project LCA-FADN	Martina Alig, ART
12:15	Environmental Impacts of water consumption in global crop production	Stefanie Hellweg, ETH
12:45	Discussion	All referees
13:20	<i>Standing lunch</i>	
	Short presentations	
14:25	Effects of applying direct land use change in GHG-balance – the case of cocoa agriculture	Maurice Marquardt, Öko-Institut e.V.
	Trade and Consumption	
14:35	Comparative life cycle assessment of a cup of espresso made using a packaging and distribution system from Nespresso Espresso and three generic products	Sébastien Humbert, Quantis
15:00	Environmentally friendly food consumption: What does this mean for consumers?	Niels Jungbluth, ESU-services
15:25	<i>Coffee break</i>	
15:55	Sociodemographic aspects in a LCA of the food consumption in Germany – with a focus on animal-based foods	Toni Meier, University of Halle
16:20	Discussion	All referees
17:00	Feedback, wrap-up and farewell	Sébastien Humbert, Quantis