



4th International Conference:  
**Life Cycle Assessment in the Agri-food sector**  
October 6-8, 2003, Horsens, Denmark

Programme with confirmed papers, more papers planned  
See separate list of confirmed posters

23-09-2003

## Programme

### *Monday 6 October*

13.00 Opening session:

- Welcome + practicalities
- Product orientation in the Danish Food Sector: *Mr. Erik Schulz*, Th. Schulz Catering A/S, Chair of Advisory Research Committee of the Ministry of Food, Agriculture and Fisheries
- Life Cycle Thinking For Food Industry Sectors - A Global Perspective: *Anne Solgaard, UNEP*

14.15 Break

14.30 Theme 1: Applications of LCA

Session 1: Use of LCA in the food industry: 4 papers x 15 min.

Examples of the use of LCA for bread, coffee, milk etc.

Life cycle assessment of bread production - a comparison of eight different scenarios -: *Reinhardt, G. A.*

Comparison of industrial bread production with home baking: *Lone Rosing*

Environmental Management Practices in a Coffee Company using LCA Methodology: *Roberta Salomone*

Slaughterhouse waste to feed or to fuel – a comparison of systems in term of energy balances, land use and emissions: *Hans B. Wittgren*

16.00 Break, coffee

16.15 Session 1: Moderator (*P. Schonfield*, Unilever) + discussion

17.00 Break

17.15 Poster session 1: LCA applications (primary production + industry)

The practical use of LCA in agro-food chains: Wide geographical coverage of different products and production systems

PC demonstration of new databases and LCA results

18.30 Dinner



4th International Conference:  
**Life Cycle Assessment in the Agri-food sector**  
October 6-8, 2003, Horsens, Denmark

Programme with confirmed papers, more papers planned  
See separate list of confirmed posters

23-09-2003

***Tuesday 7 October***

8.30 Session 2: Primary agricultural production: 3 papers x 15 min.

Livestock systems in Europe from North to South described in LCA-terms

Environmental assessment of contrasting pig farming systems: *Claudine Basset-Mens*

LCA of Animal Products from Different Housing Systems: Relevance of Feedstuffs, Infrastructure and Energy Use: *Stefan Erzinger*

Life Cycle Inventory of the Galician dairy sector: *Almudena Hospido*

9.30 Break

9.45 Session 2: Moderator (*J. Hermansen, DIAS*) + discussion

10.30 Break

10.45 Session 3: Fish culture: 3 x 15 min.

State-of-the-art LCA on aquaculture and fishing methods

Environmental Life Cycle Assessment of Thai Shrimp Products: *Rattanawan Mungkung*

The development of Life Cycle Assessment for the evaluation of rainbow trout farming in France: *Elias Papatryphon*

Environmental impacts from Danish Fish Products: *Mikkel Thrane*

11.30 Session 3: Moderator (*Th. Geerken, VITO, Be*) + discussion

12.00 Lunch



4th International Conference:  
**Life Cycle Assessment in the Agri-food sector**  
October 6-8, 2003, Horsens, Denmark

Programme with confirmed papers, more papers planned  
See separate list of confirmed posters

23-09-2003

13.00 Theme 2: Methodology

Session 4: Inventory: 4 x 15 min.

Operation specific engine load pattern and exhaust gas emission data from vehicles used in typical agricultural operations: *Per-Anders Hansson*

The ecoinvent database: use for the agri-food sector: *Thomas Nemecek*

An LC inventory based on representative and coherent farm types: *Randi Dalgaard*

First things first - how we identified the affected processes in LCAfood, and why it is important: *Anne Merete Nielsen*

Session 4: Moderator (*S. Cowell*, University of Surrey) + discussion

14.30 Break, coffee

15.00 Poster session 2: LCA methodology (inventory, land use, indicators)

New development in databases and LCA based indicators of land use and food consumption

PC presentation of LC inventories and scripts

16.00 Break

16.15 Session 5: Indicators of sustainable food use: 3 papers x 20 min.

Life Cycle-Based Sustainability Indicators for Assessment of the U.S. Food System, *Keoleian, G.A.*

Sustainability in the Agrofood Sector: *Marieke Meeusen*

17.00 Session 5: Moderator (*M. Løber*, Landbrugsrådet, DK) + discussion

17.45 Wrap up + practicalities: 10 min.

19.00 Conference dinner



4th International Conference:  
**Life Cycle Assessment in the Agri-food sector**  
October 6-8, 2003, Horsens, Denmark

Programme with confirmed papers, more papers planned  
See separate list of confirmed posters

23-09-2003

***Wednesday 8 October***

9.00 Session 6: Land use in LCA: 3 x 15 min.

Land occupation and transformation in life cycle inventories: *Niels Jungbluth*

A new land use impact assessment method for LCA: theoretical fundamentals and field validation: *Bart Muys*

Land transformation as a consequence of increased soya production in Argentina: *Walter Pengue*

10.00 Break

10.15 Session 6: Moderator (*B. Weidema*, 2.-0 LCA Consultants) + discussion

11.00 Closing session: Where do we go from now? 3 x 20 min.

The link between LCA and animal welfare and quality assurance schemes (prelim. title)

The development from 1<sup>st</sup> to 4<sup>th</sup> LCA-Food conference: Methodological gains, improvements in inventory: *Berit Mattson, SIK, Sweden*

Possible benefits from using LCA & LCM in the agro-food chain, example from a dairy company: *Inger Larsson, Koncernmiljö, Arla Foods*

Goodbye, practicalities

12.30 Lunch