



3rd NorLCA Symposium
15-16 September 2011
Finnish Environment Institute
Helsinki, Finland

Programme

Toward Sustainability - The Life Cycle Approach as a Tool for Strategic Decision Making

Invitation

The NorLCA and Finnish Environment Institute (SYKE) invites you to attend the 3rd NorLCA Symposium organized in Helsinki on 15-16 September 2011.

Website

All relevant and up-to-date information about the conference can be found at <http://www.norlca.org>.

Focus

The symposium focuses on the use of the life cycle approach for strategic decision making with the aim to transform production and consumption for sustainability. This involves all aspects of life cycle based approaches, e.g. LCA (process and IO based), ecodesign, design for environment, environmental product declarations, and other approaches. The scope also includes methods and practices for combining LCA results with economic and social considerations.

Registration and Fees

The deadline for the registration with early registration fee is 10 August, 2011. All participants must fill in the [online registration form](#). If you have problems with the registration, please contact the organizing committee secretariat e-mail: NorLCA@ymparisto.fi

Registration fees	Before 10 August, 2011	After 11 August, 2011
Student	180 €	200 €
Participant	300 €	350 €

The registration fee includes the symposium material, refreshments during the symposium, lunch (Friday) and the symposium dinner. Accommodation or travel expenses are not included in the fee. When registering, please inform about special diets and possible food allergies. Instructions on the payment of the registration fee will be sent to your e-mail address after the registration. In order to claim the student discount, applicants must present proof of full time enrolment at a degree granting university or college for the academic year 2010-2011. A photocopy of your current student card or a letter from your departmental administration must be sent to NorLCA@ymparisto.fi

Cancellation Policy

Until 10 August, 2011:
Full refund minus 50 € cancellation fee
Between 11 August and 9 September, 2011:
Refund of 50 % of fees paid
After 9 September, 2011: No refund

Symposium Venue

The Symposium will be held in Helsinki at the Finnish Environment Institute (SYKE) (Mechelininkatu 34a, Helsinki). SYKE is located near city centre with good [public transport connections](#).

Accommodation

The participants are requested to make their own reservations directly. See a [list of hotels](#) near SYKE.

Welcome!

The NorLCA Board

Programme*

*The organizers reserve the right to changes in the programme

Thursday 15, September 2011

10:30-12:00 Registration and coffee

12:00-12:30 Opening

- Lea Kauppi, Director General, SYKE
- Michael Hauschild, Chair, NorLCA

12:30-14:00 LCA as a tool for strategic decision making in companies

Keynote lectures

- Toni Hemminki, Director, Ruukki (FI): Life Cycle Management in Ruukki (30 min)
- Kimi Arima, Advisor, Business Development, Wärtsilä Power Plants (FI): Towards system level studies – case Wärtsilä (30 min)

Presentation

- Riina Antikainen, Finnish Environment Institute (FI): Framework on life cycle methods for companies – taking the needs of different company types into account (15 min)

Questions and discussion 15 min

14:00-14:30 Ecodesign practices and tools

Presentations

- Marily Pradel, Cemagref (FR): Environmental assessment of sludge spreading practices and equipments: A simplified LCA tool (acv3E) designed for stakeholders (15 min)
- Pasi Kujala, Aalto University (FI): Tool for product designers – the life cycle approach (15 min)

14:30-16:00 NorLCA Market Place & Posters

(Coffee will be served during the Market Place and Poster session)

- Introduction Michael Hauschild, Chair, NorLCA

16:00-17:00 Experiences with Carbon Footprint in LCA

Presentations

- Jonne Hellgren, Natural Interest Oy (FI): Monika – New Product Design for Logistics Operations (15 min)
- Hanne Lerche Raadal, Ostfold Research (NO): LCA and Carbon Footprint when purchasing “green” power (15 min)
- Anna Flysjö, Arla Foods and Aarhus University (SE): Carbon Footprint of dairy products (15 min)

Questions and discussion 15 min

Break

19:00 Symposium dinner at Ravintola Sipuli



SYKE

www.environment.fi/syke



Photos: Pirjo Ferin, Raili Malinen, Pentti Hokkanen, Tapio Heikkilä

Friday 16, September 2011

09:00-10:00 Future challenges in LCA research

Keynote lecture

- Magnus Enell, Environmental Manager, Vattenfall (SE): Use of LCT in Vattenfall (title to be confirmed) (30 min)

Presentation

- Anders Bjørn, The Technical University of Denmark (DK): Cradle to Cradle and environmental sustainability – A critical assessment from a life cycle perspective (15 min)

Questions and discussion 15 min

10:00-10:45 Coffee and posters

10:45-12:30 Sustainable food and agriculture

(Place: Auditorio)

Presentations

- Hanna Hartikainen, MTT Agrifood Research Finland (FI): Communication of climate change impacts in the Finnish food sector (15 min)
- Elin Rööös, Swedish University of Agricultural Sciences (SE): Using the Carbon Footprint to Choose between Pasta and Potatoes (15 min)
- Kirsi Silvennoinen, MTT Agrifood Research Finland (FI): Footprints of Food Plates and Diet – Can You Make an Ecochange? (15 min)
- Christian Solli, MiSA AS – Environmental Systems Analysis (NO): A model for calculation of total environmental impacts from agriculture in Norway – Linking consumption and production through input-output models (15 min)
- Johanna Spångberg, Swedish University of Agricultural Sciences (SE): Life cycle assessment in the use of meat meal as fertilizer (15 min)
- Teunis Dijkman, Technical University of Denmark (DK): Site specific pesticide emission patterns: Influence of site specific emissions patterns on pesticide impact potential (15 min)

Questions and discussion 15 min

10:45-11:55 Information and communication technology

(Place: Muuttohaukka)

Presentations

- Elisabeth Hochschorner, KTH Royal Institute of Technology (SE): LCA of movie distribution, using Internet a screening study (15 min)
- Jens Malmödin, Ericsson Research (SE): Life cycle assessment of ICT networks and primary subscription services in Sweden (15 min)
- Noora Paronen, Nokia (FI): Challenges in evaluating the life cycle environmental impact of electronic devices (15 min)
- Kimmo Pentikainen, Elisa Oyj (FI) : Carbon dioxide savings calculation for products and services in Elisa Oyj (15 min)

Questions and discussion 10 min

11:55-12:30 Industrial case studies for improving green economy

(Place: Muuttohaukka)

Presentations

- Kossara Bozhilova-Kisheva, Technical University of Denmark, (DK): Are Recycled Building Materials Greener than the Traditional Ones? (15 min)
- Gyða Ingólfssdóttir, EFLA Consulting Engineers (IS): Life Cycle Assessment of Landsvirkjun Hydroelectric Generation in Fljótisdalur Hydropower Station, Iceland (15 min)

Questions and discussion 5 min

12:30-13:30 Lunch

13:30-14:30 Ecodesign practices and tools

(Place: Auditorio)

- Christian Solli, MiSA AS – Environmental Systems Analysis (NO): Informing and influencing urban planning processes through LCA of the total household consumption basket (15 min)
- Sini Veuro, VTT (FI): Sustainability and life cycle assessment guiding the development of new flexible packaging (15 min)
- Cecilia Askham, Ostfold Research (NO): Innovative Life Cycle EcoDesign (15 min)

Questions and discussion 15 min

14:30-15:00 Keynote lecture

- Claus Stig Pedersen, PhD, Head of Sustainability Development, Novozymes A/S (DK): Industrial requirements to sustainability assessment (30 min)

15:00-15:30 Closure of the Symposium

- Michael Hauschild and Jyri Seppälä, NorLCA