

DF-46: End-of-life and waste management in life cycle assessment

Date and place: December 6, 2011, ETH Zurich, Main Building, GEP pavilion.

Target audience: LCA practitioners and related decision makers working in industry, consultancies and administration as well as LCA scientists.

Content and length of presentations: Related to the topics of the 46th LCA Discussion Forum; 20 min presentation, 5 min questions and clarifications (in English). Short presentations are limited to 5 min per presentation.

Further information: www.lcaforum.ch
or directly from the organizing committee:
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Description

Efficient waste management is a key component in society's strategy to mitigate the adverse effects of its economic activities. With novel emerging products and materials, established waste management systems are continuously posed with new challenges to protect humans and the environment. Through its comprehensive system approach, LCA is frequently put forward as a suitable tool for the assessment of waste management activities. This DF will present some of the latest methodological developments in LCA, as well as novel practical applications, related to end-of-life and waste management. A focus will be placed on identification of existing and arising 'weak spots' in LCA, and strategies to strengthen the position of LCA as decision support tool in waste management and waste-related policy making.

Programme

46th LCA Discussion Forum, December 6, 2011, ETH Zurich

End-of-life and waste management in life cycle assessment

Time	Title	Speaker	Affiliation
8:30	Registration, coffee and gipfeli		
9:15	Welcome and agenda	Dominik Saner (DS)	ESD/ETH Zurich (CH)
Block 1 - Policy/General			
9:25	Sustainable End-of-Life treatment: Fiction or vision?	Wolfram Scharnhorst	Sustainable Water Management, Zurich (CH)
9:50	Between disagreement and consensus in waste-LCA: Illustration with a comparative LCA of different grape marc recovery options	Laurence Hamon	Quantis International, Paris (FR)
10:15	Nestlé's approach to end-of-life of packaging materials	Nina Cleeve-Edwards	Nestlé Research Centre, Lausanne (CH)
10:35	Life cycle assessment of end-of-life options for two biodegradable packaging materials: in support of flexible application of the European waste hierarchy	Vincent Rossi	Quantis, Lausanne (CH)
10:45	<i>Coffee break</i>		
Block 2 - Recent development in research			
11:00	Waste management in ecoinvent v.3	Gabor Doka	Doka LCA, Zürich (CH)
11:25	Identification and assessment of future waste management options – The case of packaging glass in Switzerland	Gregoire Meylan	NSSI/ETH Zurich (CH)
11:50	Life cycle assessment of waste incineration in Switzerland	Michael Bösch	ESD/ETH Zurich (CH)
12:00	Operational research and LCA combined for regional waste and resource management	Carl Vadenbo (CV)	ESD/ETH Zurich (CH)
12:15	Engineered nanooxides in municipal waste incineration: an appropriate end-of-life treatment option?	Tobias Walser (TW)	ESD/ETH Zurich (CH)
12:40	<i>Lunch break</i>		
Block 3 - E-waste and scarce metal recovery			
13:45	EU control of chemicals applied to e-mobility	Carsten Dietsche	External member of Environmental Research Centre (UZU), Halle (DE)
14:10	LCA of the Swiss e-waste recycling system	Patrick Wäger & Roland Hischer	Empa / Technology & Society Lab, St. Gallen (CH)
14:35	LCA experience on rechargeable batteries	Jan Tytgat	Umicore, Hoboken (BE)
15:00	<i>Coffee break</i>		
Block 4 - Short presentations and workshop			
15:15	LCA4Waste - Improving the transparency in waste management	Amélie Orthlieb	Holcim Group Support, Holderbank (CH)
	Food Waste and the Myth of Packaging Impact	Anne Himeno	Bluehorse Associates, Neuilly-sur-Seine (FR)
	Evaluation of Best Available Technologies in waste handling using LCA considerations	Annina Gaschen	Neosys AG, Gerlafingen (CH)
15:35	Introduction to workshop	DS, CV, TW	ESD/ETH Zurich (CH)
15:45	Workshop		
16:20	Wrap up and farewell	DS, CV, TW	ESD/ETH Zurich (CH)
16:30	<i>Finish</i>		