

60th LCA Discussion Forum

ENVIRONMENTAL USE OF WOOD RESOURCES

December 4, 2015, ETH Zürich, Alumni Pavillon

We cordially invite you to the **60th Discussion Forum on Life Cycle Assessment**
The official language of this event is English

Wood is a renewable resource that can be used for a large number of applications ranging from material to chemical to energy applications. In the past, wood resources have been underused in Switzerland, but this is changing rapidly with the demand for more environmentally sustainable products and energy. It is therefore crucial to use the available wood resources in an ecologically optimal way.

With this last forum in 2015, we intend to provide to the participants a new perspective on the issue of the ecological use of wood resources and its relevance from various viewpoints of e.g. scientists, of policy makers as well as of practitioners. The forum starts in its first part with a description of the most recent developments in the area of life cycle inventory modelling, followed by an overview of the latest advances in carbon accounting as well as impact assessment. After this update on methodological issues, a broad part of the day will be dealing with various aspects of the application of wood – from the use as construction material to an energetic use – and the related environmental consequences. In the afternoon we will take a systemic perspective looking on an optimisation of the wood management. For closure, a panel discussion will look at the open issues that research has to deal with in order to further enhance an environmentally optimal use of wood resources.

We look forward to meeting you in Zürich
on behalf of the Organizing Committee

Bernhard Steubing – ETH Zürich

Roland Hischer – EMPA St. Gallen

Florian Suter - ETH Zürich

Niko Heeren – ETH Zürich

Final Programme

Time	Title	Speaker [Chair]
8:30	Registration, coffee and croissants	
9:00	Welcome and introduction	Bernhard Steubing, ETH Zurich
New LCI data for the Swiss/European wood chain		<i>[Roland Hischier]</i>
9:10	Life cycle inventories of wood inecoinvent version 3.2	Frank Werner, Environment & Development
Advances in carbon accounting and impact assessment		<i>[Roland Hischier]</i>
9:30	State of the art of climate impact assessment of forest products in LCA	Frida Røyne, SP Sweden
9:50	Biogenic carbon emissions and climate impact dynamics	Francesco Cherubini, NTNU Norway
10:10	The global impact of wood consumption on biodiversity	Abhishek Chaudhary, ETH Zürich
10:30	Discussion	
10:45	Break	
LCA of wood applications (construction, energy)		<i>[Florian Suter]</i>
11:15	The role of wood for the Swiss building stock	Niko Heeren, ETH Zürich
11:35	Carbon footprint of wood as construction products – Norwegian practice and research	Lars Tellnes, Norwegian Institute of Wood Technology
11:45	Towards a strategy for wood-energy in State Vaud through environmental assessments of various technologies of wood transformation	Denis Bochatay, Quantis
12:05	Environmental impacts of shifting energy wood utilizations in the Bavarian heating mix	Christian Wolf, TU Munich
12:20	Discussion	
12:40	Lunch break	
LCA of innovative wood products and wood energy systems (short presentations)		<i>[Niko Heeren]</i>
13:40	LCA of an innovative glue and metal free wall element	Philippe Stolz, treeze
13:50	LCA of ultra-light particle boards	Christelle Ganne-Chédeville, Bern University of Applied Sciences
14:00	Wood Modification and Life Cycle Assessment	Andreja Kutnar, University of Primorska
14:10	LCA – The key for the production of green chemicals and energy in biorefinery concepts from wood	Merten Morales, ETH Zurich
14:20	The climate change mitigation potential of forest biomass production and its utilization in Finland	Antti Kilpeläinen, University of Eastern Finland
14:30	Discussion	
14:45	Break	
Environmentally optimal wood management (systemic perspective)		<i>[Bernhard Steubing]</i>
15:15	An environmental perspective on the management of wood in Switzerland (NFP 66 project results)	Florian Suter, ETH Zurich
15:35	Life cycle impact of the European forestry-wood chain (FORMIT project results)	Giuseppe Cardellini, KU Leuven
15:55	Climate benefits of material substitution by forest biomass and harvested wood products (Climwood 2030 project results)	Frank Werner, Environment & Development
How can future research contribute to an environmentally optimal use of wood resources?		<i>Moderator: Bernhard Steubing</i>
16:15	<i>Panel discussion with experts from science, policy and industry:</i> Paolo Camin (Federal Office of the Environment BAFU) — Prof. Dr. Stefanie Hellweg (ETH Zurich) — Prof. Dr. Klaus Richter (TU Munich) — Dr. Martin Riediker (President Swiss NRP 66 “Resource Wood”) — Hansueli Schmid (Lignum) — Dr. Frank Werner (Umwelt & Entwicklung). <i>Content: scientific, industrial and policy needs; questions collected during the day from audience.</i>	
17:00	Announcements	Roland Hischier, EMPA St. Gallen
17:10	Farewell	

Practical information

Application form

To register for the 60th DF, please use the following link:

<http://www.registration.ethz.ch/eventolight/>

At the first instance you visit this Website you will be asked to create an account. Afterwards, please login with the information that is sent to you by email. Please click on “published events”, then select “Discussion forum on life cycle assessment 2015” and then click “Anmelden”. Afterwards, please follow the instructions. Programme updates will be available at www.lcaforum.ch.

Lunch

Vouchers for lunch at the ETH restaurant will be provided to all participants. A vegetarian meal option is always on offer.

Location

The DF will take place in the Alumni (GEP) Pavillon, Swiss Federal Institute of Technology Zurich, 8001 Zurich.

<https://maps.google.ch/maps/ms?msa=0&msid=205813047619347088253.0004e0af154b1fc2c1968&ie=UTF8&ll=47.376616,8.546441&spn=0.00287,0.006968&t=m&z=18&vpsrc=6&iwloc=0004e0af154df9d0190e4>



For further information:

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