



International Symposium
Life Cycle Assessment and Construction
Civil engineering and buildings

Lca & construction 2012

INVITATION AND CALL FOR PAPERS



IFSTTAR



le futur en construction

Nantes (France)

July 10-12, 2012

Numerous research activities about LCA applied to buildings and more recently to civil engineering, have risen over the past decades. Environmental stakes are particularly important in construction because any initial decision always has long term consequences. In addition, the construction sector both generates and recycles huge amounts of waste, it is generally considered as an important contributor to climate change and induces irreversible changes in local environments. To face these stakes, industries invest into so-called “green innovations”, and national or local public authorities are demanding scientifically based decision support such as LCA.

At present, this LCA research appears to be fragmented between LCA practitioners in various construction fields, and LCA methodologists. However, LCA practitioners in the construction sector share identical methodological questions. For example, drastic variations that inevitably occur between the early and operational stages of construction projects, have led many research institutions to develop their own dedicated LCA software tools. These tools are however seldom comparable because they generally use different databases and assumptions. Only close cooperation between LCA methodologists and construction scientists, can lead to relevant methodological developments and harmonized assessments.

The symposium aims at grouping disparate research communities to create a forum for the exchange of recent developments and research results amongst researchers. It also aims at providing an insight into societal demands in the civil engineering and buildings sectors. The symposium will thus be organized over three days. The two first days will be devoted to scientific presentations; the last day will deal with public policies and standardization in the field, on the base of invited presentations.

In that context, IFSTTAR (resulting from the merger of LCPC and INRETS) and CSTB, in partnership with the International Union of Laboratories and Experts in Construction Materials, Systems and Structures (RILEM), the International Society for Industrial Ecology (ISIE), and the Society of Environmental Toxicology and Chemistry (SETAC) invite you to participate to the International Symposium on LCA and Construction 2012.

Partners and sponsors



To become a sponsor, please contact: emmanuelle.pichot@ifsttar.fr

Publications

Papers have been selected using a rigorous peer review system. All accepted papers selected for oral presentation will be published in the proceedings of the symposium. The papers will be registered in the Web of Science (WoS), through RILEM publication.

Organizing committee

Anne Ventura (IFSTTAR), Sébastien Lasvaux (CSTB), Chantal de la Roche (IFSTTAR), Kristel Hermel (IFSTTAR), Emmanuelle Pichot (IFSTTAR), Annick Lalloret (IFSTTAR), Adélaïde Feraille (IFSTTAR, Ecole des Ponts Paristech), Guillaume Habert (IFSTTAR), Yannick Tardivel (SETRA), Christian Tessier (IFSTTAR)

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Key dates

May 15, 2012
 June 1, 2012
 July 10-12, 2012

End of early bird registration
 Registration deadline for oral presenters
 Symposium

Location

La Cité, the Nantes events center: <http://www.lacite-nantes.com/uk/index.html>
 Online registration: <http://lca-construction2012.ifsstar.fr/registration.php>

Provisional Program

Download detailed program:

	Monday July 9	Tuesday July 10	Wednesday July 11	Thursday * July 12
Room		Auditorium	Auditorium	Room I
8.00 – 8.30		<i>Opening of registration desks and checkroom</i>		
Morning session 1		Opening and Keynote lectures <u>Invited speakers</u> : Guinée J. Horvath A. Kohler N.	Case studies for infrastructures	Case studies for buildings
				See below *
			<i>Coffee break and posters sessions</i>	
Morning session 2		LCI data: validation, agregation and uncertainties	Methods for construction materials	
			<i>Lunch</i>	
Afternoon session 1	<i>Free technical visits of Ifsttar and CSTB laboratories</i>	Methods for buildings	Dynamic LCA for service life and indicators	
			<i>Coffee break and posters sessions</i>	
Afternoon session 2	<i>For more information contact us</i>	Decision and management	End of life, wastes and allocation	
			<i>Welcome cocktail</i>	
			<i>Gala dinner</i>	

*The third day of the symposium is dedicated to organise exchanges between researchers and LCA practitioners around societal expectations, standardization, public policies and research challenges. It will address the following issue: "How to articulate the LCA & construction research with its implementation in practice?" Invited experts will come from several countries to share their practise and their opinions through presentations and round tables.
 Official language of the symposium is English. The third day will be be bilingual French/English (headphones will be made available).

Contact information

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