



2<sup>nd</sup> DIRE MEETING  
WHAT IS SUSTAINABLE TECHNOLOGY?

THE ROLE OF LIFE CYCLE-BASED METHODS IN ADDRESSING THE CHALLENGES OF SUSTAINABILITY  
ASSESSMENT OF TECHNOLOGIES

September 27, 2012 Rome

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<b>10:00 – 10:30</b>	<b>REGISTRATION</b>
<b>10:30 – 10:45</b>	<b>INTRODUCTION</b> <i>Chairs: Grazia Barberio (ENEA), Lucia Rigamonti (Politecnico di Milano), Alessandra Zamagni (ENEA)</i>
<b>10:45 – 11:00</b>	<b>Paolo Masoni, President of the Italian LCA Network – ENEA</b>
<b>11:00 – 12:00</b>	<b>Stig Irvin Olsen, Technical University of Denmark</b> Strengths, weaknesses and opportunities of LCA and life cycle-based methods for the sustainability assessment of nanotechnologies.
<b>12:00 – 13:00</b>	<b>POSTER SPOTLIGHT</b> <b>M. Jorizzo</b> “Life Cycle Approach and Ecoinnovation” <b>A. Simboli</b> “Eco-innovation of sand cores in aluminium gravity casting for the automotive supply-chain: an LCA-based analysis” <b>M.L. Parisi</b> “Life Cycle Analysis of Dye Sensitized Solar Cell Technology” <b>H. Dura</b> “Efficiency of today’s individual passenger transport with respect to its applicability in urban areas. Comparative assessment of the performance of a light weight vehicle and conventional vehicle in urban living” <b>N. Mirabella</b> “Environmental sustainability assessment of a short wood supply chain” <b>L. Ruini</b> “Development and In-Field Testing of a Sustainability Assessment method for durum wheat cultivation” <b>L. Ruini</b> “Is healthy eating healthy for the environment” The BCFN Double Food Pyramid” <b>A. Fierro</b> “The primary importance of more precise and locally available data for the evaluation of net GHG emissions of N2O by means of LCA applied to agricultural production” <b>V. Tascione</b> “Environmental optimization of waste management systems by integrating LCA and linear programming: a simulation” <b>G. Arcese</b> “Social LCA: a methodology for the application to the tourism sector”
<b>13:00 – 14:30</b>	<b>LUNCH BREAK</b>
<b>14:30 -16:45</b>	<b>PRESENTATIONS</b> <b>V. D’Incognito</b> “Modelling biogenic and fossil carbon among domestic wastes with a material flow analysis model” <b>F. Bettini</b> “Life Cycle Costing of new technologies” <b>P.K. Ramirez</b> “Subcategory Assessment Method (SAM) for S-LCA: stakeholder “worker” and “consumer” <b>F. Thiebat</b> “Life-cycle methods as design tools for assessment of technologies sustainability” <b>J. Ren</b> “An improved Grey Relation Analysis for technologies selection based on Life Cycle Sustainability” <b>L. Ruini</b> “Barilla EPD Process System to increase reliability, comparability and communicability of LCA studies”
<b>16:45 – 17:30</b>	<b>DISCUSSION</b> Wrap up of the sessions, discussion with the audience, draft of a “Discussion Paper” as main outcome of the meeting.

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DIRE (Development and Improvement of LCA methodology: Research and Exchange of experiences) is a Working Group of the Italian LCA Network.

The Meeting will be hosted on 27 September 2011 by the 18 IGWT Symposium (24-28 September 2012) at the “Federico Caffè” Faculty of Economics of the Roma Tre University.

Full papers and extended abstracts will be published in the proceedings book (*ISBN publication*) that will be distributed at the meeting among all attendees.

The meeting is **free of charge but a registration is necessary**. Please, fill in the registration form available at

[www.reteitalianalca.it/2b0-convegno-del-gruppo-dire/Registration.pdf/view](http://www.reteitalianalca.it/2b0-convegno-del-gruppo-dire/Registration.pdf/view)

and send it to [gruppodire@gmail.com](mailto:gruppodire@gmail.com)