

Schedule

MONDAY, AUGUST 31: PLENARY SESSION 1

09.00 am – 10.30 am

COFFEE BREAK AND POSTER SESSION

10.30 am – 11.00 am

MONDAY, AUGUST 31: PLENARY SESSION 2

11.00 am – 12.30 pm

LUNCH, POSTER SESSION || THEMATIC LUNCH SESSION BY [avniR]

12.30 pm – 02.00 pm

OPENING CEREMONY

LOCATION: AMPHI A

MODERATOR: GUIDO SONNEMANN, ISM - CYVI - UNIVERSITY OF BORDEAUX

08.00 am Doors open

09.00 am **Joint introductory speech**
Guido Sonnemann, ISM - CyVi - University of Bordeaux
Manuele Margni, Ciraig, Polytechnique Montréal
Naeem Adibi, [avniR] by cd2e

09.15 am **Short welcome statements from host organizations**
Olivier Homolle, President of Chemical Society of France (SCF)
Philippe Garrigues, Director of Institute of Molecular Sciences (ISM)
Representatives of University of Bordeaux, Bordeaux INP and CNRS
Christian Traisnel, Director of cd2e - [avniR] - TEAM²

09.30 am **Welcome speeches**
Ségolène Royal, Minister for Ecology, Sustainable Development and Energy (tbc)
Alain Rousset, President of Aquitaine Region
Representative from Nord-Pas de Calais Region

10.00 am **Circular Economy and Environmental Footprint: Squaring the circle between sustained profitability and credible environmental sustainability**
Hugo-Maria Schally, Head of Unit, Directorate General Environment, Eco-innovation and circular economy at European Commission

10.10 am **Scaling up Sustainable Consumption and Production through Life Cycle Thinking**
Llorenç Mila i Canals, Programme Officer, Division of Technology, Industry and Economy at UNEP

10.20 am Discussion



ENHANCING COLLABORATION AND COMMUNICATION TOWARDS MAINSTREAMING LCM

LOCATION: AMPHI A

MODERATOR: JAMES FAVA, THINKSTEP AND FSLCI

- 11.00 am Welcome**
James Fava, Chief Sustainability Strategist at thinkstep and Chair, Executive Committee, Forum for Sustainability through Life Cycle Innovation (FSLCI)
- 11.10 am BASF perspective**
Peter Saling, Director Sustainability Methods at BASF
- 11.20 am WBCSD perspective**
Peter White, Chief Operating Officer at WBCSD
- 11.30 am WULCA perspective**
Anne-Marie Boulay, WULCA Project Manager at CIRAIG - Ecole Polytechnique de Montreal
- 11.40 am FICCI perspective**
Sanjeevan Bajaj, CEO of the Quality Forum of the Indian Chambers of Commerce and Industry (FICCI) and President of the Forum for Sustainability through Life Cycle Innovation (FSLCI)
- 11.50 am FSLCI perspective**
Martina Prox, Head of Marketing and Sales at IFU and Vice President of the Forum for Sustainability through Life Cycle Innovation (FSLCI)
- 12.00 pm Discussion**



Schedule

MONDAY, AUGUST 31

02.00 pm – 03.30 pm

COFFEE BREAK AND POSTER SESSION || LCiP AWARDS

03.30 pm – 04.00 pm

MAINSTREAMING LCM IN PUBLIC POLICY - I

LOCATION: AMPHI A

CHAIRS: HUGO-MARIA SCHALLY, EUROPEAN COMMISSION
CLARE BROADBENT, WORLD STEEL ASSOCIATION

02.00 pm **Mainstreaming EU product policies: Potential advantages and disadvantages**

CARL JOHAN DALHAMMAR¹, Tomohiro Tasaki²

¹Lund University, Sweden; ²NIES, Japan

02.15 pm **Product Environmental Footprint – Development of the T-shirt PEFCR**

SANDRINE PESNEL¹, Jérôme Payet^{1,2}

¹CYCLECO, France; ²Ecole Polytechnique Fédérale de Lausanne, Switzerland

02.30 pm **Generating road transport sector LCI data set for policy decision support: A Sri Lankan case study**

CHALAKA FERNANDO, Ajith de Alwis

University of Moratuwa, Sri Lanka

02.45 pm **German Environment Agency's Minimum Requirements on Packaging LCAs**

BENEDIKT KAUERTZ, Andreas Detzel

IFEU Institut für Energie- und Umweltforschung Heidelberg, Germany

03.00 pm **An International Survey on the Cost of Product Category Rules and Environmental Product Declarations**

TOMOHIRO TASAKI¹, Koichi Shobatake², Kenichi Nakajima¹, Carl Dalhammar³

¹National Institute for Environmental Studies, Japan; ²TCO2 Co. Ltd., Japan; ³Lund University Sweden

03.15 pm **Discussion**



MAINSTREAMING LCM IN SMES: THE BENEFITS OF SECTORIAL APPROACHES

LOCATION: AMPHI B

CHAIRS: GERARD DEROUBAIX, FCBA, FRANCE
AUBIN ROY, [AVNIR] BY CD2E, FRANCE

- 02.00 pm **Using a capability maturity approach to promote Life Cycle Management in Small to Medium sized Enterprises (SMEs)**
THOMAS E. SWARR¹, Anne-Claire Asselin², Llorenç Milà i Canals², Tracey Colley³, Sonia Validivia⁴
¹Yale University, United States of America; ²United Nations Environment Programme; ³Colley Consulting/ Sustaining Australia; ⁴World Resources Forum
- 02.15 pm **Life Cycle Management in Food and Drink SMEs: Challenges for environmental assessments based on life cycle thinking in SMEs**
REGULA LISA KELLER¹, Niels Jungbluth¹, Saioa Ramos², Birgit Landquist³, Gudrun Olafsdottir⁴, Eva Yngvadottir⁵
¹ESU-services, Switzerland; ²Fundación Azti, Spain; ³SP Technical Research Institute of Sweden, Sweden; ⁴Haskoli Islands, Iceland; ⁵EFLA HF, Iceland
- 02.30 pm **Product classification for enabling systematic and sectorial Life Cycle Assessment in German furniture industry**
JAN L. WENKER¹, Klaus Richter², Sebastian Rüter¹
¹Thünen Institute of Wood Research, Hamburg, Germany; ²Munich Wood Research Institute, München, Germany
- 02.45 pm **Making sustainable critical business decisions along a product value chain: the case of NEHSU FOODS LTD Cameroon Pilot Project**
NAPOLEON FORPAH CHI¹, Judith Ngang², Charles Azong³, Eric Fonghang², Delphine Wah²
¹Watershed Task Group, Cameroon; ²NEHSU FOODS Company LTD, Cameroon; ³London Institute for Information Technology, Cameroon
- 03.00 pm **Step by step from LCA to LCM IN SMEs: Case of Heliopac**
Romain Jost¹, MATHILDE COURBOT¹, Naeem Adibi²
¹Heliopac, France; ²[avniR] by cd2e, France
- 03.15 pm Discussion

MANAGING LIFE CYCLE INFORMATION FROM SUPPLY CHAIN FOR LCM

LOCATION: AMPHI C

CHAIRS: HONGTAO WANG, SICHUAN UNIVERSITY, CHINA
GREGORY ALLEN NORRIS, HARVARD UNIVERSITY, UNITED STATES OF AMERICA

- 02.00 pm **Activating the hidden data treasure**
BO PEDERSEN WEIDEMA
Aalborg University, Denmark
- 02.15 pm **Framework for assessing social sustainability of supply chain**
TAMARA POPOVIC¹, Ana Carvalho², Andrzej Kraslawski^{1,3}, Ana Barbósa Póvoa²
School of Industrial Engineering and Management, Lappeenranta University of Technology, Finland; ²CEG-IST, Instituto Superior Técnico, Universidade de Lisboa, Portugal; ³Faculty of Process and Environmental Engineering, Technical University Lodz, Poland
- 02.30 pm **Evaluation of water and carbon footprints across the supply chain of the pig meat sector**
XAVIER ALDEA¹, Maria José Amores¹, Desirée Marín¹, Jesús Boschmonart-Rives^{2,3}, Carles Martínez Gasol^{2,3}, Joan Colón⁴, Sergio Ponsá⁴, Isabel Román⁵, Eudald Casas⁶
¹Cetaqua, Spain; ²Inèdit Innovació, S.L., Spain; ³Sostenipra, Institute of Environmental Science and Technology (ICTA), Universitat Autònoma de Barcelona (UAB), Spain; ⁴Grup d'investigació BETA, Universitat de Vic, Spain; ⁵Lavola 1981 SA, Spain; ⁶Innovacc, Catalan Innovation Association for the Pig Meat Sector, Spain
- 02.45 pm **Challenges by applying LCA across value chains**
CHRISTIAN KRÜGER¹, Peter Saling¹, Christoph Balzer², Rob van der Heijden²
¹BASF SE, Germany; ²Shell
- 03.00 pm **eFootprint for integrated environmental management along supply chain @ internet age**
HONGTAO WANG¹, Ping Hou²
¹Sichuan University, China; ²IKE Environmental Technology
- 03.15 pm **Discussion**



EFFICIENT AND SUCCESSFUL DESIGN METHODS AND TOOLS FOR SUSTAINABLE INDUSTRIAL SYSTEMS

LOCATION: ROOM E

CHAIRS: DOMINIQUE MILLET, ECOSD, FRANCE
SEBASTIEN ZINCK, STEELCASE, FRANCE

- 02.00 pm **Increasing maturity in ecodesign through action research: A longitudinal in-company experience**
Fabien Brones^{1,2}, DANIELA PIGOSSO³, Marly Monteiro de Carvalho², Tim McAloone³
Natura Inovação e Tecnologia de Produtos Ltda, Brazil; ²Polytechnic School - University of São Paulo; ³Technical University of Denmark
- 02.15 pm **An innovative ecodesign approach for communication services**
HELENE TEULON¹, Xavier Durieux², Gentiane Gastaldi¹
¹GINGKO 21, France; ²Orange Business Services, France
- 02.30 pm **Behind the scene of eco-innovation at Renault: from collective action to breakthrough concepts**
STÉPHANE MOREL^{2,1}, Lomig Unger³
¹Mines Paristech, France; ²Renault Engineering, France; ³Renault Innovation, France
- 02.45 pm **New research opportunities in eco-innovation from two years of collaborative research projects**
Flore Vallet², FRANCOIS CLUZEL¹, Yann Leroy¹, Benjamin Tyl³
¹Ecole Centrale Paris, France; ²Université de Technologie de Compiègne, France; ³APESA, France
- 03.00 pm **Challenges when evaluating Product/Service-Systems through Life Cycle Assessment**
LOUISE LAUMANN KJAER¹, Aris Pagoropoulos¹, Jannick H. Schmidt², Tim C. McAloone¹
Technical University of Denmark, Denmark; ²Aalborg University, Denmark
- 03.15 pm **Selecting eco-maintenance strategy for system of renewable energy production**
NICOLAS TCHERTCHIAN, Dominique Millet
SEATECH/ Université de Toulon, France

LCM FOR CHEMICALS AND MATERIALS - I

LOCATION: ROOM F

CHAIRS: GUY CASTELAN, PLASTICSEUROPE, FRANCE
NIKOLAJ OTTE, HENKEL, GERMANY

- 02.00 pm **Mainstreaming LCM through Capability Maturity Model in an Indian chemicals company**
Archana Datta, SANJEEVAN BAJAJ, Sohini Gupta
FICCI, India
- 02.15 pm **Development of life-cycle inventories of chemical substances: Priority needs and call for participation**
EMMANUELLE AOUSTIN¹, Philippe Osset², Olivier Réthoré³, Hélène Bortoli³
¹Quantis, France; ²Solinnen; ³Ademe
- 02.30 pm **Product Environmental Footprint (PEF) of decorative paints: Implementation and results of the PEF screening**
PAU HUGUET FERRAN, Lisa Damen
Ecomatters, Netherlands
- 02.45 pm **Impacts versus benefits of products – sustainability assessment looking at both sides of the coin**
HARALD PILZ
Denkstatt GmbH, Austria
- 03.00 pm **The example of A.I.S.E.'s Product Environmental Footprint Category Rules (PEFCR) pilot project on household heavy duty liquid laundry detergents**
Sascha Nissen¹, Philippe Osset², Delphine Bauchot², CHRISTELLE HENRY³
¹A.I.S.E., Brussels; ²Solinnen, Paris; ³AFISE, Paris
- 03.15 pm **P2P Program: the eco-design, eco-production and eco-elimination of solid propulsion boosters for next generation launchers**
LUDOVIC DARIOL¹, Nicolas Rumeau², Régis Touya³
¹Airbus DS, France; ²Roxel; ³Safran Herakles



Schedule

MONDAY, AUGUST 31

04.00 pm – 05.30 pm

MONDAY
04.00 pm – 05.30 pm

MAINSTREAMING LCM USING A SECTOR BASED AND REGIONAL APPROACH FOR INNOVATION

LOCATION: AMPHI A

CHAIRS: CHRISTIAN TRAISNEL, TEAM², FRANCE
VANESSA PASQUET, [AVNIR] BY CD2E, FRANCE

- 04.00 pm **Life-cycle approaches to regional development**
FRITZ BALKAU¹, Stefania Massari², Guido Sonnemann³
¹Individual, France; ²University of Salento; ³University of Bordeaux
- 04.15 pm **Western Cape regional resource flow model: Using Life Cycle Thinking to examine the resource intensity of agricultural value chains**
Catherine Pineo¹, PIETER FREDERIK JANSE VAN VUUREN¹, Lauren Basson¹, Chris Millson¹, Jim Petrie²
¹GreenCape Sector Development Agency, Cape Town, South Africa; ²Department of Economic Development and Tourism, Western Cape Government, Cape Town, South Africa
- 04.30 pm **Influence of developing LCM notion in Europe to Caucasus and neighbouring regions**
VASIF VALIYEV¹, Gurbuz Comak²
¹Petkim Container Terminal Project, Turkey; ²Petkim Petrochemical Holding, Turkey
- 05.45 pm **Introducing the extended product approach and product category rules for motor systems**
JOHANNES AUER, Benno Weis
Siemens AG, Germany
- 06.00 pm **Mainstreaming Life Cycle Management and ecodesign in the building sector: A sector based and regional approach in Northern France**
MARIE DARUL¹, Naeem Adibi², Vanessa Pasquet², Marion Sié³, Christelle Demaretz⁴
¹cd2e, France; ²[avniR] by cd2e, France; ³Cycléco, France; ⁴Conseil régional Nord-Pas de Calais, France
- 06.15 pm **Discussion**



ENVIRONMENTAL FOOTPRINTING AND LABELING: EXPERIENCES WITH ENVIRONMENTAL PROGRAMS

LOCATION: AMPHI B

CHAIRS: EDOUARD FOURDRIN, ADEME, FRANCE
JÉRÔME PAYET, CYCLECO, FRANCE

- 04.00 pm **The PEPecopassport® program: An international sector-specific framework for Type III environmental declarations**
CAROLINE CATALAN^{1,6}, Charlotte Ingold^{1,6}, Jean-Michel Rossignol^{2,6}, Serge Theoleyre^{3,6}, Pierre-Yves Berthelemy^{4,6}, Emmanuelle Briere^{5,6}, Sophie Barbeau^{1,6}
¹Nexans; ²Legrand; ³Schneider Electric; ⁴Groupe Atlantic; ⁵Uniclima; ⁶PEP association
- 04.15 pm **“Base IMPACTS ®”: Setting up a database to support the French footprint program on mass market products**
OLIVIER RETHORE
ADEME, France
- 04.30 pm **The batteries Product Environmental Footprint: Environmental communication on batteries in BtB**
CLEMENCE SIRET
Saft, France
- 04.45 pm **Investigating options for different compliance systems for Product Environmental Footprint (PEF) declarations**
Olivier Jan, CLÉMENT TOSTIVINT, Marion Sarteel
Deloitte, France
- 05.00 pm **Product Carbon Footprint Study of Lenovo Laptop**
XUN GONG¹, Hongzhi Tao¹, Ge Tang¹, Hongtao Wang², Ping Hou³
¹Lenovo, China; ²College of Architecture and Environment, Sichuan University, China; ³IKE Environmental Technology Co.,Ltd, China
- 05.15 pm **Discussion**

GLOBAL PARTNERSHIPS AND COLLECTIVE ACTION TO IMPLEMENT LCM

LOCATION: AMPHI C

CHAIRS: PETER R. SALING, BASF SE, GERMANY
STÉPHANE MOREL, RENAULT, FRANCE

- 04.00 pm **From current practice to harmonized cross-sectorial Life Cycle Sustainability Assessment**
DANA KRALISCH
Friedrich-Schiller-University Jena, Germany
- 04.15 pm **Mainstreaming LC Thinking Worldwide – Building Critical Mass in Emerging and Rapidly Growing Economies through Capacity Building**
SANJEEVAN BAJAJ¹, Sonia Valdivia², Cássia Maria Lie Ugaya³
¹Federation of Indian Chambers of Commerce and Industry (FICCI), India; ²World Resources Forum, Switzerland; ³Federal Technological University of Paraná, Brazil
- 04.30 pm **Managing global supplies of technology metals: The Conflict-Free Sourcing Initiative**
Michael Rohwer¹, STEVEN B YOUNG²
¹Conflict-Free Sourcing Initiative, Washington, DC, USA; ²SEED, University of Waterloo, Canada
- 04.45 pm **Collaborations to manage life cycles – identified values from a long lasting commitment between academy, industry and government in Sweden**
SARA PALANDER, Anna Wikström
the Swedish Life Cycle Center/Chalmers University of Technology, Sweden
- 05.00 pm **Industrial chairs – a proven collaboration concept and promising perspective for industry and academia to commonly advance science and improve the management of life cycles**
RALPH ROSENBAUM¹, Agata Sferratore², Sebastien Louvet³, Pascal Dauthuille⁴, Perrine Languet⁵, Stéphane Le Pochat⁶, Catherine Macombe¹, Carole Sinfort⁷, Claudine Basset-Mens⁸, Guillaume Junqua⁹
¹Irstea, France; ²Société du Canal de Provence, France; ³BRL Group, France; ⁴SUEZ Environment; ⁵UCCOAR-Val D’Orbieu Group, France; ⁶EVEA, France; ⁷Montpellier SupAgro, France; ⁸CIRAD, France; ⁹École des Mines d’Alès, France
- 05.15 pm **Review of 5 years of cooperative life cycle management within the European coatings industry**
EMILIE CARASSO², Max Sonnen¹
¹Ecomatters, Netherlands; ²CEPE, Belgium



EFFICIENT AND SUCCESSFUL DESIGN METHODS AND TOOLS FOR SUSTAINABLE INDUSTRIAL SYSTEMS II

LOCATION: ROOM E

CHAIRS: NICOLAS PERRY, ARTS ET MÉTIERS - I2M, FRANCE
STEPHANE LE POCHAT, EVEA, FRANCE

- 04.00 pm **A LCA-integrated mixed-integer multiobjective optimization platform for eco-design of conventional potable water plants and their life cycle networks**
ARAS AHMADI¹, Florin Capitanescu², Ligia Barna¹, Enrico Benetto²
Université de Toulouse, France; ²Luxembourg Institute of Science and Technology, Environmental Research and Innovation (LIST/ERIN), Luxembourg
- 04.15 pm **A tool for LCA and LCC of heat supply systems**
KEVIN MICHAEL KNECHT, Rafael Peter Burri, Niko Heeren, Stefanie Hellweg
ETHZ, Switzerland
- 04.30 pm **Methodology for evaluating the sustainability of products and processes - Application to alternative substitution techniques of chromium VI**
Claire Villemur¹, Marion Delaire¹, CAMILLE JUGY¹, Sébastien Garnier², Leslie Jacquemin²
¹Altran, Blagnac, France; ²Altran Research, Blagnac, France
- 04.45 pm **Development of a tool for Eco-designing AirFrame: LEAF**
Emmanuelle Schloesing¹, AUGUSTIN CHANOINE¹, Yannick Le Guern¹, Gael Sarrieu²
¹Deloitte, France; ²Airbus, France
- 05.00 pm **Multi-criteria decision support for sustainable asset management and its application in the shipping sector**
STEFANIE NIEKAMP^{1,2}, Ujjwal R Bharadwaj¹, Jhuma Sadhukhan², Marios Chryssanthopoulos²
¹TWI Ltd, Cambridge, United Kingdom; ²University of Surrey, Guildford, United Kingdom
- 05.15 pm **Water footprint calculation: Application to urban water cycle**
YWANN PENRU¹, Delphine Antonucci², Maria José Amores Barrero³, Catherine Chevauché¹
¹Suez Environnement, France; ²Safège, France; ³CETaqua, Spain

LCM FOR CHEMICALS AND MATERIALS - II

LOCATION: ROOM F

CHAIRS: GUY CASTELAN, PLASTICSEUROPE, FRANCE
PHILIPPE LOUBET, CYVI, ISM, BORDEAUX INP, FRANCE

- 04.00 pm **SewageLCI 1.0 – A first generation inventory model for quantification of chemical emissions via sewage systems. Application on chemicals of concern**
AURÉLIE GALLICE¹, Morten Birkved², Sébastien Kech¹
¹Veolia Research & Innovation, France; ²Department of Management Engineering, Technical University of Denmark, Denmark
- 04.15 pm **Integrated Analysis of Solvents for Adhesives**
ANDRÉ MOREIRA CAMARGO¹, Mariana Matera Veras², Délcio Rodrigues¹, Yuki Hamilton Onda Kabe³, Luiz Gustavo Ortega³
¹MACJEN, Brazil; ²USP, Brazil; ³Braskem, Brazil
- 04.30 pm **Unique LCA modeling approaches to developing process benchmarks and hotspots for the global manganese alloy industry**
JULIA DAVOURIE¹, Luke A. Westfall¹, Mohammed Ali¹, Catalina F. Gonzalez¹, Doreen Mc Gough²
¹Hatch Ltd., Canada; ²International Manganese Institute (IMnI), France
- 04.45 pm **Preferable, profitable and possible – the interplay between research approaches and industrial experience in finding common routes to more sustainable industrial systems**
EMMA REX, Johan Torén, Johanna Ulmanen, Johanna Berlin
SP Technical Research Institute of Sweden, Sweden
- 05.00 pm **Environmental Life Cycle Assessment of OEM Automotive Paint Shop Technologies**
REBECCA GLASPIE, Jason Pierce, Josh Seeley
Eastman Chemical Company, United States of America
- 05.15 pm **Life Cycle Assessment as a Tool for Understanding Material Efficiency Strategies relating to the Circular Economy**
NICK COLEMAN¹, Peter Hodgson¹, Stuart Walker²
¹Tata Steel, United Kingdom; ²University of Sheffield, United Kingdom



Schedule

TUESDAY, SEPTEMBER 1: PLENARY SESSION

09.00 am – 10.30 am

COFFEE BREAK AND POSTER SESSION

10.30 am – 11.00 am

TUESDAY, SEPTEMBER 1: PARALLEL SESSIONS

11.00 am – 12.30 am

LUNCH AND POSTER SESSION || THEMATIC LUNCH SESSION BY ADEME

12.30 pm – 02.00 pm

TUESDAY
09.00 am – 10.30 am

BUSINESS PERSPECTIVES ON LCM FOR SUSTAINABLE VALUE CREATION

LOCATION: AMPHI A

MODERATOR: EMMANUELLE Aoustin, Quantis International

- 09.00 am **Welcome**
Manuele Margni, CIRAIQ – Polytechnique Montréal, Canada
- 09.05 am **Organizational LCA: The new member of the ISO LCA family—launching the UNEP/SETAC Life Cycle Initiative guidance document**
Matthias Finkbeiner, Chair of Sustainable Engineering, Technische Universität Berlin
- 09.15 am **Life-Cycle Engineering: The roadmap to emission free mobility**
Stephan Krinke, Director Environmental Affairs Product - Volkswagen AG
- 09.40 am **Life Cycle Thinking: Getting to Scale**
Euan Murray, CEO at The Sustainability Consortium
- 10.05 am **Championing for sustainability: How companies are creating excitement for integrated sustainability**
Urs Schenker, Senior Sustainability Specialist - Nestlé



FROM PROJECTS TO PROCESSES TO IMPLEMENT LCM IN BUSINESS

LOCATION: AMPHI A

CHAIRS: MARTIN BAITZ, THINKSTEP, GERMANY
ELMAR ROTHER, EVONIK INDUSTRIES AG, GERMANY

- 11.00 am **From projects to processes in LCM - different companies - different pathways - comparable necessities - consistent basis**
MARTIN BAITZ
Thinkstep, Germany
- 11.15 am **Inclusion of Life Cycle Concepts in Sustainability and CSR Guidelines for Indian Public Sector Enterprises**
ASHOK KUMAR PAVADIA¹, Sanjeevan Bajaj², Archana Datta², Sohini Gupta²
¹*Department of Public Enterprises, Ministry of Heavy Industries and Public Enterprises;*
²*Federation of Indian Chambers of Commerce and Industry (FICCI), India*
- 11.30 am **Good examples – of importance to influence not yet devoted to learn how to benefit from the life cycle perspective**
Johanna Spångberg¹, Sara Palander², Elisabeth Hochschorner³, ANNA WIKSTRÖM²
¹*Swedish University of Agricultural Sciences, Uppsala;* ²*The Swedish Life Cycle Center, Gothenburg;* ³*KTH Royal Institute of Technology, Stockholm*
- 11.45 am **Life Cycle Management and Sustainability as a Business Driver in the Value Chain: How to make it happen**
GERALD REBITZER, Fabio Peyer
Amcor, Switzerland
- 12.00 pm **I2P³ - Implementation of sustainability assessment as part of strategic innovation management of a large specialty chemicals company**
MARTIN KIRCHNER, Burkard Kreidler
Evonik Industries AG, Germany
- 12.15 pm **Integrating Life Cycle Engineering into the automotive product development process**
FLORIAN BROCH, Stephan Krinke
Volkswagen AG, Germany

INTEGRATING SOCIAL ASPECTS IN LCM

LOCATION: AMPHI B

CHAIRS: BERNARD MAZIJN, INSTITUTE FOR SUSTAINABLE DEVELOPMENT & GENT UNIVERSITY, BELGIUM
JEAN-PIERRE REVÉRET, CIRAIG, CANADA

- 11.00 am **A comprehensive review of evaluation methods in social performance (Type I) S-LCA and their potential for integration with leading CSR frameworks**
SARA RUSSO GARRIDO¹, Luce Beaulieu¹, Jean-Michel Couture², Julie Parent², Jean-Pierre Revéret¹
¹*CIRAIG, Université du Québec à Montréal, Canada;* ²*Groupe AGÉCO, Canada*
- 11.15 am **Materiality Analysis in the Value Chain using E-LCA and S-LCA for GRI G4 Sustainability Reporting**
Pradeep Panigrahi¹, Uday Gupta², RAJESH KUMAR SINGH³
¹*Mahindra Sanyo Special Steel Pvt. Ltd.;* ²*Mahindra Sanyo Special Steel Pvt. Ltd.;* ³*Thinkstep, India*
- 11.30 am **Can organizational level strengthen the implementation of S-LCA?**
JULIA MARTÍNEZ-BLANCO^{1,2}, Annekatrin Lehmann¹, Ya-Ju Chang¹, Matthias Finkbeiner¹
¹*Technische Universität Berlin, Germany;* ²*Inèdit Innovació SL, Spain*
- 11.45 am **PSILCA – A new, comprehensive, interactive database for Product Social Impact Life Cycle Assessment**
FRANZISKA EISFELDT, Andreas Ciroth
GreenDelta GmbH, Germany
- 12.00 pm **Introducing Social Data in Ecoinvent – First results**
CATHERINE BENOIT NORRIS¹, Gregor Wernet², Gregory Norris¹
¹*New Earth, United States of America;* ²*Ecoinvent center, Switzerland*
- 12.15 pm **LCSA methodological framework for a biorefinery case study: Norway versus USA**
Clara Valente, Ingunn Saur Modahl, ANDREAS BREKKE
Ostfold Research AS, Norway



LCM IN THE ELECTRICITY SECTOR

LOCATION: AMPHI C

CHAIRS: BEN AMOR, UNIVERSITÉ DE SHERBROOKE, CANADA
ANNE PRIEUR-VERNAT, GDF SUEZ, FRANCE

- 11.00 am **Life Cycle Assessment of decommissioning a nuclear power plant**
MAXIMILIAN SEIER¹, Till Zimmermann²
¹TU Darmstadt, Germany; ²University of Bremen, Germany
- 11.15 am **Novel life cycle assessment approaches for flexible electro-chemical energy storage**
FLORIAN BÖSS¹, Georg Markowz¹, Anika Regett², Timo Eickelkamp³
¹Evonik Industries AG, Germany; ²Ffe - Forschungsstelle für Energiewirtschaft e.V., Germany; ³E.ON Gas Storage GmbH, Germany
- 11.30 am **Turning data-intensive life cycle framework into policy-relevant communication tools: the case of electricity systems**
THOMAS GIBON, Francesca Verones, Edgar Hertwich
Industrial Ecology Programme, Norwegian University of Science and Technology, Norway
- 11.45 am **Life cycle assessment of the high voltage transmission system in Iceland**
Hildur B. Hrólfsdóttir¹, ALEXANDRA KJELD², Gyða M. Ingólfssdóttir², Helga J. Bjarnadóttir²
¹The Icelandic transmission company Landsnet hf., Iceland; ²EFLA Consulting Engineers, Iceland
- 12.00 pm **GHG Emission and Energy Payback Time of AC Electricity Generated by SunPower® Oasis® Photovoltaic Power Plant**
LOÏC FRANCKE¹, Marie-Sophie Armand¹, Marissa Yao², Craig Oeser²
¹TOTAL New Energies; ²SunPower Corporation
- 12.15 pm **SOLCA, a tool to assess environmental impacts of photovoltaic systems**
Paul Lautridou, JÉRÔME PAYET
Cycleco, France

MONETARISATION: EFFECTIVE APPROACHES TO COMBINE MULTIPLE DIMENSIONS OF SUSTAINABILITY ASSESSMENT

LOCATION: ROOM E

CHAIRS: JEAN-FRANCOIS VIOT, SOLVAY, FRANCE
PHILIPP PREISS, EUROPEAN INSTITUTE FOR ENERGY RESEARCH, GERMANY

- 11.00 am **Environmental Benefits & Costs of Polyethylene (PE)**
Julie Raynaud², YUKI HAMILTON ONDA KABE¹, Luiz Gustavo Ortega¹, Neil McIndoe²
¹Braskem, Brazil; ²Trucost
- 11.15 am **Monetarisaton of environmental impacts in the new 2015 EPS version**
BENGT ANDERS STEEN
Chalmers University of Technology, Sweden
- 11.30 am **Eco-efficient recycling and (plastic) waste management based on Cost-Benefit Analyses**
HARALD PILZ
Denkstatt GmbH, Austria
- 11.45 am **130+ Swiss Army Knives that will solve all interpretation problems in impact assessment**
MARK GOEDKOOOP¹, Dorothy Maxwell²
¹PRé Consultants, Netherlands, The; ²Global View Sustainability Services Ltd, United Kingdom
- 12.00 pm **Resources & Ecosystem Services: capturing the loss of resources functional value in LCIA**
Manuele Margni¹, Anne-Marie Boulay¹, Vincent de Bruille¹, Viêt Cao¹, Olivier Jolliet², Sormeh Kashef Haghighi¹, CÉCILE BULLE³
¹CIRAIG, Polytechnique Montréal, Canada; ²School of Public Health, University of Michigan, USA; ³CIRAIG, Université du Québec Montréal, Canada
- 12.15 pm **Discussion**



LCM AND HUMAN TOXICITY EVALUATION

LOCATION: ROOM F

CHAIRS: RALPH ROSENBAUM, IRSTEA, FRANCE
QUENTIN DE HULTS, BASF, BELGIUM

11.00 am **Life Cycle Assessment and risk assessment: Comparison based on products examples**

GUY CASTELAN

PlasticsEurope

11.15 am **Life Cycle Management and toxicity assessment: Apples and Oranges; or two Sides of the same coin?**

MARK GOEDKOO¹, Lauren Heine², Laura Golsteijn¹

¹PRé Consultants; ²Clean Production Action

11.30 am **Are the additional impact categories human toxicity, particulate matter formation and ionising radiation ready for uptake in the CEN standards EN 15804 and EN 15978?**

Presentation of the evaluation framework and intermediate evaluation results

WAI CHUNG LAM¹, Katrien Boonen¹, Karen Allacker², Carolin Spirinckx¹, Dieter De Lathauwer³

¹VITO, Belgium; ²ASRO, KU Leuven, Belgium; ³Federal public service, Health, Food chain safety and Environment, Belgium

11.45 am **Life cycle considerations in assessing alternatives to substitute hazardous chemicals in consumer products**

PETER FANTKE

Quantitative Sustainability Assessment Division, Department of Management Engineering, University of Denmark

12.00 pm **ProScale - A proposal of new human toxicity indicator based on REACH data and applicable within life cycle management**

PETER R. SALING¹, Fritz Kalberlah⁴, Eva Schminke², Quentin de Hults¹, Birgit Grahl³

¹BASF SE, Germany; ²Thinkstep; ³Integrahl, Heidekamp; ⁴Research and Advisory Institute for hazardous substances (FoBiG), Freiburg

12.15 pm **Discussion**



Schedule

TUESDAY, SEPTEMBER 1

02.00 pm – 03.30 pm

COFFEE BREAK AND POSTER SESSION

03.30 pm – 04.00 pm

TUESDAY
02.00 pm – 03.30 pm

MAKING THE LIFE CYCLE METRICS DEPARTMENT MORE RELEVANT IN LARGE ORGANIZATIONS: FROM THE CELLAR TO THE STAGE

LOCATION: AMPHI A

CHAIRS: MARK GOEDKOOP, PRÉ CONSULTANTS, NETHERLANDS
ALAIN WATHELET, SOLVAY, BELGIUM

- 02.00 pm **Life Cycle Assessment management within the Solvay Group: a testimony**
JEAN-FRANCOIS VIOT¹, Alain Wathelet², Guy-Noël Sauvion³, Françoise Lartigue-Peyrou³
¹Solvay Research and Innovation, Eco-efficiency Evaluation 3E, Research & Innovation Centre, Paris; ²Solvay Research and Innovation, Eco-efficiency Evaluation 3E, Research & Innovation Centre, Bruxelles; ³Solvay Research and Innovation, Eco-efficiency Evaluation 3E, Research & Innovation Centre, Lyon
- 02.15 pm **How to get LCA results out of LCA department in to the board room**
ANNE GAASBEEK, Eric Mieras
PRé Consultants, Netherlands
- 02.30 pm **The Business Value of Life Cycle Approaches – thinkstep and Johnson & Johnson**
Chris Peterson¹, Al Iannuzzi², JAMES FAVA¹
¹Thinkstep, Canada; ²Johnson & Johnson
- 02.45 pm **Managing Sustainability in Innovation Projects**
YUKI HAMILTON ONDA KABE, Luiz Gustavo Ortega, Aline Fernandes da Silva, Giancarlo Santana Roxo
Braskem, Brazil
- 03.00 pm **From LCA projects to life cycle management: The Total M&S's experiment of initiatives to implement the life cycle thinking and life cycle management**
CÉLINE VERRAT, Géraldine Pinol
TOTAL Marketing & Services, France
- 03.15 pm **Discussion**



LCM FOR TRANSPORT AND MOBILITY - I

LOCATION: AMPHI B

CHAIRS: STEPHAN KRINKE, VOLKSWAGEN AG, GERMANY
LUDOVIC DARIOL, AIRBUS DEFENCE AND SPACE, FRANCE

02.00 pm **LCA of InCar plus automotive solutions**

JIA-UEI CHAN, Anna Meincke
ThyssenKrupp Steel Europe, Germany

02.15 pm **Life Cycle Design and Engineering Lab for Lightweight Concepts**

Christoph Herrmann, Christopher Schmidt, ALEXANDER KALUZA, Sebastian Thiede, Tina Dettmer
Technische Universität Braunschweig, Germany

02.30 pm **An example of integration method of social aspect in the life cycle assessment of a product in automotive sector**

MARZIA TRAVERSO, Peter Tarne, Volkmar Wagner, Stefan Brattig, Ferdinand Geckeler
BMW Group, Germany

02.45 pm **Expanding the scope of transport emission inventories – from well-to-wheel analyses to a life cycle assessment approach**

KIRSTEN BIEMANN, Frank Dünnebeil, Hinrich Helms, Julius Jöhrens, Claudia Kämper
Institut für Energie- und Umweltforschung Heidelberg GmbH, Germany

03.00 pm **Clarity leads to differentiation - a novel approach to create value from LCA**

ERIC W. BISCHOF¹, Bettina M. von Streit²
¹*Bayer MaterialScience AG, Germany;* ²*Bayer Technology Services GmbH, Germany*

03.15 pm **Discussion**

LCM IN THE ENERGY SECTOR

LOCATION: AMPHI C

CHAIRS: MARC-ANDREE WOLF, MAKI CONSULTING, GERMANY
SARA PALANDER, THE SWEDISH LIFE CYCLE CENTER/CHALMERS UNIVERSITY OF TECHNOLOGY, SWEDEN

02.00 pm **Life Cycle Assessment of Electricity Generation: The case of Mauritius**

RAVINA BRIZMOHUN¹, Toolseeram Ramjeawon¹, Adisa Azapagic²
¹*University of Mauritius, Mauritius;* ²*University of Manchester, UK*

02.15 pm **Environmental impacts from future deep geothermal power plants – a parameterised, prospective LCA-cost model**

KARIN TREYER, Christian Bauer, Warren Schenler
Paul Scherrer Institut, Switzerland

02.30 pm **Energy and environmental impacts of energy related products: The case study of a device for reducing natural gas consumption in the production of sanitary hot water**

MAURIZIO CELLURA¹, Francesco Guarino¹, Sonia Longo¹, Giovanni Salemi²
¹*University of Palermo, Dipartimento di Energia, Ingegneria dell'Informazione e Modelli Matematici Italy;* ²*Dipartimento Urbanistica, Assessorato Regionale Territorio e Ambiente, Regione Sicilia, Italy*

02.45 pm **Environmental due diligence of co2 capture technologies**

ANDERS HAMMER STRØMMAN
NTNU, Norway

03.00 pm **Carbon hotspot analysis of hydrogen energy carriers**

YUKI KUDOH, Naomi Kitagawa, Mai Murayama, Kiyotaka Tahara
National Institute of Advanced Industrial Science and Technology, Japan

03.15 pm **Discussion**



ORGANIZATIONAL LCA (OLCA) IS THE NEW TOOL FOR LCM

LOCATION: ROOM E

CHAIRS: MATTHIAS FINKBEINER, TU BERLIN, GERMANY
ATSUSHI INABA, KOGAKUIN UNIVERSITY, JAPAN

02.00 pm **Introduction + the OLCA guide launch**

02.15 pm **Launch and Roadtesting of the Guidance on Organizational LCA by the UNEP/SETAC Life Cycle Initiative**
Matthias Finkbeiner¹, JULIA MARTINEZ-BLANCO¹, Llorenç Mila-I-Canals², Ana Quiros³, Atsushi Inaba⁴
¹TU Berlin, Germany; ²UNEP, Paris, France; ³Ecoglobal, Costa Rica; ⁴Kogakuin University, Japan

02.30 pm **O-LCA study for Sustainable Procurement**
KENJI OHASHI
SHISEIDO CO., LTD., Japan

02.45 pm **Developing a Carbon Footprint inventory for a regional network of municipalities**
HOGNE NERSUND LARSEN¹, Christofer Skaar¹, Christian Solli¹, Grete Rasmussen²
¹Asplan Viak AS, Norway; ²Fredrikstad kommune

03.00 pm **Developing and testing common rules to quantify The Organisation Environmental Footprint in Retail Sector**
ROMAIN POIVET¹, Vik Vets², Lea Lim³, Steven Van Hemelryck⁴, Emilie Aubry⁵, Hanna Schreiber, Paolo Masoni⁷, Martin Wildenberg⁸, François-Xavier Morvan⁹, Shela Flechter¹⁰, Sophie Giller¹¹, Arnaud Brulair¹², Carole Dubois¹³, Sebastien Humbert¹³
¹ADEME, France; ²Carrefour, France; ³Carrefour, Belgique; ⁴Colruyt Group; ⁵Decathlon, France; ⁶Umweltbundesamt, Autriche; ⁷ENEA, Italie; ⁸Global 2000, Autriche; ⁹Kering, France; ¹⁰Office Depot, USA; ¹¹PERIFEM, France; ¹²Picard, France; ¹³Quantis, Suisse

03.15 pm **Discussion**

WBCSD SOCIAL METRICS INITIATIVE

LOCATION: ROOM F

CHAIRS: KITRHONA CERRI, WBCSD, SWITZERLAND
JACOBINE DAS GUPTA - MANNAK, DSM, NETHERLANDS

02.00 pm **Applying product related sustainability assessment to identify hotspots in the production of key materials for the automotive industry**
PETER TARNE¹, Marzia Traverso¹, Volkmar Wagner¹, René Scheumann², Matthias Finkbeiner²
¹BMW Group, Germany; ²Chair of Sustainable Engineering, Technische Universität Berlin, Germany

02.15 pm **Product Social Impact Assessment of a Run On Flat Tire**
Lynn Bell¹, Marzia Traverso², Peter Saling³, David Woodyard¹, JOÃO FONTES⁴
¹The Goodyear Tire & Rubber Company, United States of America; ²BMW Group; ³BASF SE - We create chemistry, Germany; ⁴PRé Consultants, Netherlands

02.30 pm **Social Metrics for chemical products**
Isabelle Spiegel¹, Andrea Brown², KITRHONA CERRI²
¹PwC, France; ²WBCSD, Switzerland

02.45 pm **Social issues in the automotive sector: Review of existing approaches and the social LCA application scene**
LAURA ZANCHI¹, Massimo Delogu¹, Alessandra Zamagni², Marco Pierini¹
¹Department of Industrial Engineering, University of Florence, Italy; ²Ecoinnovazione srl, Spin-off ENEA, Italy

03.00 pm **Enhancing operational social LCA methods for proper sustainability assessment in LCM**
Christopher Zimdars¹, STEPHAN PFISTER¹, Andreas Ciroth²
¹ETH Zurich, Switzerland; ²GreenDelta GmbH, Berlin

03.15 pm **Discussion**



Schedule

TUESDAY, SEPTEMBER 1

04.00 pm – 05.30 pm

TUESDAY
04.00 pm – 05.30 pm

CREATING SHARED VALUE AND RESOURCE EFFICIENCY WITH LCM ALONG THE SUPPLY CHAIN

LOCATION: AMPHI A

CHAIRS: MARTINA B. PROX, IFU HAMBURG, HAMBURG INSTITUTE FOR ENVIRONMENTAL IT, GERMANY
MARZIA TRAVERSO, BMW GROUP, GERMANY

- 04.00 pm **The application of Life Cycle Management Capability Maturity Model at Freudenberg Non-Wovens South Africa**
Zubeida Zwavel Tassiem¹; LEE-HENDOR RUITERS²
¹Zwavel Environmental Consulting, South Africa; ²National Cleaner Production Centre of South Africa
- 04.15 pm **Linking the local consumption of nickel to global supply Chain**
KENICHI NAKAJIMA¹, Keisuke Nansai¹, Ichiro Daigo², Shinsuke Murakami², Kazuyo Matsubae³
¹National Institute for Environmental Studies, Japan; ²The University of Tokyo, Japan; ³Tohoku University, Japan
- 04.30 pm **Potential material efficiency improvements via PSS: The case study of a truck manufacturer and one of its component suppliers**
DEREK LYLE DIENER, Anne-Marie Tillman
Chalmers-Environmental Systems Analysis, Sweden
- 04.45 pm **LCM knowhow in collective action and comprehensive metric: A booster for circular economy?**
STÉPHANE MOREL², Rémi Beulque^{1,2}
¹Mines Paristech, France; ²Renault sas, France
- 05.00 pm **Sustainability Assessment of value creation processes in manufacturing – challenges and approaches for the use case of pedelecs**
René Scheumann¹, Sabrina Neugebauer¹, Ya-Ju Chang¹, Kirana Wolf¹, Johannes Seidel², Sebastian Schenker³, Ralf Borndörfer³, Günther Seliger², Matthias Finkbeiner¹, NIKOLAY MINKOV¹
¹Technische Universität Berlin, Chair of Sustainable Enigneering, Germany; ²Technische Universität Berlin, Chair of Assembly Technology and Factory Management, Germany; ³Zuse Institute Berlin, Department Optimization, Germany
- 05.15 pm **“Sustainable Solution Steering”: BASF’s portfolio segmentation methodology to monitor and steer the portfolio based on sustainability needs in the value chain**
TALKE FRIEDERIKE SCHAFFFRANNEK, Dr. Florian Feigs, Dr. Andreas Kicherer
BASF SE, Germany



LCM FOR TRANSPORT AND MOBILITY - II

LOCATION: AMPHI B

CHAIRS: STEPHAN KRINKE, VOLKSWAGEN AG, GERMANY
LUDOVIC DARIOL, AIRBUS DEFENCE AND SPACE, FRANCE

04.00 pm **Leveraging IMDS to support environmental and risk analysis within the automotive supply chain**

THOMAS FRUEHBUSS¹, Will Martin²
¹Hewlett-Packard GmbH, Germany; ²Granta Design Ltd., UK

04.15 pm **How to include noise impacts in car and lorry fleet management with ecological scarcity 2013**

Rolf Frischknecht, Sybille Buesser Knoepfel, LAURA TSCHUEMPERLIN
treeze Ltd., Switzerland

04.30 pm **New recycling technologies by Continental to improve the tire life cycle balance sheet**

ANDREAS TOPP, Konstantin Efimov, Shreyas Naik
Continental Reifen Deutschland GmbH, Germany

04.45 pm **Geopolitical related supply risk as a new indicator for sustainable supply chain management under the life cycle sustainability assessment framework: The case of electric vehicles**

ESKINDER D. GEMECHU¹, Guido Sonnemann¹, Steven B. Young²
¹CyVi, ISM, University of Bordeaux, France; ²SEED, University of Waterloo, Canada

05.00 pm **Spatial distribution of LCA results for the use phase of extended range electric vehicles**

Laura Brethauer¹, Michael Baumann¹, Elvira Ockel², Sarah Homolka², ULRIKE BOS¹
¹University of Stuttgart, Chair of Building Physics, Dept. Life Cycle Engineering (GaBi), Germany;
²Fraunhofer Institute for Building Physics, Dept. Life Cycle Engineering (GaBi), Germany

05.15 pm **Evaluation of environmental impacts and cost development of future fuel cell drivetrains in passenger cars**

SIMONE I. EHREBERGER, Enver Doruk Özdemir, Sebastian Gerner, Markus Keller
German Aerospace Centre, Germany

GENERATING DATA: LCA DATABASES AND DATASETS QUALITY, ASSURANCE AND VERIFICATION

LOCATION: AMPHI C

CHAIRS: ANDREAS CIROTH, GREENDELTA, GERMANY
BRUCE VIGON, SETAC, UNITED STATES OF AMERICA

04.00 pm **Developing a Quality Management System for LCA data sets – the case of the LCA-CIRAD platform for tropical products**

YANNICK BIARD^{1,2}, Claudine Basset-Mens^{1,2}, Cécile Bessou^{3,2}, Thierry Tran^{4,2}, Anthony Benoist^{5,2}
¹Cirad - UPR Hortsys - Montpellier - France; ²ELSA - Montpellier - France; ³Cirad - UPR Systèmes de Pérennes - Montpellier - France; ⁴Cirad - UMR Qualisud - Bangkok - Thailande; ⁵Cirad - UPR BioWooEB - Montpellier - France

04.15 pm **Simplifying data creation and use in large LCI databases**

GREGOR WERNET
Ecoinvent, Switzerland

04.30 pm **Transforming ecoinvent for fun and profit**

CHRISTOPHER L MUTEL
Paul Scherrer Institute, Switzerland

04.45 pm **Towards a global network of interoperable LCA databases**

LLORENÇ MILÀ I CANALS¹, Anne Claire Asselin-Balencon¹, Simon Liu², Wesley Ingwersen³, Ted Macdonald⁴
¹UNEP, France; ²USDA, Riverdale, Maryland 20737, USA; ³U.S. Environmental Protection Agency, National Risk Management Research Laboratory, Cincinnati, OH, USA; ⁴U.S. Environmental Protection Agency, Office of International Affairs, Washington D.C, 20460, USA

05.00 pm **eFootprint / CLCD for LCA study and database development @ internet age**

Ping Hou¹, HONGTAO WANG², Yi Yang¹
¹IKE Environmental Technology, College of Architecture and Environment, Sichuan University, China

05.15 pm **Adapting of Life Cycle Inventories of agricultural products to regional contexts: The case of Brazilian soybeans**

CLAUDIA VON FRIHAUF¹, Gil Anderi da Silva¹, Marília Ieda da S. Folegatti Matsuura²
¹University of São Paulo - USP, Brazil; ²Embrapa Environment, Brazil



QUANTIFYING AND COMMUNICATING AVOIDED EMISSIONS: PANEL AND DISCUSSION ON STANDARDIZATION EFFORTS

LOCATION: ROOM E

CHAIRS: CYNTHIA EDEN CUMMIS, WRI, UNITED STATES OF AMERICA
WILLIAM P FLANAGAN, GENERAL ELECTRIC, UNITED STATES OF AMERICA

- 04.00 pm **Assessment of Avoided Emissions of ICT Solutions and Organization**
HIROKO IOKA, Seiya Yamazaki, Takafumi Hashitani
Fujitsu Ltd., Japan
- 04.15 pm **Guideline of estimating the contribution to the avoided emissions of products from life cycle perspective**
ATSUSHI INABA¹, Shoichiro Tsuruta², Maki Ogura³, Masaharu Motoshita⁴
Kogakuin University; ²Japan Environmental Management Association for Industry; ³Pacific Consultants, Co., LTD.; ⁴Natioanal Institute of Advanced Industrial Science and Technology, Japan
- 04.30 pm **Understanding the context of improvements - from greenwash to planet savers**
JANNICK HOEJRUP SCHMIDT
2.-0 LCA consultants, Denmark
- 04.45 pm **Addressing the Avoided Emissions Challenge: Guidelines from the Chemical Industry**
ANNEMARIE KERKHOF
Ecofys, Netherlands
- 05.00 pm **Quantifying avoided emissions - big opportunities and big risks**
GERALD REBITZER
Amcor, Switzerland
- 05.15 pm **Discussion**

WHAT PROCESS FROM RESEARCH TO PRACTICE?

LOCATION: ROOM F

CHAIRS: URS SCHENKER, NESTLÉ RESEARCH CENTER, SWITZERLAND
SANGWON SUH, UNIVERSITY OF CALIFORNIA, SANTA BARBARA, UNITED STATES OF AMERICA

- 04.00 pm **Transferring LCA research into industry through customised LCA tools – an example from the Australian sugar industry**
MARGUERITE A RENOUF
University of Queensland, Australia
- 04.15 pm **Call for action from chemical industry to environmental science**
ULLA LETINOIS¹, Henk Bosch¹, Isabelle Speigel², Andrea Brown³
¹DSM, Netherlands; ²PwC, France; ³WBCSD, Switzerland
- 04.30 pm **Addressing thermal pollution in LCA: From an industrial need to an operational tool through a research project**
JEAN-BAPTISTE BAYART¹, Justin Boucher², Dominique Corbisier³, Elsa Favrot³, Marcial Vargas¹, Stephan Pfister², Anne Prieur-Vernat³
¹Quantis, France; ²ETH Zurich, Switzerland; ³GDF Suez, France
- 04.45 pm **Enhancing transferability of a technology by joining efforts between concerned research and industry stakeholders during data collection and inventory building for LCA**
ELISE NAVEAUX
CEA, France
- 05.00 pm **SEARRCH – A converging scientific and stakeholders approach to design the framework for sustainability evaluation of Carbon fibers reinforced polymer recycling industry**
ANNE-LAURE CADENE¹, Leslie Jacquemin¹, Catherine Azzaro-Pantel², Luc Rouge³, Guido Sonnemann⁴
¹Altran Research, France; ²Université de Toulouse, France; ³Toulouse Business School, France; ⁴CyVi, ISM, University of Bordeaux, France
- 05.15 pm **Discussion**



Schedule

WEDNESDAY, SEPTEMBER 2

09.00 am – 10.30 am

COFFEE BREAK AND POSTER SESSION

10.30 am – 11.00 am

LCM FOR BUILDINGS: MATERIALS AND DESIGN

LOCATION: AMPHI A

CHAIRS: JOAN RIERADEVALL, UNIVERSITAT AUTÓNOMA DE BARCELONA, SPAIN
ROCÍO FERNÁNDEZ FLORES, ACCIONA INFRAESTRUCTURAS, SPAIN

09.00 am **Environmental impact considerations of building materials under different methodological approaches**
CHRISTIAN SOLLI, Anne Sigrid Nordby, Mie Fuglseth, Oddbjørn Dahlstrøm, Christofer Skaar
Asplan Viak AS, Norway

09.15 am **Low-carbon buildings: How representative are LCA results at early design stages?**
DIEGO PEÑALOZA¹, Nadia Al-Ayish²
¹Technical Research Institute of Sweden, Sweden; ²Swedish Cement and Concrete Research Institute, Sweden

09.30 am **Life cycle assessment of urban housing stocks: Development of a GIS-based framework**
ALESSIO MASTRUCCI, Antonino Marvuglia, Enrico Benetto, Ulrich Leopold
Luxembourg Institute of Science and Technology, Luxembourg

09.45 am **Modeling LCA of urban water systems: Public infrastructure management in link with water resource availability**
PHILIPPE LOUBET¹, Philippe Roux²
¹CyVi, ISM, Bordeaux INP, France; ²UMR ITAP, pôle ELSA, Irstea Montpellier, France

10.00 am **Are passive houses really efficient across the whole Life Cycle? Case study of environmental impacts induced by the choice of building materials in energetically efficient buildings**
FREDERIC BOURY¹, Marie Darul²
¹Symoé, France; ²cd2e, France

10.15 am **Discussion**



FOSTERING THE IMPLEMENTATION OF LCA IN THE FOOD AND BEVERAGE SECTOR

LOCATION: AMPHI B

CHAIRS: SEBASTIEN HUMBERT, QUANTIS, SWITZERLAND
YING WANG, INNOVATION CENTER FOR U.S. DAIRY, UNITED STATES OF AMERICA

- 09.00 am **Chemistry meets Nutrition – Amino Acids as advanced technology to improve sustainability of livestock production**
MICHAEL BINDER, Viktoria Scherer, Ranjan Fletcher, Thomas Kaufmann
Evonik Industries AG, Germany
- 09.15 am **Life-cycle assessment on a starch facility in South Africa**
KEVIN G. HARDING, Mpho Macingwane
Industrial and Mining Water Research Unit (IMWaRU), School of Chemical and Metallurgical Engineering, University of the Witwatersrand, Johannesburg, South Africa
- 09.30 am **Life Cycle Management and the U.S. dairy sustainability commitment: Assessing, measuring, mitigating, and communicating the industry's environmental impact**
YING WANG
Innovation Center for U.S. Dairy, United States of America
- 09.45 am **Strengths and limitations of LCA in agricultural products eco-conception: Analysis of an agro-ecological strategy in vine-growing**
GILDAS MEVEL¹, Pierre Compere¹, Philippe Lorenzati²
¹InVivo AgroSolutions, France; ²Qualisol, France
- 10.00 am **Addressing the complexity in LCM of food systems – an integrated approach**
ULF GUNNAR SONESSON, Katarina Lorentzon
SP Technical Research Institute of Sweden, Sweden
- 10.15 am **Discussion**

MAINSTREAMING LCM IN PUBLIC POLICY - II

LOCATION: AMPHI C

CHAIRS: CLARE BROADBENT, WORLD STEEL ASSOCIATION, BELGIUM
MICHELE GALATOLA, EUROPEAN COMMISSION

- 09.00 am **Western Cape Regional Resource Flow Model: Environmentally Extended Input Output Analysis to Inform Public Policy**
PIETER FREDERIK JANSE VAN VUUREN¹, Catherine B Pineo¹, Lauren Basson¹, Jim Petrie², Chris Millson¹
¹GreenCape, Cape Town, South Africa; ²Department of Economic Development and Tourism, Western Cape Government, Cape Town, South Africa
- 09.15 am **Promising options for integrating LCA in policy**
Annekatriin Lehmann¹, MATTHIAS FINKBEINER¹, Clare Broadbent², Russ T. Balzer³
¹Technische Universität Berlin, Germany; ²World Steel Association, Belgium; ³WorldAutoSteel, USA
- 09.30 am **Road to zero: Myth or reality?**
HELENE TEULON, Gentiane Gastaldi
GINGKO 21, France
- 09.45 am **From Cleaner Production To Life Cycle Management In Chile**
Cristián Emhart¹, Alejandro Florenzano¹, Nicolás Westenenk², Sebastián Carvallo², ANDRÉS ROLÓN¹
¹Fundacion Chile, Chile; ²Consejo Nacional de Producción Limpia, Chile;
- 10.00 am **LCA in agricultural policy making: Comparing domestic and imported food**
THOMAS JAN NEMECEK, Maria Bystricky, Martina Alig, Gérard Gaillard
Agroscope, Switzerland
- 10.15 am **Discussion**



PRACTICES FOR HOTSPOTS ANALYSIS AND PRODUCT SUSTAINABILITY

LOCATION: ROOM E

CHAIRS: JAMES FAVA, THINKSTEP, UNITED STATES OF AMERICA
MARK ANDREW BARTHEL, WRAP, UNITED KINGDOM

09.00 am **Introduction to Hotspot Analysis & learnings from UNEP/SETAC Life Cycle Initiative's Mapping of Hotspot Analysis methodologies**
James Fava, Mark Barthel (Session chairs)

09.15 am **The use of life cycle approaches in industry – Experiences, best practices and open questions from various sectors**
Florian Ansgar Jaeger¹, Lea Maria Kemper², Martin Kirchner³, Stephan Krinke⁴, NIKOLAJ OTTE⁵, Peter Saling⁶, Urs Schenker⁷, Daniel Schleifer⁸, Diederik Schowanek⁹, Bettina M. von Streit¹⁰
¹Siemens AG; ²Beiersdorf AG; ³Evonik Industries AG; ⁴Volkswagen AG; ⁵Henkel AG & Co. KGaA; ⁶BASF SE; ⁷Nestlé Research Center; ⁸ThyssenKrupp AG; ⁹Procter & Gamble; ¹⁰Bayer Technology Services GmbH

9.30 am **Session chairs will facilitate the solicitation of input from the audience on questions raised by the speakers and their own questions from their work of Mapping of Hotspot Analysis Approaches in collaboration with UNEP**

HOW COLLABORATIVE RESEARCH ON LIFE CYCLE MAY IMPROVE LCA PRACTICES FOR BUSINESSES: SCORELCA FEEDBACK

LOCATION: ROOM F

CHAIRS: PHILIPPE OSSET, SCORELCA, FRANCE
JADE GARCIA, SCORELCA, FRANCE

09.00 am **How to integrate the spatial dimension in LCA**
CECILE QUERLEU¹, Laure Patouillard^{1,2}, Cecile Bulle², Dominique Maxime², Valerie Patreau², Jade Garcia³, Cecile Beaudard³
¹IFP Energies nouvelles, France; ²CIRAIG, Canada; ³SCORELCA, France

09.15 am **Initial specification of data quality in LCA**
Isabelle Descos¹, BERNARD DE CAEVEL¹, Marc Andree Wolf², Cécile Beaudard³, Jade Garcia³
¹RDC Environment, Belgium; ²Maki Consulting, Germany; ³SCORE LCA, France

09.30 am **Circular economy: Concepts and evaluation methods**
BENOÎT VERZAT², Charlotte Thevenet⁴, Marcial Vargas Gonzales³, Ariane Bussard⁴, Guillaume Masard⁴, Cécile Beaudard¹, Jade Garcia¹
¹SCORELCA, France; ²QUANTIS Lyon, France; ³QUANTIS Paris, France; ⁴SOFIES SAS, FRANCE

09.45 am **Coupling GIS and LCA. What are the possible outcomes for companies?**
Florent Fabien Querini¹, ELORRI IGOS¹, Alessio Mastrucci¹, Enrico Benetto¹, Cécile Beaudard², Jade Garcia²
¹Luxembourg Institute of Science & Technology (LIST), Luxembourg; ²SCORELCA, France

10.00 am **Discussion**



Schedule

WEDNESDAY, SEPTEMBER 2

11.00 am – 12.30 pm

LUNCH AND POSTER SESSION || THEMATIC LUNCH SESSION BY QUANTIS

12.30 pm – 02.00 pm

DEALING WITH FOOD WASTE IN LCA AND LCM

LOCATION: AMPHI A

CHAIRS: STEVEN B YOUNG, UNIVERSITY OF WATERLOO, CANADA
MARTIN BAITZ, THINKSTEP, GERMANY

- 11.00 am **ONE TWO WE – Life cycle management in canteens together with suppliers, customers and guests**
NIELS JUNGBLUTH, Regula Keller
ESU-services Ltd., Switzerland
- 11.15 am **Quantification of environmental impacts (carbon footprint, water footprint and land use) of lost and wasted food at global level**
Olivier Jan, CLÉMENT TOSTIVINT, Perrine Lavelle
Deloitte, France
- 11.30 am **LCM for Food and Beverages**
Daesoo Kim¹, GREG THOMA¹, Shalene McNeill²
¹University of Arkansas, United States of America; ²National Cattlemen's Beef Association, United States of America
- 11.45 am **Evaluating food waste prevention strategies by means of Input-Output LCA**
Massimo Pizzol, Manuel Campos, Paulo Silva, JANNICK SCHMIDT
Aalborg University, Denmark
- 12.00 am **Food wastage prevention: What are we really avoiding? – an LCA-based approach**
ALBA CÁNOVAS CREUS, Anna Bernstad, Rogerio Valle
SAGE/COPPE/UFRJ, Brazil
- 12.15 am **Discussion**



FROM BUILDING DESIGN TO DISTRICT EVALUATION WITH LCM

LOCATION: AMPHI B

CHAIRS: HELENE TEULON, GINGKO 21, FRANCE
NICOLAS SALMON, NOBATEK, FRANCE

- 11.00 am **Application of life cycle assessment in urban projects**
Bruno Peuportier, CHARLOTTE ROUX
ARMINES, France
- 11.15 am **More Value, Less Impact: Sustainable Value Creation in Construction Industry**
CLARA FIÚZA, Catalina Estevez, Mark Schneider
Sika Services AG, Switzerland
- 11.30 am **Lessons learned from establishing an environmental benchmark for residential buildings**
Rolf Frischknecht¹, Franziska Wyss¹, Katrin Pfaeffli², Viola John³, LAURA TSCHUEMPERLIN¹
¹treeze Ltd., Switzerland; ²Preisig Pfäffli Architekten, Switzerland; ³ETH Zurich, Chair of Sustainable Construction, Switzerland
- 11.45 am **Environmental and social evaluation of the new district of Txomin Enea (San Sebastian) and investigation of optimisation scenarios**
Xabat Oregi Isasi¹, Lara Mabe Gomez¹, MAXIME POUSSE², Marc Lotteau², Jon Gastañares Lizarriturri³
¹Tecnalia Research & Innovation, Spain; ²NOBATEK, France; ³San Sebastian City Council, Spain
- 12.00 pm **The Norpac life cycle management approach: Step by step assessment of different design building stages by LC Manager**
Romain Charriere, LAURE DUCOULOMBIER
Norpac, France
- 12.15 pm **Discussion**

LCM AND THE END OF LIFE OF PRODUCTS AND MATERIALS - I

LOCATION: AMPHI C

CHAIRS: ALLAN ASTRUP JENSEN, NIPSECT, DENMARK
GERALD REBITZER, AMCOR, SWITZERLAND

- 11.00 am **Obstacles and opportunities to mainstream Life Cycle Management of End of Life sector throughout supply chains: Lessons learnt in Northern France**
Marc Haquette¹, NAEEM ADIBI², Vanessa Pasquet²
¹cd2e, France; ²[avniR] by cd2e, France
- 11.15 am **Integration of Life Cycle Assessment and Multi-Criteria Analysis for improved policy guidance in organic waste management**
ANA CAROLINA ANGELO¹, Anna Bernstad², João Carlos Clímaco³, Rogerio Valle⁴
¹COPPE UFRJ, Brazil; ²COPPE UFRJ, Brazil; ³University of Coimbra, Portugal; ⁴COPPE UFRJ, Brazil
- 11.30 am **LCA and eco-efficiency of advanced wastewater treatment to remove micro pollutants**
FREDY DINKEL¹, Thomas Kägi¹, Rita Hochstrat², Thomas Wintgens²
¹Carbotech and FHNW, Basel, Switzerland; ²University of applied science North Western Switzerland, Muttenz, Switzerland
- 11.45 am **Allocation formula for recycling and co-production in all product sectors**
DIEUWERTJE SCHRIJVERS^{1,2}, Guido Sonnemann^{1,2}
¹Cyvi, ISM, University of Bordeaux, France; ²ISM, CNRS, France
- 12.00 pm **Design for recycling at Steelcase: Expertise and lessons learned from a pro-active office furniture company**
SEBASTIEN ZINCK¹, Edouard Carteron¹, Raphael Stermann²
¹Steelcase, France; ²Steelcase, Germany
- 12.15 pm **Leveraging Public Procurement for Management of End-of-Life Products in India**
SANJAY KUMAR
DFCCIL, Ministry of Railway, Government of India., India



BUSINESS-GOVERNMENT DIALOGUE ON LIFE CYCLE THINKING FOR SUSTAINABILITY

LOCATION: ROOM E

CHAIRS: LLORENC MILA I CANALS, UNEP, FRANCE
ASHOK KUNAR PAVADIA, MINISTRY OF HOME AFFAIRS, GOVERNMENT OF INDIA

11.00 am **Introduction**

11.15 am **LCM implementation through partnerships between public and private sectors**

OSCAR ALBERTO VARGAS MORENO
Secretaría Distrital de Ambiente, Colombia

11.30 am **National dialogue between business and government on Environmental Footprint to support development and implementation**

Sara Palander¹, Eva Ahlner², Anita Lundström², Katarina Lorentzon³, ELLEN RIISE⁴, Karin Sanne⁵, Klas Hallberg⁵, Elin Eriksson⁶
¹the Swedish Life Cycle Center/Chalmers University of Technology, Sweden; ²Swedish Environmental Protection Agency; ³SP Technical Research Institute of Sweden, Food and Bioscience; ⁴SCA Hygiene Products AB; ⁵AkzoNobel; ⁶IVL Swedish Environmental Research Institute

11.45 am **Industry perspective to the implementation of Sustainable Production and Consumption tools in Mexico**

NYDIA SUPPEN
Center For Lca And Sustainable Design, Mexico

12.00 pm **Collaborative Activities between Business Sectors and Policy Makers for Sustainable Consumption and Production in Japan**

MASAHIKO HIRAO^{1,2}
¹The University of Tokyo, Japan; ²Green Purchasing Network, Japan

12.15 pm **Discussion**

PRACTICAL APPLICATIONS OF ADVANCED LCA TO LCM - I

LOCATION: ROOM F

CHAIRS: STEPHAN PFISTER, ETH ZURICH, SWITZERLAND
ANNIE LEVASSEUR, CIRAI, ÉCOLE POLYTECHNIQUE DE MONTRÉAL, CANADA

11.00 am **Regionalized assessment using LC IMPACT and ecoinvent: Case study of electricity production**

CHRISTOPHER L MUTEL
Paul Scherrer Institute, Switzerland

11.15 am **Refining the spatial resolution of water footprint characterization factors to identify new Life Cycle Management levers: Application to the water resources used for drinking water production in Paris area**

JEAN-BAPTISTE BAYART¹, Denis Chanteur², Philippe Loubet³, Anne Lang⁴
¹Quantis, France; ²Veolia Eau d'Ile de France, France; ³CyVi, ISM, Bordeaux INP, France; ⁴Syndicat des Eaux d'Ile de France, France

11.30 am **Regionalization of water consumption and the effect on water footprint results for hydro-power**

INGUNN SAUR MODAHL¹, Hanne Lerche Raadal¹, Tor Haakon Bakken², Kolbjørn Engeland³
¹Ostfold Research, Norway; ²Norwegian University of Science and Technology (NTNU), Norway; ³University of Oslo, Norway

11.45 am **Regionalised LCIA implementation in LCA software for decision-making analysis in LCM**

CRISTINA RODRÍGUEZ, Andreas Ciroth
GreenDelta GmbH, Germany

12.00 pm **Inventories regionalization: The Brazilian experience on agribusiness**

MARILIA IEDA DA S. FOLEGATTI MATSUURA¹, Fernando Rodrigues Teixeira Dias², Juliana Ferreira Picoli³, Cassia Maria Lie Ugaya⁴, Maria Clea Brito de Figueiredo⁵
¹Embrapa Meio Ambiente, Brazil; ²Embrapa Pantanal, Brazil; ³Unicamp, Brazil; ⁴Universidade Federal do Parana, Brazil; ⁵Embrapa Agroindustria Tropical, Brazil

12.15 pm **Discussion**



Schedule

WEDNESDAY, SEPTEMBER 2

02.00 pm – 03.00 pm

WEDNESDAY
02.00 pm – 03.00 pm

LCM AND COMMUNICATION

LOCATION: AMPHI A

CHAIRS: ANNE-MARIE TILLMAN, CHALMERS UNIVERSITY OF TECHNOLOGY, SWEDEN
MARY ANN CURRAN, BAMAC, LTD., UNITED STATES OF AMERICA

02.00 pm **A Communication Tool for Sales Forces in BtoB Market**
Xavier Durieux¹, HELENE TEULON², Gentiane Gastaldi²
¹Orange Business Services, France; ²GINGKO 21, France

02.15 pm **Sustainability-related communication and decision-making in design of automotive production lines**
NIKI BEY, Lucía I. Clemente Márquez, Jan-Markus Rödger
Technical University of Denmark, Denmark

02.30 pm **How to communicate and drive LCM thinking – a case study with the global manganese industry**
Mohammed Ali¹, LUKE WESTFALL¹, Julia Davourie¹, Doreen Mc Gough²
¹Hatch Ltd., Canada; ²International Manganese Institute, France

02.45 pm **From the Functional Unit to the retailing unit: ADEME proposal to allocate the impacts of the goods and services involved in the use phase to the product targeted for labelling**
OLIVIER RETHORE
ADEME, France



PRACTICAL APPLICATIONS OF ADVANCED LCA TO LCM - II

LOCATION: AMPHI B

CHAIRS: STEPHAN PFISTER, ETH ZURICH, SWITZERLAND
ESKINDER DEMISSE GEMECHU, UNIVERSITY OF BORDEAUX, FRANCE

- 02.00 pm **Dynamic Life Cycle Assessment modeling of the use phase: The case of a school**
EMIL POPOVICI, Enrico Benetto
Luxembourg Institute of Science and Technology, Luxembourg
- 02.15 pm **Geopolitical trading risks in petrochemical industries of the carbon fiber supply chain**
Eskinder D. Gemechu¹, CHRISTOPH HELBIG², Baptiste Pillain¹, Andrea Thorenz², Axel Tuma²,
Guido Sonnemann¹
¹CyVi, ISM, University of Bordeaux, France; ²Resource Lab, University of Augsburg, Germany
- 02.30 pm **Improving biogas value chains through actor collaboration and life cycle models**
KARI-ANNE LYNG, Ingunn Saur Modahl, Aina Stensgård
Østfoldforskning, Norway
- 02.45 pm **Discussion**

LCM AND THE END OF LIFE OF PRODUCTS AND MATERIALS - II

LOCATION: AMPHI C

CHAIRS: ALLAN ASTRUP JENSEN, NIPSECT, DENMARK
EMMA REX, SP TECHNICAL RESEARCH INSTITUTE OF SWEDEN, SWEDEN

- 02.00 pm **Comparison of two End-of-Life approaches in the background of LCA – PEF formula vs. Multi-Recycling-Approach**
MARCO MENGARELLI¹, Kirana Wolf², Sabrina Neugebauer², Matthias Finkbeiner², Michele Germani¹
¹Università Politecnica delle Marche, Italy; ²Technische Universitae Berlin, Germany
- 02.15 pm **Where should we be using recovered PET? A dynamic life cycle model of PET flows in the US economy for environmental decision support for water bottle manufacturers**
Pascal Lesage¹, Pierre-Olivier Hays¹, Urs Schenker², MANUELE MARGNI¹
¹CIRAIG, Polytechnique Montréal, Canada; ²Nestlé Research Center
- 02.30 pm **An ISO-conform family of End-of-Life formulas for life cycle based product declarations and ecodesign purposes**
MARC-ANDREE WOLF¹, Kurt Buxmann², Christian Leroy³, Kirana Chomkhamsri⁴, Staf Laget⁵
¹maki Consulting, Germany; ²Private consultant, Switzerland; ³European Aluminium Association, Belgium; ⁴P.P.P. Intertrader, Thailand; ⁵Umicore, Belgium
- 02.45 pm **Discussion**



MAINSTREAMING LCM AROUND THE WORLD THROUGH ECOINNOVATION

LOCATION: ROOM E

CHAIRS: SONIA VALDIVIA, WOLRD RESOURCES FORUM, SWITZERLAND
PHILIP STROTHMANN, FSLCI, GERMANY

- 02.00 pm **A collective contribution to improve ecoinnovation management inside companies**
Edouard Carteron¹, ANDRÉ FALCHI², Gentiane Gastaldi³, Christian Longet⁴
¹Steelcase, France; ²Etxeterra, France; ³Gingko 21, France; ⁴Parkeon, France
- 02.10 pm **Original Methodology based on LCA for Environmental Assessment of products**
VÉRONIQUE ANDRIES, Mélanie Bordignon, Marie-Jeanne Robert
Alstom Transport, France
- 02.20 pm **The potential of LCM to mainstream bottom-up eco-innovation and alternative thinking**
MICHELE DE ROSA¹, Agneta Ghose²
¹Aarhus University, Department of Agroecology, Denmark; ²Massey University, Institute of Agriculture and Environment, New Zealand
- 02.30 pm **Ecodesign and Ecoinnovation in Latin America**
NYDIA SUPPEN¹, Alejandro Chacon²
¹Center for LCA and sustainable design, Mexico; ²Ecodiseño Chile, Chile
- 02.40 pm **Assessing circular economy approaches by Life Cycle Management (LCM)**
MELANIE GUITON, Enrico Benetto, Alina Belousova
Luxembourg Institute of Science and Technology, Luxembourg
- 02.50 pm **Discussion**

LCM FOR TEXTILES AND LEATHER PRODUCTS

LOCATION: ROOM F

CHAIRS: CHRISTÈLE MERTER, HAPPYCHIC, FRANCE
ANNE PERWUELZ, ENSAIT, FRANCE

- 02.00 pm **A distributed system for traceability and sustainability assessment of leather shoes supply chains**
Michele Germani, MARCO MARCONI, Eugenia Marilungo, Alessandra Papetti
Università Politecnica delle Marche, Italy
- 02.15 pm **Mainstreaming Life Cycle Management in Indonesian Small and Medium Enterprise for a Sustainable Batik Textile**
GHITA YOSHANTI^{1,2}, Kiyoshi Dowaki²
¹School of Business and Management ITB, Indonesia; ²Tokyo University of Science (TUS), Japan
- 02.30 pm **Improving a textile supply chain by assessing the social impacts of a textile product**
MARIE VUAILLAT, Stéphane Le Pochat
EVEA, France
- 02.30 pm **Using the planetary boundaries for evaluating interventions for impact reduction in the clothing industry**
Gustav Sandin¹, Sandra Roos², BAHAREH ZAMANI³, Greg M. Peters³, Magdalena Svanström³
¹SP Technical Research Institute of Sweden, Sweden; ²Swerea IVF, Sweden; ³Chalmers University of Technology, Sweden
- 02.45 pm **Danish apparel sector natural capital account**
MARIE DE SAXCÉ¹, Jannick Schmidt¹, Caroline Bartlett², Steven Bullock², Rune Jørgensen³, Niels Karim Høst-Madsen³
¹LCA Consultants, Denmark; ²Trucost, England; ³NIRAS, Denmark



Schedule

WEDNESDAY, SEPTEMBER 2

03.00 pm – 04.30 pm

WEDNESDAY
03.00 pm – 04.30 pm

TALK SHOW: STRENGTHENING THE TRANSITION TO CIRCULAR ECONOMY BY LCM

LOCATION: AMPHI A

MODERATOR: JODIE BRICOUT, CD2E, FRANCE

03.00 pm Sangwon Suh, International Ressource Panel

Ludovic Dariol, Airbus DS

Siebe Trompert, Philips

04.00 pm Awards for best posters and best platform presentations

Guido Sonnemann, ISM-CyVi – University of Bordeaux (Chair, LCM2015)

04.15 pm Presentation of LCM2017

Enrico Benetto, Head of RDI unit at Luxembourg Institute of Science and Technology (Chair, LCM2017)

04.20 pm Concluding remarks and summary of LCM2015

Guido Sonnemann, ISM-CyVi – University of Bordeaux

Manuele Margni, CIRAIG – Polytechnique Montréal

Naeem Adibi, [avniR] by cd2e

