

## Parallel Session Schedule

Day 1 – 15<sup>th</sup> April 2024

### 10:15 Parallel sessions

	Main Room	Room 1
	<b>Working &amp; collaborating with Data</b>	<b>LCA in the energy sector I</b>
	<b>Chairs</b> Alexander Koch Bach Tran	<b>Chairs</b> Shravya Hebburmurali Ash Hamed
10:15 - 10:30	<b>Development of a data migration interface for interoperability between GREET and openLCA</b> Longwen Ou, Argonne National Laboratory, US	<b>Decarbonizing Direct Air Capture with Solar Power</b> Enric Prats-Salvado, Institute of Future Fuels - Part of German Aerospace Center (DLR), Germany
10:30 - 10:45	<b>Using USLCI and Federal LCA Commons Resources in openLCA</b> Paige Weiler, Eastern Research Group, Inc., US	<b>Is the PV modules assembly an ecofriendly process?</b> Valeria Vazquez, National Autonomous University of Mexico, Mexico
10:45 - 11:00	<b>Optimizing Lifecycle Inventory Databases through AI-Enabled Semantic Analysis and Data Integration Techniques</b> Huimin Chang, Tsinghua University, China	<b>LCA of an Energy Community with Redox Flow Battery: Exploring Variations in Electricity and Heat Supply</b> Eva-Maria Wiener, University of Applied Sciences Burgenland, Austria
11:00 - 11:15	<b>Integrating OpenLCA and AWS Sustainability Insights Framework to enable Corporate Carbon Accounting</b> William Sia, Amazon, -	<b>The impact of ecodesign measures for PEM fuel cell stacks on social life cycle impact indicators</b> Jure Gramc, University of Ljubljana, Slovenia
11:15 - 11:30	<b>How to model chemical reactions with secondary data in openLCA: A general modelling approach based on metal-organic frameworks</b> Conrad Spindler, GreenDelta GmbH, Germany	<b>Comparative Life Cycle Analysis (LCA) of novel NiZn battery technology from Cradle to Grave</b> Ashwani Kumar Malviya, School of Civil Engineering, Universitat Politècnica de València, Spain

### 12:00 Parallel sessions

	Main Room	Room 1
	<b>Let's discuss over LCA (advanced topics)</b>	<b>LCA in the energy sector II</b>
	<b>Chairs</b> Kirill Maister Loay Radwan	<b>Chairs</b> Shravya Hebburmurali Francois Le Rall
12:00-12:15	<b>Overview on new and upcoming ISO documents related to LCA modelling</b> Lenka Wimmerova, Czech University of Life Sciences Prague, Czech Republic	<b>Joint GREET and openLCA to guide the flexible energy layouts for sustainable transportation: a well-to-wheel case study of methanol and hydrogen fuel cell vehicles</b> Jiaxuan Li, Chongqing University, China
12:15-12:30	<b>Why Model Net-Positive Environmental Benefits</b> Delwyn Jones, Evah Associates, Australia	<b>Environmental impact analysis for electric bus batteries including second-life application.</b> Harini Hewa Dewage, Hitachi Europe GmbH, Germany/UK
12:30-12:45	<b>Approaches to Uncertainty Analysis in the Environmental Impact Assessment of Pavement Maintenance and Rehabilitation Alternatives</b> Tomas Navarrete, University of Twente, Netherlands	<b>Ecological risks and opportunities of biological methanation in power-to-methane systems</b> Nora Elhaus, Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany
12:45-13:00		<b>Parametric Life Cycle Inventory of energy systems applied to geothermal resources</b> Claudio Zuffi, University of Florence, Italy

## 15:00 Parallel sessions

	Main Room	Room 1
	<b>Hydrogen Systems: case studies &amp; guidelines</b>	<b>Learning about sustainability in food systems</b>
	<b>Chairs</b> Ash Hamed Loay Radwan	<b>Chairs</b> Raphael Zimmermann Sarah Serafini
15:00-15:15	<b>Defining Comprehensive Guidelines for Lifecycle Sustainability Assessment of Fuel Cell Hydrogen Systems: Environmental and Social Dimensions</b> Ashrakat Hamed, GreenDelta GmbH, Germany	<b>Life cycle assessment of cultured meat: Mapping of an unknown system</b> Derrick Risner, University of California, Robert Mondavi Institute for Wine and Food Science, US
15:15-15:30	<b>openLCA in SH2E: A dedicated tool for Life Cycle Sustainability Assessment of Hydrogen Systems</b> Andreas Ciroth, GreenDelta GmbH, Germany	<b>Overall Sustainability Assessment of large-scale salmon farming systems</b> Petridi Angeliki, Dignity Private Company, Greece
15:30-15:45	<b>Up-to-date guidelines for life cycle sustainability assessment of hydrogen energy systems.</b> Diego Iribarren, IMDEA Energy, Spain	<b>Life Cycle Assessment of Basse Brazil Nuts</b> Rajhans Negi, Porter School of Environment and Earth Sciences Tel Aviv University, Israel
15:45-16:00	<b>Life cycle sustainability assessment of hydrogen from solid oxide electrolysis coupled with a concentrated solar power plant</b> Diego Iribarren, IMDEA Energy, Spain	<b>Hotspot Analysis of Keratin Production from Chicken Feather Waste</b> Rafael Marques Vanderlei, Federal University of Sao Carlos, Brazil
16:00-16:15	<b>SH2E project : Case study application : FCEV and BEV</b> Jade Garcia, Symbio, France	<b>Life cycle assessment of mid-scale production of beverages distilled from Agave in different regions of Mexico</b> César Camou, EarthShift Global LLC. Kittery, US
16:15-16:30	<b>Applying a new resource indicator to manufacturing of water electrolysis cells</b> Andreas Ciroth instead of instead of Christina Wulf, Forschungszentrum Jülich, Germany	<b>Synergy between LCA and AMC for more science-based informed decisions: a case study in agrifood mountain value chains</b> Fabrizio Mazzetto, Free University of Bozen/Bolzano, Italy

Day 2 – 16<sup>th</sup> April 2024

## 10:30 Parallel sessions

	Main Room	Room 1
	<b><i>Tools for sustainability: a smarter way for assessments I</i></b>	<b><i>LCA in Industry</i></b>
	<b>Chairs</b> Sebastian Greve Francois Le Rall	<b>Chairs</b> Friedrich Halstenberg Tomas Slany
10:30-10:45	<b>openLCA in Education: Evaluating the potential of ChatGPT 4.0 and user interface enhancement to support product lifecycle assessment</b> Clemence Granade, McGill University, Canada	<b>Illuminating the Transition: Leveraging Life Cycle Assessment for Circular Economy-Centric Advancements in Automotive Headlamp Design</b> Alexander Flekler, Fraunhofer-Institut für Entwurfstechnik Mechatronik IEM, Germany
10:45-11:00	<b>openLCA and OpenSemanticLab - Autocreate Inventories from Scientific Knowledge Graphs</b> Simon Stier, Fraunhofer Institut für Silicatforschung, Germany	<b>Environmental Assessment of Interior Components in Vehicle through openLCA</b> Hee-Sun Cho, Korea Electronics Technology Institute, Korea
11:00-11:15	<b>Automation of agri-food systems environmental impact calculations with MEANS-InOut and OpenLCA</b> Caroline Malnoë, INRAE, MEANS Platform, France	<b>Social LCA for textile supply chains</b> Jutta Hildenbrand, Research Institutes of Sweden RISE AB, Sweden
11:15-11:30		<b>Small Change big impact: A comparative LCA of disassembly with recycling methods of closed loop denim</b> Rawaa Ammar, Resortecs (Chief Sustainability & Impact Officer), Belgium

## 12:00 Parallel sessions

	Main Room	Room 1
	<b><i>Tools for sustainability: a smarter way for assessments (tools) II</i></b>	<b><i>LCA in Industry</i></b>
	<b>Chairs</b> Sebastian Greve Francois Le Rall	<b>Chairs</b> Friedrich Halstenberg Tomas Slany
12:00-12:15	<b>Automated generation of Life Cycle Assessment models from enterprise data</b> Nils Weiher, Fraunhofer Institute for Production Systems and Design Technology (IPK), Germany	<b>Advancing Circular Economy strategies in urban construction using a combined MFA and LCA approach.</b> Daniel Horak, Austrian Institute of Technology (AIT), Austria
12:15-12:30	<b>OpenLCA Integrated tool to Environment for modelling, Simulation and Optimization</b> Simone Miyoshi, Universidade Federal do Rio de Janeiro, Brazil	<b>Life Cycle Sustainability Assessment of Industrialized Renovation Solutions</b> Friedrich Hastenberg, GreenDelta GmbH, Germany
12:30-12:45	<b>Automatized LCA of Parametrizable Passenger Car Glider Models</b> Philipp Weber, Karlsruher Institut für Technologie (KIT), Germany	<b>Life Cycle Analysis of Laparoscopic Scissors: Evaluating Environmental Impact and Circular Strategies for Carbon Reduction</b> Pete Culmer, School of Mechanical Engineering, University of Leeds, UK
12:45-13:00		<b>A screening assessment of biodiversity impacts for large organizations: an LCA approach.</b> Maria E. Correa-Cano, Environment & Sustainability Institute, University of Exeter, UK

## 16:15 Parallel sessions

	Main Room	Room 1
	<b>LCA Methods &amp; inventory</b>	<b>LCA in polymers and chemistry</b>
	<b>Chairs</b> Julia Gutke Mubeena Chathanchira	<b>Chairs</b> Jonas Hoffmann Conrad Spindler
16:15-16:30	<b>How to best assess sustainability within the framework of Life Cycle Sustainability Assessment. Indicators that need to be assessed in the sake of sustainability</b> Alexander Griebler, Montanuniversität Leoben, Austria	<b>Study of Carbon Capture Utilization and Storage Implementation Potential on Ammonia Production in Indonesia using Life Cycle Assessment Approach</b> Agus Adi Putra, Chalmers University, Sweden
16:30-16:45	<b>Nature Positive Environmental Declarations</b> Mathilde Vlieg, Evah Associates, Australia	<b>Life Cycle Assessment of Kerosene from HEFA Process</b> Pablo Silva, Technical University of Munich, Germany
16:45-17:00	<b>The Crucial Role of HVAC Life Cycle Inventory Templates</b> Scott Unger, Pacific Northwest National Laboratory, USA	<b>Microplastic emissions from rubbers in LCA: A case study on artificial turf football pitches</b> Lukas Zeilerbauer, ENERGIEINSTITUT AN DER JOHANNES KEPLER UNIVERSITÄT LINZ, Austria
17:00-17:15	<b>Towards a general framework for integrating concrete work noise impact in BIM-life cycle assessment method</b> Rabaka Sultana, Charles Darwin University, Australia	<b>The Role of n-Generation Carbon Sources on Environmental Footprints of Biodegradable Polyesters Produced by Fermentation</b> Guilherme Castro Dela Corte, Federal University of São Carlos (UFSCar), Brazil
17:15-17:30	<b>Holistic and Integrated Life Cycle Sustainability Assessment: Background, Methods and Results from Two Case Studies</b> Walther Zeug, Helmholtz-Zentrum für Umweltforschung GmbH, Germany	<b>Increasing transparency for inventory data of plastic production by modeling the olefin supply chain</b> Jonas Hoffmann, GreenDelta GmbH, Germany