

ROOM 1 ) THEATER			
SESSION TITLE	ID	PRESENTER	PRESENTATION TITLE
08:30-09:15 breakfast & registration			
09:15-09:30 Welcome by Julia Cilleruelo Palomero, GreenDelta			
09:30-10:00 Keynote: “openLCA in our times” by Andreas Ciroth, GreenDelta			
10:00-11:15			
LCA for policy and infrastructure	91	Éricles Vale Nascimento, UNICAMP	Inventory construction and life cycle impact assessment to the Brazilian transition in iron ore feed for blast furnace
Chairs: Friedrich Halstenberg, Michael Niggli	98	Juliane Elsner, RWTH Aachen	Implementation potential of LCA for discrete manufacturing companies
	137	Abdullah Qaban, Newcastle University	Comparing the life cycle assessment of the end-of-life phase of a semi-detached house in the UK and Saudi Arabia
	90	Hao Xu, University of Exeter	Life Cycle Environmental Impacts of Urban Water Systems in China
	43	Catherine Scott, Decerna	UK Manufacturing's CBAM Preparedness Crisis: Findings from National Implementation Support
11:15-11:45 coffee break			
11:45-13:00			
EPDs in a changing world	55	Maria Fedec Mateu, Re-Viu	EPDs over time: The case study of Riventi Fachadas Estructurales using openLCA
Chairs: Ashrakat Hamed, Aurelia Paternostro	75	Tia Morgan, Decerna	Regional EPD and CBAM capacity building using openLCA: Lessons from UK SME Implementation
	87	Ben Ciavola, WAP Sustainability	The role of openLCA in North American EPDs and public procurement
	146	Monica Garcez, Fundação Luiz Englert	Perspectives on the development and implementation of environmental impact communication in the Brazilian road infrastructure sector
	58	Marvin Gornik, EurA AG	Setting New Benchmarks: EPD Development for Cellulose Ethers with openLCA
13:00-14:30 lunch break (at restaurant)			
14:30-15:30 poster highlight presentations by Jonas Hoffmann, Shravya Hebbur Murali			
15:30-16:30			
openLCA Tools and Integration I	133	Felix Siems, Fraunhofer IEM	Automating Life Cycle Assessment with Python Integration via OLCAClient and Large Language Models for higher efficiency in environmental data management
Chairs: Friedrich Halstenberg, Michael Niggli	12	Hamza Bassam, oose eG	Automated Life Cycle Analysis using the System Modeling Language v2 and OpenLCA
	44	Raphael Zimmermann, GreenDelta	LCA4Sim – Bringing CADMOULD and openLCA together to facilitate predictive life cycle assessments in the injection molding industry
	78	Tony Schoen, Hogeschool van Amsterdam	Exploring the Integration of openLCA in Higher Education: lessons learned from the M. Sc. Programme Urban Technology at the Amsterdam University of Applied Sciences.
16:30-16:45 break			
16:45-17:30			
openLCA Tools and Integration II	85	Julia Cilleruelo Palomero, GreenDelta	PRIMUS' LCA tools with the connection to a traceability system
Chairs: Conrad Sprindler, Tom Hostekind	77	François Le Rall, GreenDelta	onlineLCA, scaling LCA for non-specialists
	71	Friedrich Halstenberg, GreenDelta	EcoOptiPack – Using openLCA and onlineLCA for an easy-to-use assessment tool for plastic packaging

ROOM 2 ) SEMINAR ROOM			
SESSION TITLE	ID	PRESENTER	PRESENTATION TITLE
08:30-09:15 breakfast & registration			
09:15-09:30 Welcome by Julia Cilleruelo Palomero, GreenDelta			
09:30-10:00 Keynote: “openLCA in our times” by Andreas Ciroth, GreenDelta			
10:00-11:15			
Social LCA	73	Angeliki/Christina Konsta/Doliani, DReVen Greece	Advancing Social Life Cycle Assessment (S-LCA) in Rural Africa: Methodological Insights and Applications from the H2020 BioAfrica Project
Chairs: Shravya Hebbur Murali, Sally Springer	18	George Tsalidis, Imperial College London	Social risks of Dutch and Greek economies
	16	Joana Ortigueira, Laboratório Nacional de Energia e Geologia IP	Evaluating social impacts in microalgal biorefineries: A PSILCA-based Social-LCA approach
	106	Jutta Hildenbrand, RISE Research Institutes of Sweden AB	Enduring physical hazards and related risks at work - broadening the view on health and safety aspects in PSILCA
	130	Tomas Navarrete Gutierrez, Luxembourg Institute of Science and Technology	Enhancing the interoperability of the SOCA database for social LCA
11:15-11:45 coffee break			
11:45-13:00			
Circular Economy	104	Anish Koyamparambath, University of Bordeaux	Using the Circularity Package for openLCA to implement the comprehensive Orienting framework covering LCSA as well as resource circularity and criticality for the case of direct recycling of lithium iron phosphate (LFP) batteries
Chairs: Julia Cilleruelo Palomero, Ebyan Rezgui	125	Ebyan Rezgui, GreenDelta	Cradle-to-Grave Life Cycle Assessment of Novel Hybrid Glass-Metal Fibre Reinforced Polymer Composites – Comparing the Environmental Impact of Recycling Technologies with Conventional Disposal Routes
	59	Naila Rana Andira, OFFIS	Lifecycle Modeling of Repair vs. Remanufacturing. Evaluating Circular Economy Practices for Automotive Electronics
	121	Silvia Parrilla Lahoz, Surrey University	Advancing Microfiber Waste Treatment: LCA of Thermochemical Upcycling of laundry microfibers from TRL3–TRL4.
	117	Vincenzo Senatore, European Commission Joint Research Centre	Assessment of the environmental impact of destroyed unsold products
13:00-14:30 lunch break (at restaurant)			
14:30-15:30 poster highlight presentations by Jonas Hoffmann, Shravya Hebbur Murali			
15:30-16:30			
Broader Sustainability Assessments	74	Alexander Koch, GreenDelta	Applying system dynamics sustainability assessments (SDSA) to assess circular economy solutions in cities and regions
Chairs: Ebyan Rezgui, Julia Cilleruelo Palomero	65	Edwin Botha, University of the Witwatersrand	Application of the “at the point of substitution” system model for end-of-life recycling of a corrugated box with multifunctional applications.
	84	Julia Cilleruelo Palomero, GreenDelta	LCSA and beyond: a demonstrator case study using LCSA, plastic littering, circularity and system dynamics for the PRIMUS project
	96	Walther Zeug, Helmholtz-Centre for Environmental Research (UFZ)	Exploring New Frontiers in Absolute Sustainability: Cybernetic Democratic Economic Planning

ROOM 1 ) THEATER				ROOM 2 ) SEMINAR ROOM				ROOM 3 ) ATELIER				
SESSION TITLE	ID	PRESENTER	PRESENTATION TITLE	SESSION TITLE	ID	PRESENTER	PRESENTATION TITLE	SESSION TITLE	ID	PRESENTER	PRESENTATION TITLE	
08:45-09:15 breakfast & registration												
09:15-10:00 <b>Keynote: "Bridging Material Science and Life Cycle Assessment: Integrating Sustainability from the Start" by Simon Stier, Fraunhofer ISC</b>												
10:00-11:15	<b>Advancing LCA Databases and LCIA I</b>	89	Jianchuan Qi, Tsinghua University	Advancing LCA Data for a Harmonized Future: Updates on the TianGong Initiative and Database	<b>Food and Agriculture I</b>	136	Federica Volpe, Alma Mater Studiorum - University of Bologna	Assessment of the environmental impacts of EU broiler chicken production depending on the reduction of dietary protein-to-energy ratio and geographical origin of soybean				
	Chairs: Kirill Maister, Raphael Zimmermann	153	Arne Kaetelhoen, Carbon Minds GmbH	New Data for OpenLCA: Expanding Coverage for Chemicals & Plastics	Chairs: Sarah Serafini, Tom Hostekind	68	Georgios Lanaras-Mamounis, DREVen Greece	Assessing the environmental impacts of small-scale biobased technologies in the African context through LCA: The case of BIO4AFRICA Project				
		15	Xiao Zhunya and Johnson Gui, EC-Digital	Parameterized model and region-level life cycle inventory database development for electricity in China		38	Nihal Singh Khangar, IIT Indore	Environmental Impact Analysis of Crop Residue Burning in Madhya Pradesh: A Multivariate Comparison across Key Crops				
		110	Andreas Ciroth, GreenDelta	The MSDB in comparison to other databases		17	Anna Kerps, Fraunhofer UMSICHT	Optimizing Meat Packaging: Integrating Shelf-Life Modeling into OpenLCA for Sustainable Packaging of Perishable Foods				
		152	Jonas Goßen, Carbon Minds GmbH	Automated LCI Data Generation for Fine Chemicals via Retrosynthesis								
11:15-11:45 coffee break / posters												
11:45-13:00	<b>Advancing LCA Databases and LCIA II</b>	131	Tomas Navarrete Gutierrez, LIST	Advantages of Software-Agnostic DSL to tackle reproducibility LCA Databases	<b>Food and Agriculture II</b>	119	Jonas Walker and Julian Deventer, followfood GmbH	Open Source LCA Toolbox for Seafood	<b>Alternative materials</b>	42	Helen Brown, Decerna	Life Cycle Assessment of an Innovative Composite Utility Pole: Environmental Benefits of Replacing Creosote-Treated Wood
	Chairs: Raphael Zimmermann, Kirill Maister	103	Andreas Ciroth, GreenDelta	A different way of mapping LCA elements, and why this is better	Chairs: Sarah Serafini, Tom Hostekind	81	Leo Dyaji,	Waste to Wealth: Leveraging openLCA for Policy and Practice in Urban Farming Through Optimized Composting	Chair: Ebyan Rezgui, Michael Niggli	76	Divya Dharshini Uma Shankar, DTU Biosustain	Ocean Water-Driven Microbial Cellulose for Sustainable Biomanufacturing
		120	Lingjie Ji, GreenDelta	Development of a method for validating life cycle assessment data		56	Gladys Castillo Leal, Decerna	The importance of infrastructure within LCA of microalgae production and processing facilities		57	Jonathan Forbes, Decerna	Algae in Action: Life Cycle Assessment of Brilliant Planet's Carbon Capture system
		101	Anish Koyamparambath, University of Bordeaux	The GeoPolRisk Tool to develop Characterization Factors for Supply Risk of Abiotic Resources in Life Cycle Impact Assessment explained and illustrated with a CaseStudy						100	Zahrina Mardina, University of Leeds	Life Cycle Analysis of Continuous Glucose Meter: Evaluating Environmental Impact and Circular Strategies for Reduction of Resources Used and Carbon Emission
		53	Nadim Saadi, CIRAIG	Including Microplastics in Life Cycle Impact Assessment								
13:00-14:30 lunch break (at restaurant)												
14:30-15:15	<b>Renewable Fuels and Energy Systems</b>	102	Nihat Alpagu Sayar, Marmara University	Environmental impact assessment of the R&D progress of a conceptually designed malic acid biorefinery	<b>Advancing LCI</b>	60	Anders S.G. Andrae, Huawei Technologies Sweden AB	Importance of Uncertainty Modeling in LCA for robust Environmental Performance Classification Ranking - the case of Avoided Impact of ICT Services				
	Chairs: Ashrakat Hamed, Aurelia Paternostro	25	Sunu Herwi Pranolo, Universitas Sebelas Maret	Primary Environmental Impacts Assessment on a Dual-Fuel Power Plant Using Producer Gas and Diesel Fuel Mixture	Chairs: Loay Radwan, Michael Niggli	127	Hannah Wakeling, University of Oxford	Developing a Life Cycle Inventory for a future large accelerator facility				
		20	Theresa Krexner, Universität für Bodenkultur Wien	Comparison of Different End-of-Life Modelling Approaches for an Environmental Life Cycle Assessment of Agrivoltaic Systems in Austria		148	Max Bringmann, GreenDelta	Applying openLCA's advanced features to increase transparency and reliability of secondary plastics EcoProfiles				
15:15-15:30 break												
15:30-16:15 <b>Interactive session on openLCA by Andreas Ciroth and Ashrakat Hamed, GreenDelta GmbH</b>												
16:15-17:00 Closure												