

Interdisciplinary Circular Economy Conference 2020
Conference Program - LOCAL TIME (Berlin, UTC +1)

Day 1
Monday 30.11.2020

08:30 - 09:00		Opening & Welcome								
09:00 - 09:30		Meet the other participants								
09:30	-	11:00	Session 1A Concepts and Monitoring Frameworks (I) Chair: Sina Leipold		Session 1B Policy Design, Incentives and regulations Chair: Anran Luo		Session 1C Tracing Value Chains Chair: Hanna Helander		Session 1D Circular Cities (I): Policy, Planning & Law Chair: Anna Petit-Boix	
09:30	-	09:50	P74	Reframing narratives, values and measurement for a 'sufficient' Circular Economy that links social with environmental goals Erika Machacek Faigen* and Ruth Lane	P19	A new perspective on regulatory barriers and pathways to a sustainable circular economy Dunia Brunner*	P71	Tracing packaging material flows in Australia and implications for moving to a circular packaging economy Ben Madden, Nick Florin*	P64	Circular Urban Systems: spatial and socio-economic implications Georg Hubmann*
09:50	-	10:10	P31	Circular Literacy. A knowledge-based approach to the circular economy Florian Hofmann*, Jakob Zwiers, Melanie Jaeger-Erben	P27	EPR as an instrument for incentivizing a circular economy: policies in "translation" – cases of Germany, China and Hong Kong Nina Mitiaieva*	P79	Supporting the Analysis of Material Flows in Circular Bio-economy Systems: Coupling the global equilibrium model MAGNET with a material flow model for bio-based residues and wastes Almut Güldemund*, Vanessa Zeller, Liselotte Schebek	P76	The circular plastics economy in structurally disadvantaged cities Rüdiger Wurzel*, Kevin Burden, Charlotte Dean, Pauline Deutz, Michael Farrelly, Fiona James and Anne Kildunne
10:10	-	10:30	P13	Targets for a circular economy: Insights for policy and governance Piero Morsetto*	P60	Fiscal incentives to promote circular economy activities Sugey de J. López Pérez*, Xavier Vence	P57	Identifying current obstacles of implementing a circular value stream and analyzing possibilities for improved supply chain management Elena Wege*	P63	Urban footprints and circular cities from a legal perspective Cathrin Zengerling*
10:30	-	10:50	P9	Applying needs-based approaches to view the social component of the Circular Economy: exploration of the H-SD methodology Rebecca Clube*	P55	Designing a policy package to promote the transformation of the EU electronics industry towards a Circular Economy Ángeles Pereira*, Xavier Vence, Leandro J. Llorente-González	P68	Insights of recycling intention for a circular economy for plastics using additive manufacturing Anamaria Barrera, Fabio Cruz Sanchez*, Hakim Boudaoud, Sina Leipold		
10:50	-	11:00		Discussion		Discussion		Discussion		Discussion
11:00 - 11:30		Break								
11:30	-	13:00	Workshop 2A Ensuring a Sustainable Circular Economy using Life Cycle-based tools		Session 2B Governance and innovation in the bioeconomy Chair: Anran Luo		Session 2C Politics in the Plastics and Packaging Sector Chair: Sina Leipold		Session 2D Circular Cities (II): Conceptualization and Monitoring Chair: Anna Petit-Boix	
11:30	-	11:50	Chairs: Melanie Haupt, Nicola U. Blum, Catharina R. Bening		P15	What kind of business model innovation for a circular bioeconomy? Mechthild Donner*, Hugo de Vries	P24	Strengthening the circular economy by regulating packaging: Insights from Germany Parul Kumar*	P28	How can cities monitor their progress towards a sustainable circular economy – case study of China IWM NAMA Support Project Nina Mitiaieva*
11:50	-	12:10	Environmental value retention in a Circular Economy , Melanie Haupt, Stefanie Hellweg Measuring the Economic Sustainability of Circular Value Chains , Nicola U. Blum, Franz Radke, Catharina R. Bening Assessing the Social Impacts of a Circular		P14	Circular Regulations (CR) and Governance in bioeconomy Lampros Lamprinakos*	P29	Trading Radical for Incremental Change: The Politics of a Circular Economy Transition in the German Packaging Sector Machteld Simoens*	P17	How Communications Can Support Circular Economy Adoption in Cities: An Analysis of London and Lagos David Adeyemo, Trevor Allen, Grace Cheung, Jonathan Hall*, Olutobi Onajin*, Ksenija Ostojic, Ritu Rajashekar

12:10	-	12:30	Assessing the Social Impacts of a Circular Economy in the Global South , Melanie Haupt, Dolores Sucozhañay, Ismael Izquierdo, Adriana Abril, Paul Vanegas			P41	Whose Circular Economy? The Coevolving Industry-Policy Nexus in European Plastics Regulation Sandra Eckert*, Alice Mah	P65	Decision models to support the development of circular solutions in cities Alessandro Arlati, Andreas Obersteg*, Jörg Knieling
12:30	-	12:50							
12:50	-	13:00			Discussion		Discussion		Discussion

Day 2
Tuesday 01.12.2020

09:15 - 09:30		Energizer					
09:30 - 11:00		<p align="center">Keynote session</p> <p align="center">The role of the circular economy in sustainability transformations: an interdisciplinary discussion</p> <p align="center">Leverage Points and the Circular Economy: Systems transformation for sustainability Prof. Julia Leventon, CzechGlobe, Global Change Research Institute, Czech Academy of Sciences</p> <p align="center">Circular economy: from disruptive teen to wise elder? Prof. Damien Giurco, Resource Futures, University of Technology Sydney</p> <p align="center">Sustainable Circular Economy – a pleonasm? Dr. Melanie Haupt, Ecological Systems Design, ETH Zürich</p>					
		Break					
11:30 - 13:00		Session 3A Concepts and Monitoring Frameworks (II) Chair: Kavya Madhu		Session 3B Circular Bioeconomy & Policy Chair: Cathrin Zengerling		Workshop 3C Five years of Circulus research – What's next? An exchange on future research ideas and potential interdisciplinary collaborations	Workshop 3D Panel discussion: Enabling circular B2B-textiles
11:30 - 11:50	P8	Approach to measure the circularity and environmental benefits of products in the use stage Anna Schulte*, Kerstin Dobers, Markus Hiebel, Jan-Philipp Jarmer		P72	Phosphorus - critical resource in a field of tension Lisa Harseim*		Chairs: Sina Leipold*, Anna Petit-Boix, Hanna Helander, Anran Luo, Machteld Simoens Panelists: Ina Budde, co-founder of the start-up circular.fashion Martijn Witteveen, quality management at Dibella Fabian Takacs, University of St. Gallen
11:50 - 12:10	P62	Circularity Thinking - mindfully designing circular systems and value chains Fenna Blomsma*, Geraldine Brennan		P48	How to Use Organic Waste in a Circular Bioeconomy? The Politics of Organic Waste and Biomethane Use in Berlin Thomas Vogelpohl*		
12:10 - 12:30	P7	Is your product ready for the circular economy? Investigating the Circular Readiness Level® of products and product systems Kerstin Dobers*, Anna Schulte, Markus Hiebel, Jan-Philipp Jarmer		P23	Participation – Key driver to a democratic transition into a circular bio-economy? A critical reflection using the example of processes for the production of biogas through biowaste Doris Fuchs, Carolin Bohn, Victoria Hasenkamp*		
12:30 - 12:50	P38	Design of consumables in a resource efficient circular economy Siri Willskytt*					
12:50 - 13:00		Discussion			Discussion		

Day 3
Wednesday 02.12.2020

14:15		- 14:30		Energizer							
14:30		- 16:00		Session 4A Material efficiency: scenarios and measurement Chair: Anna Petit-Boix		Session 4B Power and Politics (I): International Chair: Machteld Simoens		Session 4C Social and Justice Issues in Food Systems Chair: Sina Leipold			
14:30	-	14:50	P3	Material efficiency and its contribution to climate change mitigation in Germany – A scenario analysis until 2060 Stefan Pauliuk*, Niko Heeren		P49	A New Global Political Force to Address Environmental Change? The Circular Economy Discourse between the EU and China Anran Luo*, Mehwish Zuberi, Jiayu Liu, Miranda Perrone, Simone Schnepf, Sina Leipold		P54	Social Cost Benefit Analysis Of Handling Food Waste In Cities Of Developing Nations: A Case Study, Mumbai, India Kavitha Shanmugam, Anju Baroth, Sachin Nande, Dalia M.M. Yacout, Mats Tysklind and Venkata K.K. Upadhyayula*	
14:50	-	15:10	P75	Could material constraints hinder French carbon neutrality objectives? A diagnostic for circular economy deployment potential to sustain climate change mitigation Antoine Teixeira*		P46	The rise of the Circular Economy, decline of the Bioeconomy? Sandra Eckert*		P35	Supermarkets for less waste and more sustainable food? Discourses and Agency in the German Food System Hanna Helander*, Sina Leipold	
15:10	-	15:30	P45	Simultaneously tracing the fate of metals with MaTrace-multi Christoph Helbig*, Yasushi Kondo, Shinichiro Nakamura		P58	Socio-economic and territorial heterogeneity of the circular economy in the European Union Leandro Javier Llorente-González*, Xavier Vence				
15:30	-	15:50	P52	Identification of the key design challenges and their potential for a closed-loop recyclable product Torsten Hummen*		P16	Incentives and disincentives in regulatory policy towards a circular economy: reflections from the Israeli case Orr Karassin*				
15:50	16:00		Discussion		Discussion		Discussion				
16:00		- 16:30		Break							
16:30		- 18:00		Session 5A: Towards a circular bioeconomy Chair: Hanna Helander		Session 5B Power and Politics (II): Corporations Chair: Machteld Simoens		Session 5C Circular Cities (III): Food and nutrients Chair: Anna Petit-Boix			
16:30	-	16:50	P43	Is circular economy enough to achieve complete sustainability? Ana Ramos*, Zenaida Mourão		P25	Issues of Corporate Power and Responsibility in a Circular Economy Nina Boeger*		P44	Does the promotion of circular economy in urban agricultural systems align with its improvement in life cycle environmental performance? Martí Rufi-Salis*, Anna Petit-Boix, Gara Villalba, Xavier Gabarrell, Sina Leipold	
16:50	-	17:10	P32	Life Cycle Assessment, economic and social perspectives of microbial biosurfactants' production using substrates from sugar industry Andreas Schonhoff*, Gerrit Stöckigt, Petra Zapp		P18	From Ecology to Economy: governance and communication of corporate and public organizations' efforts to fulfill the Agenda 2030 goals on biodiversity Gunnar Rimmel*, Annie Jonsson		P34	Moving towards a circular economy in wastewater treatment – the case of energy and nutrient recovery in Stockholm Farzin Golzar*, Semida Silveira	
17:10	-	17:30	P30	Life Cycle Assessment of the production of bio-based succinic acid from maize stover Angel L. Merchan*, Grit Walther		P56	How does a fast-fashion leader address the challenge of the circular economy? An analysis of the business model innovation of Inditex-Zara Ángeles Pereira*, Xavier Vence		P66	The Future of Food in the Circular City: Case Studies in Soilless Urban Farming Gundula Proksch*, Erin Horn*, George Lee*	

17:30	-	17:50	P78	<p>Towards the development of a framework to evaluate environmental impacts from the use of CO₂, waste and residues in innovative bioeconomy applications Vanessa Zeller*, Almut Güldemund, Liselotte Schebek</p>	P70	<p>Business frameworks for the transition to a circular economy Tara Nitz*</p>	P80	<p>The role of nature-based solutions as a tool for sustainable resources management in a circular city Alexandros I. Stefanakis*</p>
17:50	-	18:00		Discussion		Discussion		Discussion

Day 4
Thursday 03.12.2020

14:15	-	14:30	Energizer				
14:30	-	15:30	Networking session				
15:30	-	16:00	Break				
16:00	-	17:30	Workshop 6A The untapped potential of packaging reduction in supply chains	Session 6B Digital technologies and electronics Chair: Hanna Helander	Session 6C Circular Cities (IV): Built Environment Chair: Anran Luo		
16:00	-	16:20	<p>Chair: Doris Knoblauch & Linda Mederake</p> <p>Innoredux – Business models for reducing plastic waste along the value chain: Towards innovative trends in retailing Sabrina Schmidt</p> <p>Eco-friendly and reusable packaging in e-commerce – an analysis of consumer preferences Britta Frommeyer, Julia Koch</p>	P37	Estimating the net environmental impacts of the deployment of digital technologies in the German manufacturing sector Simon Schulte*, Stefan Pauliuk	P39	Sustainable Business Models for Circular Economy in Urban Ecosystem – An Institutional Isomorphism analysis of Brussels Built Environment Hélène Bleus*, Nathalie Crutzen
16:20	-	16:40		P22	How to Implement Sustainable Circular Economy in the Data Center Industry Naeem Adibi*, Carolina Szablewski*, Deborah Andrews, Christian Traisnel, Christian Thomas, Katrin Bienge, Julie Chenadec, Kristina Kerwin, Beth Whitehead, Nil Atmaca	P12	Insulation Materials in the Context of a Circular Economy Anna Kulakovskaya*, Maja Wiprächtiger*, Nicola Blum, Christof Knöri
16:40	-	17:00		P51	Identifying benefits and limitations of measuring circularity: a case study on circularity indicators for EV batteries in an organizational context Magnus Schulz*	P50	Circular Economy in the Building sector: French case studies Adélaïde Mailhac*, Emilie Gully, Mathilde Louerat, Manuel Bazzana, Nicoleta Schiopu
17:00	-	17:20		P42	Existing and potential job opportunities in the IT WEEE circular treatment process: the case of the Region of Brussels capital Muriel Sacco*	P67	Advancing Circular Economy at a Building Scale Gundula Proksch*, Erin Horn*
17:20	-	17:30			Discussion		Discussion
17:30	-	18:00	Closing				