

# CONFERENCE PROGRAMME



## **18<sup>th</sup> European Roundtable for Sustainable Consumption and Production**

**Towards a Greener Challenge & Evolution  
in the Framework of the Circular Economy**

**Skiathos Island, Greece 1-5 October 2017**

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**Organized by:**

Environmental Economics and Sustainability Unit,  
Sector of Industrial Management & Operational Research,  
School of Mechanical Engineering, National Technical University of Athens



<b>Sunday 01/10/2017</b>			
<b>18:00 – 20:00</b>	<b>Registration</b>		
	<b>ROOM 1</b>		
<b>20:00 – 21:00</b>	<b>Opening Remarks by officials, Chair Konstantin Aravossis, Prof. NTUA</b>		
<b>21:00 – 21:30</b>	<b>Keynote Plenary Speech: <i>The business case for sustainability, Dr. Paolo Taticchi, Imperial College</i></b>		
<b>21:30</b>	<b>Cheese &amp; Wine</b>		
<b>Monday 02/10/2017</b>			
	<b>ROOM 1</b>		
<b>08.00 – 09.00</b>	<b>Registration</b>		
	<b>Keynote Plenary Speeches:</b>		
<b>09:00 – 09:30</b>	<i>The Future of Sustainable Consumption and Production, Peter Glavič, Prof Emeritus, University of Maribor, Slovenia</i>		
<b>09.30 – 10.00</b>	<i>Process and Policies towards a Circular Economy Lead to Major Knowledge Questions Robbert Droop, Ministry of Infrastructure and the Environment, Netherlands</i>		
	<b>ROOM 1</b>	<b>ROOM 2</b>	<b>ROOM 3</b>
	<b>Advances in Sustainable Consumption I</b>	<b>Sustainable products and sustainable production I</b>	<b>Education for Sustainable Development (Special Session)</b>
	<b>Chairs: J Shao, J Thøgersen</b>	<b>Chairs: N Bocken, Popa V, Cooper T</b>	<b>Chair: Peter Glavic</b>
<b>10:00 – 10:15</b>	<i>Antecedents of green purchase intention for packaged food products with regard to environmental packaging:</i>  <b>Anh Thu Nguyen</b>	<i>Local concepts for carbon-neutrality and 100% renewables - a chance for sustainable consumption patterns?</i>  <b>F Rubik, R Müller, P Riousset and S Salecki</b>	<i>Sustainability – A (European) Ideology for the 21th Century?</i>  <b>G. Weber, T Hoerber I Cabras</b>

<p><b>10:15 – 10:30</b></p>	<p><i>A Literature Review of Low Carbon Consumption Behavior in China: New Trends and Research Interests</i></p> <p><b>Jing Shao</b></p>	<p><i>Using multi criteria method for a comparative analysis of automotive products regarding the influence of eco-friendly methods to reduce emissions over product life cycle.</i></p> <p><b>Vasile Popa, Luminița I.Popa</b></p>	<p><i>Interpretation Design Contributions to Heritage Sustainability: A Brazil Case Study,</i></p> <p><b>Luciana Guizan Aureliano, Luana Lott Alves, Eduardo Romeiro Filho</b></p>
<p><b>10:30 – 10:45</b></p>	<p><i>I am what I drive: Challenges of sustainable daily commute in UAE</i></p> <p><b>Shilpa Iyanna, Carmela Bosangit, Marylyn Carrigan and Jordon Lazell</b></p>	<p><i>A taxonomy of enablers and barriers for sustainable manufacturing adoption in SMEs</i></p> <p><b>Claudia Alayon, Glenn Johansson, Kristina Säfsten</b></p>	<p><i>Individual Competences for Sustainability in Supply Chain Management</i></p> <p><b>W. Lambrechts, J. Semeijn, C.J. Gelderman, P. Ghijzen and L. Van Liedekerke</b></p>
<p><b>10:45 – 11:00</b></p>	<p><i>“Nobody mends clothes anymore”? Environmental implications of Norwegian consumers’ home sewing practices</i></p> <p><b>Kirsi Laitala and Ingun Grimstad Klepp</b></p>	<p><i>Designing sustainable business models – expanding boundaries to create positive value.</i></p> <p><b>Nancy Bocken, Frank Boons</b></p>	<p><i>Ecodesign+ A Tool For Teaching Life Cycle Thinking And The Product Carbon Footprint – Case Study Packaging</i></p> <p><b>R.Pamminger, W. Wimmer, F. Krautzer</b></p>
<p><b>11:00 – 11:15</b></p>	<p><i>Carbon footprint calculators for citizens – 10+1 suggestions for improvements,</i></p> <p><b>MSalo, M KMattinen, ANissinen</b></p>	<p><i>Sustainability Strategies in the Nordic Brewing Industry with a Focus on Spent Grain.</i></p> <p><b>Maaike Happel, Simon Bolwig, Michael S. Mark</b></p>	<p>OPEN DISCUSSION AND CONCLUSIONS</p>

11:15 – 11:30	<i>Thrifty or green? Basic drivers of energy saving in European households</i> <b>John Thøgersen</b>	<i>Chemical Leasing - Can a new Business Model provide more Sustainability to Chemical Industry?</i> <b>I Kaltenegger</b>	
11:30 – 11:45	<i>A fashion library as education for sustainability – an exploratory case study,</i> <b>C V Becker-Leifhold, A L Hirscher</b>		
11:45 – 12:00	<i>Activation of citizens by electricity saving competitions</i> <b>Frieder Rubik, Michael Kress, Ria Müller</b>		
12.130	<b>Coffee Break</b>		
	<b>Advances in Sustainable Consumption II</b>	<b>Sustainable products and sustainable production II</b>	<b>Catalysts for sustainable clothing consumption: New value propositions for over consumers (Special Session)</b>
	<b>Chairs: R. Droop, Segalas J, Ansaloni F</b>	<b>Chairs: Johannsdottir, Freimane</b>	<b>Chair: C Armstrong</b>
12:30 – 12:45	<i>Thinking green but buying thoughtless? An empirical examination of the attitude behavior gap among German clothing consumers</i> <b>K Jacobs, L Petersen, J Hörisch and D Battenfeld</b>	<i>Bridging sustainable innovation with user practices: creating support for socio-technical transformations</i> <b>S. Ritzén and J J. Stier</b>	<i>Catalysts for sustainable clothing consumption: New value propositions for over consumers</i> <b>C. M. Joyner Armstrong</b>

12:45 – 13:00	<p><i>Local fashion: Is it sustainable?</i></p> <p><b>Ingun Grimstad Klepp, Kirsi Laitala and Gunnar Vittersø</b></p>	<p><i>Behavior of cellulose under subcritical water conditions and its conversion into various products.</i></p> <p><b>Tanja Gagić, Željko Knez and Mojca Škerget</b></p>	
13:00 – 13:15	<p><i>Re-crafting social practices from the grass-roots: A framework for analysing how grass-roots initiatives influence everyday lifestyles</i></p> <p><b>Wouter Spekkink, Jaco Quist &amp; Udo Pesch</b></p>	<p><i>Sustainable business models: The influence of competencies for sustainable entrepreneurship on the development of the business model.</i></p> <p><b>Vincent Blok, Lisa Ploum, Joey van den Brink, Olivier Willemsen</b></p>	<p><i>Clothing that lasts: developing and testing garments for longevity</i></p> <p><b>T. Cooper, L. Oxborrow, S. Claxton, H. Goworek, H. Hill and A. McLaren</b></p>
13:15 – 13:30	<p><i>A Heuristic Algorithm for Operation Scheduling of Electric Water Heaters under Dynamic Pricing</i></p> <p><b>G. Safouri, V. Kapsalis</b></p>	<p><i>The effect of leadership on pro-environmental behaviour: A case study with university employees.</i></p> <p><b>Guido Wiersum, Renate Wesselink, Vincent Blok, Mattijs Smits</b></p>	<p><i>Catalysts for sustainable clothing consumption: New value propositions for over consumers</i></p> <p><b>L. S. McNeill</b></p>
13:30 – 13:45	<p><i>Enabling Sustainable Consumption at the Workplace: the Role of Participatory Management Practices</i></p> <p><b>Martina Schäfer &amp; Elisabeth Süßbauer</b></p>	<p><i>Tackling the consumer food waste dilemma: an exploration of household strategies and lock-ins.</i></p> <p><b>K Dobernig and K Schanes</b></p>	<p><i>Multi-stakeholder perspectives on the challenges and success factors for scaling up upcycling businesses in fashion industry in the UK</i></p> <p><b>K Sung, T Cooper, M Painter-Morland, L Oxborrow, U Ramanathan and J Singh</b></p>
13:45 – 14:00	<p><i>Handbags versus e-bikes – A comparison of conspicuous consumption in Egypt and Germany</i></p> <p><b>Martina Schäfer, Hadeer Hammad, Noha El Bassiouny and Viola Muster</b></p>	<p><i>The social license to operate in silicon production – a case study of United Silicon in Iceland.</i></p> <p><b>Lara Johannsdottir</b></p>	<p><i>Catalysts for Sustainable Clothing Consumption: New Value Propositions for Over Consumers</i></p> <p><b>Wencke Gwozdz, Kristian Steensen Nielsen, Shipra Gupta, James Gentry &amp; Tina Müller</b></p>

<p><b>14:00 – 14:15</b></p>	<p><i>Applying the Delphi method to explore how new business models can stimulate sustainable consumption</i></p> <p><b>Vivian S C Tunn, Nancy M P Bocken, Ellis A van den Hende, Jan P L Schoormans</b></p>	<p>DISCUSSION AND CONCLUDING REMARKS</p>	<p>OPEN DISCUSSION AND CONCLUSIONS</p>
<p><b>14:15 – 14:30</b></p>	<p>DISCUSSION AND CONCLUDING REMARKS</p>		
<p><b>Lunch Break</b></p>			

	<b>Sustainability Policy and Future Development</b>		<b>Global Knowledge and Action Network for Sustainable Consumption and Production in Cities (Special Session)</b>
	<i>Chairs: Pavlopoulou Y., Zihaly Gyule, Fuerst Julia</i>		<i>Chairs: Anna Davies, Jaco Quist</i>
<b>15:30 – 15:45</b>	<i>Sustainability in a Flat Pack? - The Live LAGOM project</i> <b>Elf, Patrick</b>		OPEN PAPER SESSION
<b>15:45 – 16.00</b>	<i>Creating shared value through business model innovation for sustainability: evidence from cases in the Netherlands</i> <b>Velter, M.G.E., Kemp, R., Bocken, N., Bitzer, V.</b>		

<p><b>16.00 – 16.15</b></p>	<p><i>Current status and contribution of Carbon Capture and Storage (CCS) processes to sustainable development</i></p> <p><b>G Kravanja, Ž Knez, Mojca Škerget, M Knez Hrnčič</b></p>		
<p><b>16.15 – 16.30</b></p>	<p><i>Empowering green employees for eco-innovation development</i></p> <p><b>A Buhl , L Petersen and S Blazejewski</b></p>		
<p><b>16.30 – 16.45</b></p>	<p><i>A framework for sustainable value creation in product-service systems (PSS)</i></p> <p><b>H S Kristensen, A Remmen</b></p>		<p>WRAPING UP DISCUSSION</p>
<p><b>16.45 – 17.00</b></p>	<p><i>Corporate sustainability activities and sustainability performance of first and second order</i></p> <p><b>Martina Zimek, Rupert Baumgartner</b></p>		



17.00 – 17.15	<p><i>Creating Business Models for Sustainability: exploring the link between the sustainability awareness of decision-maker and business model innovation</i></p> <p><b>A L Kiesnere, R Rauter and R J Baumgartner</b></p>		<p><b>Food and Waste (Special Session)</b></p>
			<p><b>Chairs: P. Morone, J.Lazell</b></p>
			<p><i>Food waste across space and place: Understanding the transition of food into waste in the context of urban lives in the UK</i></p> <p><b>J. Lazell</b></p>
17.15 – 17.30	<p><i>Deriving Product-Service Systems for a Circular Economy based on Consumer Needs. An Outcome-Driven Innovation Study in the Consumer Electronics Industry</i></p> <p><b>Stephan Hankammer, Sebastian Brenk, Hannah Fabry</b></p>		<p><i>How to promote a new and sustainable food consumption model: a fuzzy cognitive map study</i></p> <p><b>P. M. Falcone and P. Morone</b></p>
17.30 – 17.45	<p><i>Maritime business performance can improve through synergies and sustainability reporting</i></p> <p><b>Pavlopoulou, Y., Aravossis K.</b></p>		<p><i>Contextual measures to reduce household food waste</i></p> <p><b>Marie Hebrok, Nina Heidenstrøm</b></p>

17.45 – 18.00	<i>Responsible innovation and circular economy: common themes and missed opportunities</i> <b>Edurne A. Inigo, Vincent Blok</b>		OPEN DISCUSSION
18.00 – 18.30			CONCLUSIONS
18.30	<i>PREPARE MEETING</i>		
<b>Tuesday 03/10/2017</b>			
<b>ROOM 1</b>			
08.00 – 09.00	<b>Registration</b>		
	<b>Keynote Plenary Speeches:</b>		
09.00 – 09.30	<i>The role of waste-to-energy, WTE in the circular economy, Carlo Vandecasteele</i>		
09.30 – 10.00	<i>Regional circular economy models and best available technologies for biological streams, Nicolas Mousiopoulos</i>		
10.00 – 10.30	<i>Sharing and sustainability: practices and potentialities, Anna Davies</i>		
	<b>ROOM 1</b>	<b>ROOM 2</b>	<b>ROOM 3</b>
	<b>(Zero) waste management and Circular Economy and Waste I</b>	<b>Energy, Environment and Economics</b>	<b>Everyday futures and sustainable lifestyles (Special Session)</b>
	<b>Chairs: N Mousiopoulos, Bundgaard Anja, Annelise de Jong</b>	<b>Chairs: C Psomopoulos, Davidsdottir, Triantafyllou V</b>	<b>Chair: Jaco Quist</b>
10:30 – 10:45	<i>Assessment of energy recovery prospects from forest residues and crop stover in Pella municipality.</i> <b>G Itoudis, G Perkoulidis and N Moussiopoulos</b>	<i>Potential contribution of Waste-to-Energy as part of the effort for the economic recovery of Greece.</i> <b>Constantinos S. Psomopoulos, Nickolas J. Themelis, Ioannis A. Venetis</b>	<i>Backcasting for Sustainable Lifestyles &amp; a Green Economy: a methodology illustrated for the Netherlands,</i> <b>J Quist, W Spekkink, UPesch, E Leising</b>

10.45 – 11.00	<p><i>Regional circular economy models and best available technologies for biological streams.</i></p> <p><b>Nicolas Moussiopoulos, Apostolos Malamakis, Stamatia Kontogianni, Charisios Achilas, Eleni Feleki, Christos Vlahokostas</b></p>	<p><i>Nordic energy technology perspectives; Pathways to carbon neutrality.</i></p> <p><b>Brynhildur Davidsdottir</b></p>	<p><i>Huble designing in Design for Sustainability,</i></p> <p><b>AM de Jong, L Reitsma, S Wessmann, E Önnvall, N. Toretta</b></p>
11.00 – 11.15	<p><i>On some aspects regarding Horizon 2020 projects influence over Circular Economy Innovations Components.</i></p> <p><b>Luminița I.Popa, Vasile N.Popa</b></p>	<p><i>Fiscal incentives to promote sustainable transport through electric vehicles in Iceland: choosing between incentives using multi-criteria decision analysis</i></p> <p><b>Brynhildur Davidsdottir</b></p>	<p><i>A design fiction manifesto for sustainable lifestyles,</i></p> <p><b>J. Wangel, L. Broms, E. Eriksson, M. Hesselgren</b></p>
11.15 – 11.30	<p><i>Reconditioning of consumer electronics - identifying design and non-technical barriers.</i></p> <p><b>Anja Marie Bundgaard</b></p>	<p><i>Sustainable Energy Action Plans – Experiences of local municipalities.</i></p> <p><b>Gyula Zilahy, Petra Soltész, Melitta Gonda-Nagy, Tamás Pálvölgyi</b></p>	MINIWORKSHOP AND DISCUSSION
11.30 – 11.45	<p><i>Unboxing the look: psychological factors promoting circular consumption behaviour in the women's apparel industry.</i></p> <p><b>Juana Camacho Otero</b></p>	<p><i>Optimal Levels of Micro-Generation and Distributed Thermal Storage Capacity for Efficient 4th Generation DH Systems.</i></p> <p><b>N Chrysanthopoulos and N Karcanias</b></p>	
11.45 – 12.00	<p><i>The Potential of Plastic Re-use for Manufacturing.</i></p> <p><b>Annelise de Jong, Elin Önnvall, Ann-Charlotte Mellquist, Lizette Reitsma</b></p>	<p><i>The role of Waste-to-Energy (WTE) in a circular economy society.</i></p> <p><b>Vaios Triantafyllou, A.C. (Thanos) Bourtsalas</b></p>	

12.00 – 12.30	Coffee Break		
	<b>(Zero) waste management and Circular Economy and Waste II</b>	<b>Energy, Environment, Economics and Design for Sustainability</b>	<b>Fare sharing SHARECITY (Special Session)</b>
	<b>Chairs: C. Vandecasteele, Droop R.</b>	<b>Chairs: Unay-Gailhard, Doğan Sağlamtimur, Freimane</b>	<b>Chair: Anna Davies</b>
<b>12.30 – 12.45</b>	<i>Evaluation of economic and environmental aspects in a European WEEE recovery network: an LCA-based approach.</i> <b>L Messmann, P Hutner, D Stindt, A Thorenz and A Tuma</b>	<i>Remoteness, ruptures and routines: energy consumption in an island life.</i> <b>Eimear Heaslip and Frances Fahy</b>	<i>Fare sharing: practices and sustainability potential of ICT-mediated urban food sharing</i> <b>Anna Davies</b>
<b>12.45 – 13.00</b>	<i>The ‘circular’ building materials challenge: a case-based policy approach.</i> <b>Leonidas Milios</b>	<i>The Environmental Value of the Maker Movement.</i> <b>Elisabeth Unterfrauner, Margit Hofer, Maria Schrammel, Claudia Magdalena Fabian</b>	<i>Food sharing and new social relations in London</i> <b>B. Marovelli</b>
<b>13.00 – 13.15</b>	<i>Building a theoretical foundation for operationalizing circular economy through coopetition.</i> <b>Rumy Narayan</b>	<i>Pure water project from the perspective of Environmental Engineering.</i> <b>F Çiner, N Doğan-Sağlamtimur</b>	<i>The barriers and opportunities offered by ICT for food surplus redistribution</i> <b>M Weymes</b>
<b>13.15 – 13.30</b>	<i>A Review of Data Driven Approaches for Circular Economy in Manufacturing.</i> <b>O. Okorie, C. Turner, F. Charnley, M. Moreno, A. Tiwari</b>	<i>Agri-environmental measure and on-farm labour adjustment in the green economy.</i> <b>İlkay Unay-Gailhard, Štefan Bojnec</b>	<i>ICT and Communities of Food Sharing Practice in Smart Singapore</i> <b>M Rut</b>

<b>13.30 – 13.45</b>	<i>A techno economic assessment of waste management scenarios in Attica -Greece.</i> <b>A Mitsikas, K. Aravossis</b>	<i>Economic quantification of industrial symbiosis from the perspective of the organization.</i> <b>M L Kambanou, M Mirata</b>	<i>Connective consumptions: ecosystems of food sharing activities in Melbourne, Australia,</i> <b>F Edwards</b>
<b>13.45 – 14.00</b>	<i>Challenges of Circular Business Modeling.</i> <b>E Guldmann, R D Huulgaard</b>	<i>Materials efficiency in Circular Product Design: Critical trade-offs.</i> <b>A Mestre and TH Cooper</b>	<i>Berlin's urban food commons</i> <b>O Morrow</b>
<b>14.00 – 14.15</b>	<i>The Circular Economy Journey.</i> <b>R D Huulgaard, E Guldmann</b>	<i>Multicriteria evaluation of liquefied natural gas supply alternatives: The case of Greece.</i> <b>E. Strantzali, C. Nikoloudis, K. Aravossis</b>	<b>WRAP UP DISCUSSION</b>
<b>14.15 -14.30</b>		<i>Unboxing the look: psychological factors promoting circular consumption behaviour.</i> <b>Juana Camacho-Otero, Casper Boks, Ida Nilstad Petersen</b>	
	<b>Lunch Break</b>		

	ROOM 1	ROOM 2	ROOM 3
	(Zero) waste management and Circular Economy and Waste III	Design for Sustainability	SHARECITY World Café Food Sharing and Sustainability (Special Session)
	<b>Chairs:</b> <i>Quist, Weber, Christensen Thomas Budde</i>	<b>Chairs:</b> <i>Bereketli Zafeirakopoulos, Glavic P., Christiansen H.</i>	<b>Chairs:</b> <i>Anna Davies, Brigida Marovelli</i>
15:30 – 15:45	<i>Supply Chain Collaboration for Circular Buildings: three cases from the Netherlands and transition relevance</i> <b>Eline Leising, Jaco Quist, Nancy Bocken</b>	<i>The 12 Key Issues of Sustainable Engineering.</i> <b>Peter Glavič</b>	<i>The purpose of this workshop, which follows a World Café method, is to explore experiences of food sharing, identify challenges affecting food sharing as a means of moving towards sustainability, and discuss potential policy responses to support sustainable food sharing. Max 30 participants</i>
15:45 - 16:00	<i>Communication and marketing approaches in pursuit of a circular economy: a review of practical examples from the UK.</i> <b>Lucy Chamberlin, Casper Boks, Ida Nilstad Pettersen</b>	<i>Circular Design – Learning for innovative design for sustainability project.</i> <b>J Segalas, A De Eyto, M Mc Mahon, P Joore, M Crul, R Wever, A Jimenez</b>	
16:00 – 16:15	<i>Preparing for re-use: Assessment and quantification of potentials for WEEE, textiles and bulky waste.</i> <b>P Hutner, M Dirr, L Messmann, S. Boldoczki, A Thorenz and A Tuma</b>	<i>Using Design Thinking to empower employees for eco-innovation projects.</i> <b>A Buhl and S Blazejewski</b>	

<p><b>16:15 – 16:30</b></p>	<p><i>Towards Sustainable Solid Waste Management for Ahmedabad in India Using Backcasting, Scenarios And Policy Packaging.</i></p> <p><b>Jaco Quist, Kedar Jani, Bert Enserink</b></p>	<p><i>Internal company collaborations and its impact on Design for Sustainability implementation in companies.</i></p> <p><b>Faheem Ali, Casper Boks</b></p>	
<p><b>16:30 – 16:45</b></p>	<p><i>Management of plastic waste – experience from a multi-actor project.</i></p> <p><b>T B Christensen and K Syberg</b></p>	<p><i>Evaluation of a simplified LCA methodology - case study on hand blender.</i></p> <p><b>I Bereketli Zafeirakopoulos</b></p>	
<p><b>16:45 – 17:00</b></p>	<p><i>Free-rider behavior in unit-pricing systems - lessons from case studies in Spain</i></p> <p><b>Maria Calaf-Forn, Gabriel Weber, Ignasi Puig-Ventosa</b></p>	<p><i>Household energy saving agency as self-regulated learning regarding awareness and goal setting: Customized household agency in tools for metering and regulation.</i></p> <p><b>Ellen Christiansen</b></p>	
<p><b>17:00 – 17:15</b></p>	<p><i>Waste management by the municipality of Skiathos – actions done and way to go.</i></p> <p><b>A Mythi and C Yiannitsis</b></p>	<p><i>Remaking of spaces and eco-design based in sustainable actions.</i></p> <p><b>Ricardo Henryque Reginato Quevedo Melo, Evanisa Fatima Reginato Quevedo Melo, Luise Taina Dalla Libera, Marcia Cristina Hüther</b></p>	
<p><b>17:15 – 18:30</b></p>		<p><i>Wasting of fresh-packed bread by consumers – potential influence of shopping behaviour and preferences.</i></p> <p><b>Sofie Østergaard, Ole Jørgen Hanssen</b></p>	

18.30	ERSCP SOCIETY MEETING	Experience sustainable development and planned obsolescence in design education.		
<b>Aija Freimane</b>				
<b>Wednesday 04/10/2017</b>				
<b>ROOM 1</b>				
08.00 – 09.00	<b>Registration</b>			
<b>Keynote Plenary Speeches:</b>				
09.00 – 09.30	<i>Sustainable business models and sustainable consumption: exploring the role of business experimentation, Nancy Bocken</i>			
09.30 – 10.00	<i>Circular Economy and Sustainable Lifestyles: prospects and critical issues, Jaco Quist</i>			
	<b>ROOM 1</b>	<b>ROOM 2</b>	<b>ROOM 3</b>	
	<b>Entrepreneurship, Management and Tourism</b>	<b>Resource Efficiency and Resources</b>	<b>Sustainable design and circular economy (Special Session)</b>	
	<b>Chairs: Bocken, Quist, Weber</b>	<b>Chairs: Davidsdottir, Kapsalis V., Lindgaard-Jørgensen</b>	<b>Chairs: Cristine Rocha, David Camocho</b>	
			<b>10:00 – 11:00 Part I - Presentations</b>	
10:00 – 10:15	<i>Business-led sustainable consumption strategies: the case of HOMIE.</i>  <b>Nancy M.P. Bocken, Colin A. Bom, Hidde-Jan Lemstra</b>	<i>Evaluating SMEs' relationships with 'lean' and 'green' thinking when aiming for sustainable business practice</i>  <b>H.T.S Caldera, C Desha, L Dawes</b>	10:00 – 10:15	<i>Welcome and opening of the workshop</i> <i>Cristina Rocha, LNEG, Portugal</i>
			10:00 – 10:15	<i>KATCH_e: a project on training for circular economy in the construction and furniture sectors</i> <i>Cristina Rocha, LNEG, Portugal</i>



10:15 – 10:30	<i>Towards Sustainable Business Models: a refined framework and a multiple case study into renewable energy and car sharing in the Netherlands.</i> <b>J Quist, N van Ginkel, H Bouwman</b>	<i>Road Map Towards Zero Water Milk Processing Plants – Experiences From A Danish Public-Private Partnership</i> <b>Palle Lindgaard-Jørgensen, Gert Holm Kristensen, Martin Andersen</b>	<i>Developing a Design for Sustainability training program for vocational education and training and testing it in Austria</i> <b>Rainer Pamminger, Technische Universität Wien, Austria</b>
10:30 – 10:45	<i>How to evaluate new ventures - startups in the field of environment, energy and ecology.</i> <b>C Nikoloudis, E Strantzali, K Rentzis and K Aravossis</b>	<i>Embedding lean and green practices into small and medium-sized enterprises to achieve sustainable business practice</i> <b>H.T.S Caldera, C Desha, L Dawes</b>	<i>Collaboration among businesses and stakeholders for accelerating transition of cities to Circular Economy: Lessons for Glasgow in Scotland</i> <b>Oihana Hernaez, University of Strathclyde, U.K.</b>
10:45 – 11:00	<i>The DNK “(German) Sustainability Code” - a Smart Way of Sustainability Reporting.</i> <b>Gudrun Engelhardt</b>	<i>Best production practices in the food industry within circular economy</i> <b>D. Fouflias, K. Aravossis, V. Kapsalis</b>	<i>KATCH_e: Introducing circular economy into higher-education design curricula</i> <i>Overview of the training needs, state of the art, trends and policies</i> <b>Irina Celades, Instituto de Tecnología Cerámica, Spain</b>
11:00 – 11:15	<i>Reporting of climate risks and ESG information</i> <i>An investigation on ETF fossil free and low carbon investment.</i> <b>Federica Doni, Andrea Gasperini</b>	<i>Investigation of Environmental Services Valuation towards inter-organizational system frameworks of circular economy</i> <b>Vasilis Kapsalis, Grigorios L. Kyriakopoulos, K Aravossis</b>	<b>11:00 – 12:00 Part II - Breakout groups</b>
			<i>Design</i> <b>Cristina Rocha, David Camocho</b>
11:15 – 11:30	<i>From a manufacturer of wooden games to a Product-Service System company: a case study on Business Model Innovation as a way of improving sustainable aspects of products.</i> <b>Luana Lott Alves, Cinthia Moysés Gonçalves, Eduardo Romeiro Filho</b>	<i>Nordic Green to Scale: Nordic low-carbon success stories to inspire the world</i> <b>OrasTynkkynen (ed.)a, Jan-IvarKorsbakkenb, BorgarAamaasb, Brynhildur Davidsdottir</b>	<i>Business Models</i> <b>Rainer Pamminger</b>

11:30 – 11:45	<i>Sustainable lifestyles &amp; sharing economy: Consumer-to-consumer platforms in tourism.</i>  <b>Emilie Fort, Gabriel Weber</b>		<i>Stakeholders</i> <b>Oihana Hernaez, Maria Kalleitner-Hubber</b>
11:45 – 12:00			<i>Education</i> <b>Irina Celades</b>
12.00 – 12.30	<b>Coffee Break</b>		
	<b>GIS and Food</b>	<b>Resource Efficiency and Resources</b>	<b>Sustainable/Smart Cities and Communities (Special Session)</b>
	<b>Chairs:</b> <i>Kalleitner-Huber, Lazell, Morone</i>	<b>Chairs:</b> <i>Lybaek Rikke, Pamminger R., Armstrong C.</i>	<b>Chair:</b> <i>Hans Schnitzer</i>
12.30 – 12:45	<i>Evaluation with GIS: the impacts of bike paths on the sustainability of a city.</i>  <b>Ricardo Henryque Reginato Quevedo Melo, Evanisa Fátima Reginato Quevedo Melo, Rodrigo Henryque Reginato Quevedo Melo, José Humberto Quevedo Melo</b>	<i>Eco-innovation through cost-competiveness in the offshore wind turbine industry</i>  <b>Jonas Pagh Jensen</b>	<i>Entrepreneurship in Urban Areas</i>  <b>Hans Schnitzer, Nana Pötsch, Barbara Hammerl</b>
12:45 – 13:00	<i>Planning the change at a projected bicycle path and its impacts at sustainability with the use of GIS and indicators.</i>  <b>R H R Q Melo, E F R Q Melo, R H R Q Melo, J H Q Melo</b>	<i>Assessing the Circular Economic benefits and challenges of Biogas production when utilizing Sand bedding in dairy cow stables</i>  <b>Lybaek Rikke, Tyge Kjær</b>	<i>Jacky_cool_check</i>  <b>Ingrid Kaltenecker, Gudrun Lettmayer, Maja Zuvela-Aloise, Konrad Andre</b>

13:00 – 13:15	<i>The use of GIS to diagnosis the changes at the city planning.</i> <b>R H R Q Melo, E F R Q Melo, R H R Q Melo, J H Q Melo.</b>	<i>Small Island Developing States, Renewable Energy Transitions and OTEC</i> <b>Jaco Quist, Kornelis Blok, Berend Jan Kleute</b>	<i>Political ecology and socio-environmental conflicts in Germany: The case of re-municipalisation for urban regeneration, eco towns, and regional prosperity</i> <b>Gabriel Weber, Ignazio Cabras</b>
13:15 – 13.30	<i>UrbanFoodSpots – System for closing the gap between foodwaste and need for food in urban areas.</i> <b>Maria Kalleitner-Huber, Gabriele Mraz, Margit Pohl</b>	<i>Modelling and model based data analysis as basis for next generation CP auditing methods</i> <b>Krenn, C., and Fresner, J. STENUM GmbH</b>	<i>Empowering Urban Community towards Smart district co-governance</i> <b>Elena De Nictolis, Francesca Cappellaro etal</b>
13.30 - 13.45			<i>Analyzing urban spatial scenarios for local energy and transport systems with regional integrated models</i> <b>K Gomi, T Fujita, S Maki</b>
13.45 – 14.00			<i>Interpretation Design Contributions to Heritage Sustainability: A Brazil Case Study</i> <b>Luciana Guizan Aureliano, Luana Lott Alves, Eduardo Romeiro Filho</b>
14:00 – 14:30	DISCUSSION		DISCUSSION AND CONCLUSIONS

Lunch Break			
	ROOM 1	ROOM 2	ROOM 3
			<b>WS: Accelerating urban transition / BMVIT/SMACC project (Special Session)</b>
			<b>Chair: Hans Schnitzer</b>
<b>15:30 – 18:30</b>			Presentation of the project Open paper session and discussion
<b>18.30</b>	<i>ERSCP/SCORAI/PREPARE joint meeting</i>		
<b>20.00</b>	<i>BARBECUE DINNER – BANQUET</i>		
<b>Thursday 05/10/2017</b>			
	<b>ROOM 1</b>		
<b>09:00 – 10:30</b>	<b>Roundtable: Wrapping up the conference and concluding remarks</b>		
<b>10.30 – 15.00</b>	<b>Visit to the Koukounaries Habitat and Skiathos Biological Treatment Plant</b>		
	<b>Optional boat trip</b>		

**POSTER PRESENTATION ( Monday, 2/10, 11.00 - 14.00)**

*A new multicriteria method for evaluating urban development proposals, C Nikoloudis, E Strantzali, K Rentzis and K Aravossis*

*Breaking down the barriers: the impact of environmental knowledge on psychological barriers to energy conservation behavior, İ Dursun, E T Kabadayı and A T Tuğer*

*Ecology mobility: the bike lane as a sustainable solution into a university campus, R H R Q Melo, E F R Q Melo, R H R Q Melo, M S Kressin, D G Grandó , L M Destri*

*Bottom-up environmental improvements in the supply chain: A survey of non-implementing companies. S Mejía-Dugand, M Thiell and A Quiñones-Sánchez*

*Expectations vs. Competencies? - Sustainability Transition of Universities M.Besenyei, Á. Zsóka*

*Dimensions of Household Food Waste, V. Mavrakis*

*Scaling up circular transition experiments - a case study on barriers of and mechanisms for community initiatives, Marie Josefine Hintz*

*Social innovation and practicing sustainability transitions: a cross-case comparison of five Dutch ecovillages I. A. Marselis, F Avelino, J. N. Quist, U Pesch*

*Cooperative urban development – how to integrate informal participation processes into formal urban planning processes. Lessons learnt from the Smart City Project Graz, B Hammerl, E. Rainer, E Oswald and O Konrad and S Reis*

*Can sustainable fashion be cool? Brown Vanessa, Amy Twigger Holroyd*

*Circular public procurement – Approaches and evidence from the Nordic countries, Alhola Katriina, Hanna Salmenperä*

*India Inc Advancing to SDGs: Integrating Principles of Sustainability with CSR, Radhika Ralhan*

*Financing a circular economy: What can we learn from related literature streams? K A Whalen and L Kasnitz*

<i>The Circularity Compass – identifying circular strategies,</i> <b>Blomsma Fenna</b>
<i>Towards Better Practices of Circular Economy and Related Methods on Interrelationships among Sustainability, Food Systems and Diet,</i> <b>Lu Tianchu, , Anthony Halog</b>
<i>The circularity options grid: primary considerations for circular economy business models,</i> <b>Brennan Geraldine,Fenna Blomsma</b>
<i>The role of stakeholder analyses in circular business models: a conceptual framework,</i> <b>V. Scholten, H. Khodaei, A. Naiknavare</b>
<i>Eating - out space in high density urban dwelling Case study: Petak Sembilan-Pancoran, Glodok, West Jakarta ,</i> <b>Olga NauliKomala,ST, M.Ars. and Ir. EvawaniEllisa, M.Eng, Ph.D</b>
<i>New social practices and policies in the food system transition,</i> <b>Isabel Salavisa and Maria de Fátima Ferreiro</b>
<i>Life cycle analysis as a resource efficiency tool in the agri-food sector of Bogota-Cundinamarca: a case study of the dairy cluster</i> <b>Prias Tatiana</b>
<i>Could black be the new gold? Eco-challenges in the development of a new luxury material for jewelry,</i> <b>De Giorgi Claudia</b>

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