





Sunday 3rd April 2016	
15:00-17:00	Registration
17:00-18:30	Welcome reception & Poster session
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           Poster session sponsored by:   </div> <div style="width: 45%;">           Drinks reception sponsored by:   </div> </div>

Monday 4th April 2016	
08:00-09:00	Registration
09:00-09:05	<b>Opening address by the conference Chair</b> K. Kümmerer, <i>Leuphana Universität Lüneburg, Germany</i>
09:05-09:30	<b>Welcome Address</b> B. Hendricks, <i>Federal Minister for the Environment, Nature Conservation, Building and Nuclear Safety, German Federal Government</i>
09:30-09:50	T. Lindhorst, <i>President of the GDCh (German Chemical Society), Chair of Organic and Biological Chemistry, Institute of Organic Chemistry, University of Kiel, Germany</i>
09:50-10:00	P. Terheggen, <i>Managing Director, Elsevier, The Netherlands</i>
10:00-10:45	<b>[K.01] Redesigning the material basis of our society and our economy</b> P. Anastas, <i>Yale University, USA</i>
10:45-11:15	Coffee break & Poster viewing
11:15-12:30	<b>Top 5 proposals - Green Chemistry Challenge</b>
11:15-11:30	<b>[T.1] Sustainable Fertilizer Delivery Systems and Biosorbents</b> E. Chiang, <i>UCSI University, Malaysia</i>
11:30-11:45	<b>[T.2] Biopesticide for improvement of paddy yield</b> S. Yusup, <i>Universiti Teknologi, Malaysia</i>
11:45-12:00	<b>[T.3] Sustainable textile dyeing using nanocellulosic fibers</b> Y. Kim, <i>University of Georgia, USA</i>
12:00-12:15	<b>[T.4] Bio-Aqua water purification</b> L. Lucia, <i>Forest Biomaterials, Chemistry, USA</i>
12:15-12:30	<b>[T.5] To provide an eco-friendly, low cost clean water solution</b> A. Ghosh Roy, <i>LMU Munich, Germany</i>
12:30-13:30	Lunch & Poster session
13:30-17:50	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <b>Session 1 - Mineral Resources and Recycling</b>            Room: Pavillon            Chairs: C. Gellermann &amp; M. Hempel         </div> <div style="width: 45%;"> <b>Session 2 - Non-fossil sources for old and new organic molecules</b>            Room: Charlottenburg            Chairs: N. Gathergood &amp; Z. Liu         </div> </div>
13:30-14:05	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <b>[K.02] Criticality of Metal-Based Functional Materials</b>            A. Reller  <i>University of Augsburg, Germany</i> </div> <div style="width: 45%;"> <b>[K.03] Towards the Circular Economy with Green Chemistry</b>            J. Clark  <i>University of York, UK</i> </div> </div>

14:05-14:30	<p><b>[Inv.01] Conflict minerals (3TG) mining production and recycling</b> B. Barume <i>Université Officielle de Bukavu, Democratic Republic of Congo</i></p>	<p><b>[Inv.02] Aroma molecules from renewable resources</b> J. Panten <i>Symrise AG, Germany</i></p>
14:30-15:00	Coffee break & Poster viewing	
15:00-15:20	<p><b>[O1.1] New "green" biotechnical concepts for the recovery of metals from primary and secondary resources</b> K. Pollmann*, J. Raff, S. Hopfe, S. Matys, F. Lederer, <i>Helmholtz-Zentrum Dresden-Rossendorf, Institute Freiberg for Resource Technology, Germany</i></p>	<p><b>[O2.1] Keeping more naturally formed chemical bonds and units in raw biomass via fractional conversion to get higher selectivity to chemicals</b> C.W. Hu <i>Sichuan University, China</i></p>
15:20-15:40	<p><b>[O1.2] New separation technologies for the recovery of raw materials</b> K. Bokelmann, C. Gellermann*, R. Stauber <i>Fraunhofer Project Group IWKS, Germany</i></p>	<p><b>[O2.2] Natural vinyl phenols as building blocks for chemistry and polymers</b> C. Aouf*<sup>1</sup>, E. Zago<sup>2</sup>, J. Lecomte<sup>2</sup>, F. Fine<sup>3</sup>, P. Villeneuve<sup>2</sup> <sup>1</sup>INRA, France, <sup>2</sup>CIRAD, France, <sup>3</sup>Terres Inovia, France</p>
15:40-16:00	<p><b>[O1.3] Catalytic activity and recyclability of polymer supported palladium nanoparticles in organic reactions in water</b> M.M. Dell'Anna*<sup>1</sup>, S. Intini<sup>1</sup>, M. Mali<sup>1</sup>, G. Romanazzi<sup>1</sup>, A. Rizzuti<sup>1</sup>, V.F. Capodiferro<sup>2</sup>, C. Leonelli<sup>3</sup>, P. Mastroilli<sup>1</sup> <sup>1</sup>Polytechnic of Bari, Italy, <sup>2</sup>University of Bari, Italy, <sup>3</sup>University of Modena and Reggio Emilia, Italy</p>	<p><b>[O2.3] Galactaric acid production catalyzed by PQQ-dependent glucose dehydrogenase</b> R. Sakuta*, K. Takeda, H. Ohno, N. Nakamura <i>Tokyo University of Agriculture and Technology, Japan</i></p>
16:00-16:20	<p><b>[O1.4] Discrete event simulation of bio-process system efficiency and process optimisation for CO2 removal and bio-fuel production - a vision for future sustainable fuels</b> C.R. Campbell*, C.J. Ennis, R.S. Court, T. Hawkins, <i>Teesside University, UK</i></p>	<p><b>[O2.4] Terephthalic acid analogs from biomass</b> E.M. Serum, S. Sermadurai, N. Zimmermann, M.P. Sibi* <i>North Dakota State University, USA</i></p>
16:20-16:40	<p><b>[O1.5] Recycled rare earth permanent magnets for a sustainable use of wind power</b> J. Gassmann*<sup>1</sup>, O. Gutfleisch<sup>1,2</sup>, R. Gauß<sup>1</sup>, <sup>1</sup>Fraunhofer Project Group IWKS, Germany, <sup>2</sup>Technische Universität Darmstadt, Germany</p>	<p><b>[O2.5] Sustainable production of biobased organic acid monomers</b> A.B. De Haan <i>Corbion, The Netherlands</i></p>
16:40-17:00	<p><b>[O1.6] Sustainable developments at Imerys, a multi-mineral mining company</b> C. Theron*, D. Wicks <i>Imerys, USA</i></p>	<p><b>[O2.6] Homogeneous, heterogeneous and bio catalytic deoxygenation of biobased feedstocks</b> E.L. Scott<sup>1</sup>, R.W. Gosselink<sup>2</sup>, S.A.W. Hollak<sup>1</sup>, G. Dawes<sup>1</sup>, J. Le Notre<sup>1</sup>, D.S. van Es<sup>1</sup>, J. van Haveren<sup>1</sup>, J.H. Bitter*<sup>1,2</sup> <sup>1</sup>Wageningen University and Research Centre, The Netherlands, <sup>2</sup>Utrecht University, The Netherlands</p>
17:00-17:20	<p><b>[Inv.3] Green chemistry &amp; the economy of the future</b> Paul Hodges <i>International eChem, UK</i></p>	<p><b>[O2.7] The integrated forest biorefinery, a case study in green chemistry</b> M. Kannangara, S. Ben Cheikh, J. Chen, M. Marinova, J. Paris* <i>Polytechnique Montreal, Canada</i></p>
17:20-17:40	General discussion	General discussion

Tuesday 5th April 2016		
07:30-08:30	Registration	
09:00-13:00	<b>Session 3 - Synthesis and solvents</b> Room: Pavillon Chairs: J. Clark & J. Tickner	<b>Session 4 - Catalysis and Engineering</b> Room: Charlottenburg Chairs: L. Appels & S. Schorr
09:00-09:25	<b>[K.04] Green synthesis using CO<sub>2</sub> as a C1 building block</b> Z. Liu <i>Chinese Academy of Science, China</i>	<b>[K.05] Future biorefineries: A challenge for catalysis and engineering</b> R. Palkovits <i>RWTH Aachen, Germany</i>
09:25-09:50	<b>[Inv.04] Atom economy, catalysis and green toxicology: Tools for the delivery of sustainable chemistry based on ionic liquids</b> N. Gathergood <i>Technical University Tallin, Estonia</i>	<b>[Inv.05] Structural aspects and performance of solid catalysts: A few short stories</b> S.N. Raveendran <i>University of Amsterdam, The Netherlands</i>
09:50-10:10	<b>[O3.1] COSMO-RS for property prediction and solvent selection</b> M. Diedenhofen* <sup>1</sup> , A. Klamt <sup>1</sup> <sup>1</sup> <i>COSMOlogic GmbH&amp;CoKG, Germany, <sup>2</sup>University of Regensburg, Germany</i>	<b>[O4.1] Regio- and enantioselective Friedel-Crafts reaction catalysed by graphene oxide: A green approach</b> M.R. Acocella*, M. Maggio, M. Mauro, G. Guerra, <i>University of Salerno, Italy</i>
10:10-10:30	<b>[O3.2] About biosourced ionic liquids!</b> S. Hayouni, N. Ferlin, S. Bouquillon* <i>University Reims Champagne Ardenne, France</i>	<b>[O4.2] Heterogeneously catalyzed aqueous phase amination and isomerization of isohexides</b> R. Pfützner* <sup>*</sup> , M. Rose, <i>RWTH Aachen University, Germany</i>
10:30-10:50	<b>[O3.3] Rapid synthesis of a copper-imidazolate-amino acid framework using microwaves and its catalytic applications for carbon dioxide conversion</b> D.W. Park*, A.C. Kathalikkattil, <i>Pusan National University, Republic of Korea</i>	<b>[O4.3] Artificial intelligence integrated multiscale, multiphysics computational methods for green and sustainable chemistry</b> A. Miyamoto*, P. Bonnaud, R. Miura, A. Suzuki, N. Miyamoto, N. Hatakeyama, M. Hiriyama, <i>Tohoku University, Japan</i>
10:50-11:20	Coffee break & Poster viewing	
11:20-11:40	<b>[O3.4] HandaPhos: A ligand enabling ppm levels of palladium in Suzuki-Miyaura couplings – the density functional theory calculations</b> M.P. Andersson* <sup>1</sup> , S. Handa <sup>2</sup> , F. Gallou <sup>3</sup> , J. Reilly <sup>4</sup> , B.H. Lipshutz <sup>2</sup> <sup>1</sup> <i>University of Copenhagen, Denmark, <sup>2</sup>University of California, USA, <sup>3</sup>Novartis Pharma AG, Basel, Switzerland, <sup>4</sup>Novartis Institute for Medical Research, USA</i>	<b>[O4.4] Photobiocatalytic redox-reactions for the utilization of renewable resources</b> R. Kourist*, M.M. Nowaczyk, <i>Ruhr-Universität Bochum, Germany</i>
11:40-12:00	<b>[O3.5] Chemical modification of pectin with an eco-friendly process</b> S. De Luca*, E. Calce, <i>Institute of Biostructures and Bioimaging, National Research Council, Italy</i>	<b>[O4.5] Selective liquid phase adsorption: A promising tool for efficient separation in biorefineries</b> K. Schute*, R. Palkovits, M. Rose, <i>RWTH Aachen, Germany</i>
12:00-12:20	<b>[O3.6] Deep eutectic solvent – Designer solvent with biological activity</b> K. Radošević <sup>1</sup> , M.C. Bubalo <sup>1</sup> , A. Sander <sup>1</sup> , J.P. Kardum <sup>1</sup> , V.G. Srcek <sup>1</sup> , T. Jakovljević <sup>2</sup> , I.R. Redovniković* <sup>1</sup> <sup>1</sup> <i>University of Zagreb, Croatia, <sup>2</sup>Croatian Forest Research Institute, Croatia</i>	<b>[O4.6] Formaldehyde synthesis via CO and CO<sub>2</sub> hydrogenation in liquid media</b> A. Bahmanpour, A. Hoadley, A. Tanksale*, <i>Monash University, Australia</i>

12:20-12:40	<p><b>[O3.7] A green one-pot synthesis of novel Tocopherol analogues with potential antitumor activity</b> M. Ingold<sup>1</sup>, R. Dapuzo<sup>1</sup>, D. Tejedor<sup>3</sup>, F. Garcia-Tellado<sup>3</sup>, G.B. Plata<sup>2</sup>, J.M. Padrón<sup>2</sup>, W. Porcal<sup>1</sup>, G.V. López*<sup>1</sup> <sup>1</sup>Universidad de la República, Uruguay, <sup>2</sup>Universidad de La Laguna, Spain, <sup>3</sup>Consejo Superior de Investigaciones Científicas, Spain</p>	<p><b>[O4.7] Synthesis of cinchona alkaloid polymer catalysts for sustainable process of asymmetric reactions</b> S. Itsuno, Toyohashi University of Technology, Japan</p>
12:40-13:00	General Discussion	General Discussion
13:00-14:00	Lunch & Poster session	
14:00-17:50	<p><b>Session 5 – Greenness and Sustainability</b> Room: Pavillon Chairs: P. Barthelemy &amp; C. Blum</p>	<p><b>Session 6 - Renewable energies</b> Room: Charlottenburg Chairs: R. Palkovits &amp; J. Shiju</p>
14:00-14:35	<p><b>[K.06] Evaluation of sustainability of continuous flow chemistry using life cycle assessment</b> Alexei Lapkin University of Cambridge, UK</p>	<p><b>[K.07] Sustainable materials for high efficient solar energy conversion devices</b> S. Schorr Helmholtz Zentrum Berlin, Germany</p>
14:35-15:00	<p><b>[Inv.06] Mainstreaming green chemistry: The need for metrics</b> J. Tickner University of Massachusetts Lowell, USA</p>	<p><b>[K.08] The role of biogas in a sustainable future: fuel or feedstock?</b> L. Appels KU Leuven, Belgium</p>
15:00-15:20	<p><b>[O5.1] Development of green and sustainable corrosion inhibitors: Present, past and future scenario</b> M.A. Quraishi Indian Institute of Technology (Banaras Hindu University), India</p>	<p><b>[O6.1] Towards room-temperature H<sub>2</sub> generation from C<sub>1</sub>-molecules and H<sub>2</sub>O</b> M. Prechtl University of Cologne, Germany</p>
15:20-15:40	<p><b>[O5.2] Dissolution of the green alga <i>Ulva rigida</i> using ionic liquid systems</b> R. Pezoa-Conte<sup>1</sup>, A. Leyton<sup>2</sup>, P. Mäki-Arvela*<sup>1</sup>, I. Anugwom<sup>1</sup>, J. Paranko<sup>4</sup>, S. Willför<sup>1</sup>, M. Muszynski<sup>5</sup>, J. Nowicki<sup>5</sup>, M.E. Lienqueo<sup>2</sup>, J.P. Mikkola<sup>3</sup> <sup>1</sup>Åbo Akademi University, Finland, <sup>2</sup>University of Chile, Chile, <sup>3</sup>Umeå University, Sweden, <sup>4</sup>University of Turku, Finland, <sup>5</sup>Institute of Heavy Organic Synthesis ICHO Blachownia, Poland</p>	<p><b>[O6.2] Environmentally-friendly organic electrode material synthesis and lithium recycling from spent Li-ion batteries</b> S. Renault*, A. Oltean, D. Brandell Uppsala University, Sweden</p>
15:40-16:00	<p><b>[O5.3] Sustainable and environmentally friendly allylation of organosolv lignin</b> L.C. Over*, M.A.R. Meier Karlsruhe Institute of Technology, Germany</p>	<p><b>[O6.3] A photo-electrochemical water treatment for the storage of solar energy into a clean fuel through the degradation of emerging contaminants</b> A. Molinari*, G. Longobucco, S. Caramori, V. Cristino, L. Pasti, C.A. Bignozzi University of Ferrara, Italy</p>
16:00-16:30	Coffee break & Poster viewing	
16:30-16:50	<p><b>[O5.4] Green waste-derived gels as adsorbents for water depollution</b> M.L. Tummino*<sup>1</sup>, M. Cerruti<sup>2</sup>, A. Bianco Prevot<sup>1</sup>, G. Magnacca<sup>1,3</sup> <sup>1</sup>Università di Torino, Italy, <sup>2</sup>McGill University, Canada, <sup>3</sup>NIS centre, Italy</p>	<p><b>[O6.4] Hydrogen gas purification and separation for clean energy application</b> N.C. Nwogu, I. Orakwe*, M.N. Kajama, E. Gobina, Robert Gordon University, UK</p>
16:50-17:10	<p><b>[O5.5] Renewable biodegradable copolyesters based on Poly(3-hydroxyalkanoates) and Isosorbide</b> C. Lorenzini, D.L. Versace, E. Renard, V. Langlois*</p>	<p><b>[O6.5] Biofuels (FAEEs) from rare oils of the Tunisian Republic</b> D. Bolonio*<sup>1</sup>, L. Canoira<sup>1</sup>, T. Houachri<sup>2</sup>, J. Rodríguez-Fernández<sup>3</sup>, M. Lapuerta<sup>3</sup></p>

	ICMPE Université Paris Est Créteil, France	<sup>1</sup> Universidad Politécnica de Madrid, Spain, <sup>2</sup> Faculté des Sciences de Tunis, Tunisia, <sup>3</sup> Universidad de Castilla La Mancha, Spain
17:10-17:30	<b>[O5.6] Geopolymer, a working material for a significant reduction in CO2 pollution</b> C.H. Rüscher Leibniz University Hannover, Germany	<b>[O6.6] Dissipated energy analysis in TiO2-graphene/Si based solar cell in application for consideration of excitons generation harvesting enhancement</b> A. Rosikhin*, I. Syuhada, F.A. Noor, V. Suendo, T. Winata Institut Teknologi Bandung, Indonesia
17:30-17:50	General Discussion	General Discussion
19:15-22:30	<b>Offsite Dinner @ Wasserwerk, Berlin (optional – ticket required) – see information board for transfer arrangements.</b> Including Green and Sustainable Chemistry Challenge prize giving	

Wednesday 6th April 2016		
08:30-12:00	<b>Session 7 - Overarching approaches and new business models</b> Room: Pavillon Chairs: H. Krist & A. Lapkin	<b>Session 8 - Green and Sustainable Products</b> Room: Charlottenburg Chairs: J. Panten & R. Weber
08:30-09:05	<b>[K.09] Exploring green/sustainable chemistry and innovative business models such as chemical leasing in the context of the un-sustainability agenda 2030</b> P. Schwager United Nations Industrial Development Organization, Austria	<b>[K.10] Benign by Design - A Versatile Framework For Both Green And Sustainable Chemistry</b> K. Kümmerer Leuphana Universität Lüneburg, Germany
09:05-09:30	<b>[Inv.07] The 2030 Agenda for Sustainable Development and the Sound Management of Chemicals and Waste Until and Beyond 2020</b> A. Halpaap United Nations Environment Programme (UNEP), Switzerland	<b>[Inv.08] Symbiosis of Chemistry and Biology: Biodegradable and Renewable Polymers</b> Carsten Sinkel BASF, Germany
09:30-10:00	Coffee break & Poster viewing Poster session sponsored by Cefic	
10:00-10:20	<b>[O7.1] Sustainable chemistry: Strategies and initiatives of the German Environment Agency (UBA)</b> C.F.T. Blum*, H-C. Stolzenberg German Federal Environment Agency, Germany	<b>[O8.1] D-Xylose and L-Rhamnose based surfactants with original properties</b> F.O. Akong <sup>1</sup> , Y. De Gaetano <sup>1</sup> , M. Nasir <sup>2</sup> , M. Deleu <sup>2</sup> , S. Bouquillon* <sup>1</sup> <sup>1</sup> University Reims Champagne Ardenne, France, <sup>2</sup> Gembloux AgroBioTech, Belgium
10:20-10:40	<b>[O7.2] Knowledge challenges for responsible supply chain management of chemicals in textiles – as experienced by procuring organisations</b> N. Börjeson* <sup>1</sup> , M. Gilek <sup>1</sup> , M. Karlsson <sup>1</sup> <sup>1</sup> Södertörn University, Sweden, <sup>2</sup> KTH Royal institute of technology, Sweden	<b>[O8.2] Decision making tools in the production systems of personal care products</b> S. Temizel* <sup>1, 2</sup> , N. Ciliz <sup>1, 2</sup> <sup>1</sup> Bogazici University, Turkey, <sup>2</sup> Bogazici University Sustainable Development and Cleaner Production Center, Turkey
10:40-11:00	<b>[O7.3] Exploring business model design in the biobased industry</b> L.V. Teixeira*, F.C. Alves, J.V. Bomtempo, F.A. Oroski, Universidade Federal do Rio de Janeiro, Brazil	<b>[O8.3] Pretreatment of biomass with aqueous hydroxides: Is cellulose dissolution worthwhile?</b> B.B.Y. Lau*, L. Aldous, University of New South Wales, Australia

11:00-11:20	<b>[O7.4] Development of a green and sustainable clean up system for domestic water purification in Ecuadorian areas impacted by oil activity</b> A. Ter Halle* <sup>1</sup> , L. Ladirat <sup>1</sup> , E. Perez <sup>1</sup> , S. Becerra <sup>2</sup> , L. Maurice <sup>2</sup> <sup>1</sup> IMRCP UMR 5623, France, <sup>2</sup> GET-OMP, France	<b>[O8.4] Development of reduced NiMo – Al<sub>2</sub>O<sub>3</sub> catalysts for renewable diesel production</b> E. Kordouli* <sup>1</sup> , K. Bourikas <sup>2</sup> , C. Kordulis <sup>1,3</sup> , A. Lycourghiotis <sup>1</sup> <sup>1</sup> University of Patras, Greece, <sup>2</sup> School of Science and Technology, Hellenic Open University, Greece, <sup>3</sup> Foundation for Research and Technology, Institute of Chemical Engineering Sciences, Greece
11:20-12:00	General Discussion	General Discussion
12:00-13:00	Lunch & Poster session	
13:00-15:40	<b>Session 9 – Ethics, legislation and economics</b> <b>Room: Pavillon</b> <b>Chairs:</b> A. Halpaap & P. Schwager	<b>Session 10 - The context</b> <b>Room: Charlottenburg</b> <b>Chairs:</b> R. van Daalen & TBC
13:00-13:35	<b>[K.11] Ethics, legislation and economics</b> A. Nies <i>German Ministry for the Environment, Nature Conservation, Building and Nuclear Safety, Germany</i>	<b>[K.12] Chemical Industry's innovations to achieve sustainability goals</b> P. Barthelemy <i>CEFIC, Belgium</i>
13:35-14:00	<b>[Inv.09] Sustainable chemistry in the textile value chain</b> H. Krist <i>Deutsche Gesellschaft für Internationale Zusammenarbeit, Germany</i>	<b>[Inv.10] The Substitution of Hazardous Chemicals in the International Context - Opportunity for Promoting Sustainable Chemistry</b> R. Weber <i>Weber Consulting, Germany</i>
14:00-14:20	<b>[O9.1] The myth of the sustainable lifestyle</b> M.J. Vandeman, <i>USA</i>	<b>[O10.1] Sustainable polymeric building materials based on post-consumer plastics part one: Tank bottom</b> S.P. Cestari*, L.C. Mendes, E.B. Mano <i>Universidade Federal do Rio de Janeiro, Brazil</i>
14:20-14:40	<b>[O9.2] Recirculation: A new concept to drive innovation in green product design</b> J.R. Sherwood*, L. Herrero-Davila, T.J. Farmer, J.H. Clark, <i>University of York, UK</i>	<b>[O10.2] Eco-friendly fungal treatment improves the fuel value of oil palm wood to that of rubberwood</b> B. Cherdchim <i>Prince of Songkla, Thailand</i>
14:40-15:00	<b>[O9.3] The applications of polystyrene waste as an adhesive</b> D. Dass*, A. Mwashu, W. Wilson <i>The University of the West Indies, Trinidad and Tobago</i>	<b>[O10.3] Study of mass transfer and hydrodynamics for post-combustion CO<sub>2</sub> capture</b> S. Mirzaei* <sup>1</sup> , A. Shamiri <sup>2</sup> , M.K. Aroua <sup>1</sup> <sup>1</sup> University Malaya, Malaysia, <sup>2</sup> UCSI University, Malaysia
15:00-15:20	<b>[O9.4] Green chemistry as an ethical imperative for university chemical education</b> I.M. Kimlenka* <sup>1</sup> , T.A. Savitskaya <sup>1</sup> , D.D. Hrynshpan <sup>2</sup> <sup>1</sup> Belarusian State University, Belarus, <sup>2</sup> Research Institute for Physical and Chemical Problems, Belarus	<b>[O10.4] The role of 'time' in understanding and managing complex systems towards sustainability: Insights from an analysis of raw material strategies</b> A. Weiser*, K. Kümmerer, D.J. Lang, <i>Leuphana University, Germany</i>
15:20-15:40	<b>[O9.5] Phasing out trichloroethylene in the European Union - lessons from the use of bans, taxes and emission standards</b> D. Slunge*, T. Sterner <i>University of Gothenburg, Sweden</i>	General discussion
15:40-16:00	General discussion	
16:00-16:20	Conference closing & poster awards	