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### Poster Social (1st Session) Tuesday, 22 September 2015 University Hall 2	10:30		a the arban water cycle. Wowing towards sus-	talifable solutions				
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Sunday, 20 September 2015								
Leipziger KUBUS Hall 1A		Leipziger KUBUS Hall 1B		Leipziger KUBUS Hall 1CD		Leipziger KUBUS Hall 2		
	Satellite Event 4: Combining strategies and tools to identify priority chemicals in the environmen		Satellite Event 1: Recent advancements in wastewater based epidemiology		SE 5: Unconventional gas and oil production employing hydraulic fracturing: Challenges for environmental and analytical chemistry		SE 2: The environmental and health challenges of E-Waste and its management: an emerging 21st century global concern	
13:00	Welcome and scope of the Satellite Event		Introduction to wastewater based epidemiology: novelty and advancements of the approach	13:00 Welcome Hans Hermann Richnow		09:00	Welcome	
13:10	Early identification of organic chemicals with a potential for long-term environmental contamination Martin Scheringer	13:30	Adrian Covaci, University of Antwerp, Belgium on behalf of Sara Castiglioni, Mario Negri Institute, Italy	13:05	Hydraulic Fracturing Chemicals Reported in Unconventional Gas Exploitation Martin Elsner	09:10	Keynote Speech: E-Waste; an opportunity for digital industry Erkki Ormala	
13:30	Prioritizing chemicals of emerging concern (CEC): some approaches being used in Canada and the USA Philip H. Howard	13:30	Flushing out Europe's drug habits over the past 5-years Pim de Voogt, KWR, Netherlands	13:30	Indications of Transformation Products from Hydraulic Fracturing Additives in Shale Gas Wastewater Kathrin Hoelzer	09:50	E-waste: Current Indian status and future prospective Debashish Chatterjee	
13:50	The NORMAN prioritisation concept: achievements and future goals Valeria Dulio	13:30		13:50	Groundwater microbial communities response to simulated spills of hydraulic fracturing-related fluids Nuri Jimenez	10:15	The Environmental and Health effects of Electronic Waste generation and Management in Lagos, Nigeria Seun Popoola	
14:10	Coffee break		Sewage-based epidemiology to track down the use of	14:10	Evaluating fluid-rock interactions in black shales by using	10:40	Coffee Break	
14:40	Effect-directed analysis with TLC in combination with non- target screening using HPLC-HRMS – A promising concept 14:00	14.00	new psychoactive substances: challenges and pitfalls Adrian Covaci, University of Antwerp, Belgium		autoclave experiments Andrea Vieth-Hillebrand	11:15	E-waste as a challenge for environmental governance.	
	in environmental analysis to prioritize and identify contaminants			14:30	Coffee break		A criminological analysis Lieselot Bisschop	
15:00	Using REACH registration data for the identification of persistent, mobile and toxic substances to protect raw water resources Lena Vierke	14:30	Coffee Break	15:00	Fingerprinting and marker identification of fracking fluids in contaminated natural waters with ultra-high resolution mass spectrometry Oliver Lechtenfeld	11:40	Summary of morning session	
		14:50	Community Sensors for Monitoring Public Health using Wastewater-Based Epidemiology Zhugen Yang, University of Bath, UK	15:15	Groundwater monitoring during hydraulic fracturing: what can stable isotopes do? Carsten Vogt	12:00	Lunch	
15:20	Leg stretcher	45.20 0 % 1 1				13:00	Roundtable Discussion/Q&A session	
15:30	Round Table discussion	15:20	Wastewater-based epidemiology and future perspectives: testing urban water for community-wide public health assessment Barbara Kasprzyk-Hordern, University of Bath, UK	15:45	The Water Chemistry Society's Comment on the Draft Law What are the most prevalent scientific research gaps in addressing environmental impacts of hydraulic fracturing? Martin Elsner			
16:10	Concluding remarks	Roundtable Discussion 15:40 -16:10 Roundtable Discussion 15:55 Is hydraulic fracturing a real ground water thread? Variou opinions on shale gas explorations Podium Discussion with Avner Vengosh, Martin Krüger /		Is hydraulic fracturing a real ground water thread? Various opinions on shale gas explorations	14:00 -16:00	IUPAC task group inaugural meeting (for project team members)		
16:30	Shuttle bus from Leipziger KUBUS to Universi	ty Leipzig			Nana America, Hans H. Melmon, M.			
			University Leipzig Net	ues Augus	teum & Audimax			
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17:00	Opening Ceremony David Cole-Hamilton, President EuCheMS Walter Giger, Past President DCE Prof. Beate Schücking, Rector of University of Leipzig Thorsten Reemtsma, Conference Chairman							
17:30	Plenary lecture An overview of the risks to water resources from unconventional energy exploration and hydraulic fracturing Avner Vengosh							
18:15 -19:30	Welcome Reception							

		Monday, 21 September 2015						
		University Leipzig AUDIMAX Welcome						
9:00	Prof. Georg Teutsch, Scientific Director UFZ Andreas Müller, City of Leipzig , First Deputy Mayor Walter Giger, DCE							
	Plenary lecture: Water quality and the urban water cycle: Moving towards sustainable solutions							
9:45	Janet Hering - Eawag: Swiss Federal Institute of Aquatic Science and Technology, Duebendorf, Switzerland Chair: Martin Jekel							
		University Leipzig Lecture Building						
10:30	Coffee, Poster & Exhibition	, , , , ,						
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	Lecture Buildung Hall 1	Lecture Buildung Hall 2	Lecture Buildung Hall 8					
	Emerging contaminants - 1 Chairs: Ester Heath, Walter Giger	Metals, metalloids and elemental speciation Chairs: Heinz Rüdel, Sirpa H. Herve	Chemical risk and regulatory issues Chair: Adolf Eisenträger					
1:00	Keynote lecture: Analysis of emerging organic substances in	Recommended analytical methods for global Mercury	Authorisation of chemicals under REACH: A multimedia stock-					
	water, fish, and suspended particulate matter (SPM) in the	monitoring in marine environment Emilia Vasileva-Veleva , Sabine Azemard, Luis Carassco, Petko	pollution approach to inform the socio-economic analysis of					
	Joint Danube Survey using solid-phase extraction followed by UHPLC-MS-MS and GC-MS analysis	Mandjukov	PBT/vPvB chemicals <u>Silke Gabbert</u> , Monika Nendza					
	Robert Loos , Simona Tavazzi, Giulio Mariani, Gert Suurkuusk, Bruno							
4.20	Paracchini, Gunther Umlauf		Consideration of the site of t					
1:30	Surfactants homologues profiling by non-target screening in sediment and Cladophora extract from freshwater river	Assessment of surface water monitoring data: application of biotic ligand model-based software applications to address the	Screening and prioritization of chemicals for REACH: the Cumulative PBT index model in QSARINS					
	Harry Byers , Lisa Krauskopf, Martin Krauss, Mechthild Schmitt-	bioavailability of metals	<u>Paola Gramatica</u> , Stefano Cassani, Alessandro Sangion, Ester Papa					
1:50	Jansen, Werner Brack Simultaneous determination of BMAA, 2,4-DAB, Saxitoxin and	Heinz Ruedel Dynamic extraction using rotating coiled columns for studies on	Pesticide field concentrations exceed FOCUS surface water					
1.50	neoSaxitoxin in water, using SPE HILIC-LC-MS/MS	the fractionation and bioaccessibility of trace metals/metalloids	predictions					
	Korina Manolidi, Sevasti-Kyriaki Zervou, Christophoros	in environmental solids	Anja Knaebel ,Sebastian Stehle, Ralf B. Schäfer, Karsten Meyer, Jörg					
	<u>Christophoridis</u> , Triantafyllos Kaloudis, Theodoros Triantis, Anastasia Hiskia	Elena Savonina , Petr Fedotov	Rapp, Ralf Schulz					
2:10	Contamination levels of selected emerging halogenated organic contaminants in marine shellfish along French coasts	Development of a sequential extraction method to assess bioavailability of rare earth elements	Bridging across OECD 308 and 309 data in search of a robust transformation indicator					
	<u>Céline Tixier</u> , Nathalie Olivier, Karine Héas-Moisan, Charles Pollono,	Birgit Daus, Marc Mittermüller, <u>Jessica Saatz</u>	<u>Mark Honti</u> , Kathrin Fenner, Thomas Junker, Dieter Hennecke, Stefan					
	Bruno Veyrand, Philippe Marchand, Catherine Munschy		Hahn					
2:30	Keynote lecture: Are nanopesticides a new class of emerging	An innovative approach based on polymer inclusion membranes	Biocidal active substances in households – all covered by the					
	contaminants? <u>Thilo Hofmann</u> , Mélanie Kah	for the assessment of Zn bioavailability Enriqueta Antico , Clàudia Fontàs, Olga Serra, Ruben Vera, Gemma	Biocidal Products Regulation? <u>Stefanie Wieck</u> , Oliver Olsson, Klaus Kümmerer					
		Mostazo	, , , , , , , , , , , , , , , , , , , ,					
2:50	Lunch, Poster & Exhibition							
	Emerging contaminants - 2	Nanomaterials: from characterization to risk assessment - 1 Chair: Thilo Hofmann	Multimedia partitioning, transport and modeling - 1 Chair: Kai-Uwe Goss					
4:00	Chairs: Sirpa Herve, Roland Kallenborn Early identification of organic contaminants by a multimedia	The Risks of Manufactured Nanomaterials: A New Research	Keynote lecture: Mapping toxicodynamic parameters in chemi					
	fate model and high resolution mass spectrometry	Challenge for Environmental Chemistry	space					
	<u>Aurea Chiaia-Hernandez</u> , Greta Stieger, Martin Scheringer, Thomas D. Bucheli, Armin Keller, Daniel Wächter, Juliane Hollender	Danail Hristozov, Elena Semenzin, <u>Antonio Marcomini</u>	Roman Ashauer					
	D. Buchen, Armin Keiler, Daniel Wachter, Juliane Hollender							
4.20			2D OCAD - Later - If the state - Albert					
14:30	Occurrence and fate of nitrosamines and benzotriazoles in recycled water used for managed aquifer recharge	Comparing fate and behavior of engineered and natural nanomaterials	3D-QSAR: a better tool for predicting partition coefficients influenced by molecular steric effects?					
	Bradley Patterson , M.D. Alotaibi, M.M Pitoi, A.J. McKinley, A.Y.	Stephan Wagner , Andreas Gondikas, Elisabeth Neubauer, Frank von	<u>Lukas Linden</u> , Satoshi Endo, Kai-Uwe Goss					
	Reeder	der Kammer, Thilo Hofmann						
4:50	Monitoring emerging contaminants in wastewaters and the environment: The catchment approach	Combined effects of nanomaterials and chemicals: interactions with regard to internalization and effects in environmental	On the relation between substrate inhibition and bioavailabilit limitations inside hetergenous environments					
	Bruce Petrie , Barbara Kasprzyk-Hordern	organisms	Mehdi Gharasoo , Florian Centler, Lukas Wick, Martin Thullner					
5:10	Bioavailability of anthropogenic gadolinium and other	Dana Kühnel , Steffi Böhme Measuring at relevant concentrations - Radiolabelling as a	Fragment Model to Predict the Rate of Hydrolysis for Organic					
3.10	anthropogenic rare earth elements in surface waters	versatile tool for sensitive nanoparticle detection in complex	Compounds					
	Gila Merschel , Michael Bau	systems	<u>Ralph Kühne</u> , Ralf-Uwe Ebert, Gerrit Schüürmann					
		<u>Heike Hildebrand</u> , Stefan Schymura, Uwe Holzwarth, Elena Bellido, Isaac Ojea-Jiménez, , Matteo Dalmiglio, Giulio Cotogno, Neil Gibson,						
5:30	New insights in the Photolysis of Carbamazepine under	Detection of engineered cerium oxide nanoparticles in soils using	Air-soil exchange of semi-volatile organic compounds in a cent					
	environmentally relevant conditions by using a flow system on- line coupled to LC-HRMS	single particle ICP-TOF-MS Antonia Praetorius , Willi Fabienke, Alexander Gundlach-Graham, Jana	European receptor area: diurnal variations and influence of so moisture and soil properties					
	<u>Cindy Weidauer</u> , Bettina Seiwert, Thorsten Reemtsma	Navratilova, Detlef Günther, Frank von der Kammer, Thilo Hofmann	<u>Céline Degrendele</u> , Ondřej Audy, Jakub Hofman, Jiří Kučerík, Petr					
			Kukučka, Marie D. Mulder, Krisztina Pinter, Petra Přibylová, Roman Prokeš, Tatsiana Rusina, Milan Sáňka, Gabriele E. Schaumann, Foppe					
			Smedes. Gerhard Lammel					
5:50	Coffee, Poster & Exhibition		Smedes, Gerhard Lammel					
5:50	Coffee, Poster & Exhibition Analytical methods for trace analysis - 1	Nanomaterials: from characterization to risk assessment - 2	Smedes. Gerhard Lammel Multimedia partitioning, transport and modeling - 2					
.5:50	Analytical methods for trace analysis - 1 Chairs: Silvia Lacorte, Willem de Lange	Nanomaterials: from characterization to risk assessment - 2 Chair: Thilo Hofmann	Multimedia partitioning, transport and modeling - 2 Chairs: Gerhard Lammel, Roland Kallenborn					
	Analytical methods for trace analysis - 1 Chairs: Silvia Lacorte, Willem de Lange Automated evaluation of LC-HRMS full scan data for the rapid	Chair: Thilo Hofmann Natural transformation of silver and cerium oxide nanoparticles	Multimedia partitioning, transport and modeling - 2 Chairs: Gerhard Lammel, Roland Kallenborn Polychlorinated Biphenyls in Switzerland – New Insights into the					
	Analytical methods for trace analysis - 1 Chairs: Silvia Lacorte, Willem de Lange	Chair: Thilo Hofmann	Multimedia partitioning, transport and modeling - 2 Chairs: Gerhard Lammel, Roland Kallenborn					
	Analytical methods for trace analysis - 1 Chairs: Silvia Lacorte, Willem de Lange Automated evaluation of LC-HRMS full scan data for the rapid characterization of surface water samples	Chair: Thilo Hofmann Natural transformation of silver and cerium oxide nanoparticles and subsequent toxicological effects in aquatic environments	Multimedia partitioning, transport and modeling - 2 Chairs: Gerhard Lammel, Roland Kallenborn Polychlorinated Biphenyls in Switzerland – New Insights into the Transport and Deposition Processes					
.6:15 .6:35	Analytical methods for trace analysis - 1 Chairs: Silvia Lacorte, Willem de Lange Automated evaluation of LC-HRMS full scan data for the rapid characterization of surface water samples Martin Krauss, Christine Hug, Robert Bloch, Tobias Schulze, Werner Brack	Chair: Thilo Hofmann Natural transformation of silver and cerium oxide nanoparticles and subsequent toxicological effects in aquatic environments Christian Gagnon , Audrey Bruneau, Patrice Turcotte, Martin Pilote, François Gagné	Multimedia partitioning, transport and modeling - 2 Chairs: Gerhard Lammel, Roland Kallenborn Polychlorinated Biphenyls in Switzerland — New Insights into the Transport and Deposition Processes Juliane Glüge, Christian Bogdal, Martin Scheringer, Konrad Hungerbühler					
6:15	Analytical methods for trace analysis - 1 Chairs: Silvia Lacorte, Willem de Lange Automated evaluation of LC-HRMS full scan data for the rapid characterization of surface water samples Martin Krauss, Christine Hug, Robert Bloch, Tobias Schulze, Werner Brack Applications of the all-ions approach for non-target screening of water contaminants by high resolution tandem mass	Chair: Thilo Hofmann Natural transformation of silver and cerium oxide nanoparticles and subsequent toxicological effects in aquatic environments Christian Gagnon , Audrey Bruneau, Patrice Turcotte, Martin Pilote, François Gagné Chronic exposure to engineered nanomaterials: sedimentation kinetics by Centrifugal Separation Analysis (CSA)	Multimedia partitioning, transport and modeling - 2 Chairs: Gerhard Lammel, Roland Kallenborn Polychlorinated Biphenyls in Switzerland – New Insights into the Transport and Deposition Processes Juliane Glüge, Christian Bogdal, Martin Scheringer, Konrad Hungerbühler Limits of applicability of using the modified Bowen ratio to estimate gas fluxes of persistent organic pollutants					
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16:15	Analytical methods for trace analysis - 1 Chairs: Silvia Lacorte, Willem de Lange Automated evaluation of LC-HRMS full scan data for the rapid characterization of surface water samples Martin Krauss, Christine Hug, Robert Bloch, Tobias Schulze, Werner Brack Applications of the all-ions approach for non-target screening of water contaminants by high resolution tandem mass spectrometry Sylvain Merel, Sascha Lege, Jorge Yanez, Christian Zwiener Trends in Extraction of Chemical Information from N-	Chair: Thilo Hofmann Natural transformation of silver and cerium oxide nanoparticles and subsequent toxicological effects in aquatic environments Christian Gaqnan, Audrey Bruneau, Patrice Turcotte, Martin Pilote, François Gagné Chronic exposure to engineered nanomaterials: sedimentation kinetics by Centrifugal Separation Analysis (CSA) Andrea Brunelli, Alex Zabeo, Elena Semenzin, Danail Hristozov, Antonio Marcomini Sorption of pesticides to natural and synthetic nanoparticles	Multimedia partitioning, transport and modeling - 2 Chairs: Gerhard Lammel, Roland Kallenborn Polychlorinated Biphenyls in Switzerland – New Insights into the Transport and Deposition Processes Juliane Glüge, Christian Bogdal, Martin Scheringer, Konrad Hungerbühler Limits of applicability of using the modified Bowen ratio to estimate gas fluxes of persistent organic pollutants Damien Bolinius, Annika Jahnke, Matthew MacLeod Airborne PAH transfer into soils – A comparison study in karsti					
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6:15 6:35 6:55	Analytical methods for trace analysis - 1 Chairs: Silvia Lacorte, Willem de Lange Automated evaluation of LC-HRMS full scan data for the rapid characterization of surface water samples Martin Krauss, Christine Hug, Robert Bloch, Tobias Schulze, Werner Brack Applications of the all-ions approach for non-target screening of water contaminants by high resolution tandem mass spectrometry Sylvain Merel, Sascha Lege, Jorge Yanez, Christian Zwiener Trends in Extraction of Chemical Information from N-Dimensional Analytical Strategies Applied to Atmospheric Aerosols Armando C. Duarte, João Matos, Sónia Lopes, Andreia Paula, Regina Duarte Poster Social	Chair: Thilo Hofmann Natural transformation of silver and cerium oxide nanoparticles and subsequent toxicological effects in aquatic environments Christian Gagnan, Audrey Bruneau, Patrice Turcotte, Martin Pilote, François Gagné Chronic exposure to engineered nanomaterials: sedimentation kinetics by Centrifugal Separation Analysis (CSA) Andrea Brunelli, Alex Zabeo, Elena Semenzin, Danail Hristozov, Antonio Marcomini Sorption of pesticides to natural and synthetic nanoparticles Leyla Guluzada, Stefan Haderlein als, metalloids and elemental speciation Chemical risk and sessment Multimedia partitioning, transport and modeling &	Multimedia partitioning, transport and modeling - 2 Chairs: Gerhard Lammel, Roland Kallenborn Polychlorinated Biphenyls in Switzerland – New Insights into the Transport and Deposition Processes Juliane Glüge, Christian Bogdal, Martin Scheringer, Konrad Hungerbühler Limits of applicability of using the modified Bowen ratio to estimate gas fluxes of persistent organic pollutants Damien Bolinius, Annika Jahnke, Matthew MacLeod Airborne PAH transfer into soils – A comparison study in karsti mountain forests Marion Carteret, Liliane Savoye, Yves Perrette, Jérôme Poulenard, Emmanuel Malet, Philippe Fanget, Emmanuel Naffrechoux					

	Tuesday, 22 September 2015								
	Lecture Buildung Hall 3								
09:00	Plenary lecture: Water sustainability and climate change Jerald Schnoor - University of Iowa, Iowa City, USA								
33.00	Chair: Fritz Frimmel								
09:45	Award Ceremony: Prof. Karlheinz Ballschmiter (DCE-Award) Sebastian Scheinhardt (Paul-Crutzen-Award)								
10:30									
	Lecture Buildung Hall 1	Lecture Buildung Hall 2	Lecture Buildung Hall 8	Lecture Buildung Hall 7					
	Analytical methods for trace analysis - 2	Open Topic	Isotope techniques and application - 1	Soils and bound residues					
	Chairs: Philippe Garrigues, Martin Krauss Keynote lecture: Thresholds in trace analysis	Chair: Jan Triska Investigation on the catalytic activity of the red mud –	Chairs: Martin Elsner, Hans Hermann Richnow Keynote lecture: Current Challenges in Isotope Studies	Chairs: Andreas Schäffer, Christine Achten Long-term monitoring of organic pollutants in soil: a					
11:00	Silvia Lacorte	industrial waste – in different model reactions Tatjána Juzsakova, Akos Redey, Jozsef Nemeth, Viktor	of Environmental Contaminants: Multielement Isotope Analysis and Investigations of Micropollutants	conceptual approach to select chemicals potentially accumulating in soil					
		Sebestyen	Martin Elsner	<u>Daniel Wächter</u> , Thomas Bucheli, Andreas Gubler, Armin Keller, Reto G. Meuli, Peter Schwab					
11:30	Enhanced Raman spectroscopy – a novel technique for	Nanoparticles-based sensors for detection of thiourea in	_	Assessment of the biological and chemical availability					
	versatile environmental gas analysis Torsten Frosch , Anne Bachmann, Robert Keiner, Tobias	hydrometallurgical operations <u>Maria Guadalupe Sanchez Loredo</u> , Graciela Gonzalez,	subsurface using stable isotope analysis – theoretical assessment and reactive transport simulations	the freshly spiked and aged DDE in soil by various approaches					
	Jochum, Jürgen Popp	Fernando Battaglini, Ignacio Pedre, Gladis Labrada, Agustin Tashdjian	Martin Thullner , Falk Heße,Florian Centler	<u>Lucia Škulcová</u> , Lucie Bielská, Natália Neuwirthová, Jakub Hofman					
11:50	Possibilities of hybride quadrupole-orbital trap mass	Helium - abundant in the Universe, scarse on Earth. Take		Biogenic residue formation from pesticides in soil:					
	spectrometer for screening and identification of pharmaceuticals and their transformation products in	it or leave it? Willem de Lange	bacteria dominate the short-term decomposition of 15N labeled plant- + overview on Proteomics	extent and relevance for risk assessment <u>Karolina Nowak</u> , Shizong Wang, Bettina Seiwert, Anja					
	soils and sediments Roman Grabic , Olga Koba, Oksana Golovko, Antonín		Robert Starke, Rene Kermer, Lynn Ullmann-Zeunert, Ian Baldwin, Jana Seifert, Felipe Bastida, Martin von Bergen, <u>Nico</u>	Miltner, Andreas Schäffer, Thorsten Reemtsma, Matthias Kästner					
	Nikodem, Radka Kodešová		<u>Jehmlich</u>						
12:10	Highly sensitive analysis of 67 polycylic aromatic	Bacterial Cellulose Production by Komagataeibacter	Functional investigation of marine methylotrophic	Biogenic, non-extractable residues of pesticides					
	compounds in environmental samples by gas chromatography – atmospheric pressure laser ionization	hansenii using Algae-based Glucose <u>Huma Kurtoglu Uzyol</u> , Melek Turker Sacan	communities by protein based stable isotope probing <u>Martin Taubert</u> , Carolina Grob, Alexandra Howat, Oliver	<u>Claudia Poßberg</u> , Burkhard Schmidt, Markus Telscher, Dieter Schäfer, Andreas Schäffer					
	– mass spectrometry (GC-APLI-MS) Sigrid Große Brinkhaus, Christine Achten		Burns, Yin Chen, Nico Jehmlich, Martin von Bergen, Colin Murrel						
12:30	Environmental screening and monitoring for emerging	The benefits of pre-treating PCBs with DMSO for a high	Isotopic insights into the fate of anthropogenic	Influence of metals on PAHs biodegradation processes					
	pollutants by immunoanalytical methods N. A. M. Abdelshafi, C. Y. Véliz Montes, P. Carl, C. Knizia, H.	copper recovery by leaching with H2SO4 <u>Marco António Eira Martins</u> , Catarina Lopes Rodrigues, Maria	micropollutants in aquatic environments <u>Rani Bakkour</u> , Stefanie Jucker, BörjeSellergren, Thomas	in soils <u>Cristina Palet</u> , Oriol Baltrons, Montserrat López-Mesas,					
	Hoffmann, S. Schmidt, S. A. Roquette, L. Oberleitner, S. Gärtner, <u>Rudolf J. Schneider</u>	Margarida Marques Ribeiro, Maria Teresa Sena Esteves	Hofstetter	Carmen Gutierrez, Florence Koltalo					
12:50	Lunch, Poster & Exhibition								
	Fate and behavior of contaminants of emerging	Current advances in environmental risk assessment	Isotope techniques and application - 2	Biological effects of chemicals &					
	concern in the agricultural environment - 1 Chairs: Benny Chefetz, Josep M Bayona	of ionic organic chemicals - 1 Chairs: Satoshi Endo, Steven Droge	Chairs: Martin Elsner, Hans Hermann Richnow	Human exposure and toxicity - 1 Chair: Rolf Altenburger					
14:00	Keynote lecture: Fate and behavior of pharmaceutical sulfonamide antibiotics in agricultural soils Sören Thiele-Brun	Keynote lecture: Sorption interactions of ionizable organic compounds in soil environment Mikhail Borisover	Carbon stable isotope analysis (CSIA) of sulfamethoxazole during biodegradation by Microbacterium sp. strain BR1 and direct photolysis – a	Keynote lecture: Human exposure to contaminants of emerging concern Adrian Covaci					
			new approach to monitor environmental fate of pharmaceuticals <u>Danuta Cichocka</u> , Jan Birkigt, Tetyana Gilevska, Benjamin Ricken, Hans Hermann Richnow, Davide Vione, Ivonne Nijenhuis, Philippe FX. Corvini						
14:30	Towards to standardization in the experimental set up for the uptake of emerging organic pollutants by crops	Sorption of anionic, zwitterionic, and cationic per- and polyfluorinated alkyl substances to soil and sediment	Evaluation of brominated hydrocarbon transformation using dual C and Br compound specific isotope analysis	Influence of climate change on transport, levels, and effects of contaminants in Northern areas					
	under controlled conditions <u>Carles Hurtado</u> , Carmen Domínguez, Núria Cañameras, Jordi	<u>Krista Barzen-Hanson</u> , Markus Kleber, Jennifer Field	<u>Kevin Kuntze</u> , Angela Woods, Faina Gelman, Hans Hermann Richnow, Ivonne Nijenhuis	Pernilla Carlsson , Janet Pawlak, Lars-Otto Reiersen, Simon Wilson, Jesper H. Christensen, Katrine Borgå, Katrine Aspmo					
L4:50	Comas, Josep M Bayona Irrigation of root vegetables with treated wastewater:	Sorption of anionic and neutral species of organic acids	Hydrogen isotopic signature applied to determine the	Pfaffhuber, Jon Øyvind Odland, Roland Kallenborn Linking exposure pathways to biomarkers of flame					
	Evaluating uptake translocation and metabolism of pharmaceuticals	to carbonaceous sorbents - mechanisms and prediction <u>Gabriel Sigmund</u> , Thilo Hofmann, Huichao Sun, Melanie Kah	fate of polycyclic aromatic hydrocarbons in Mediterranean soils under climate change	retardants <u>Georg Becher</u> , Enrique Cequier, Cathrine Thomsen, Rosa					
	<u>Tomer Malchi</u> , Yehoshua Maor, Moshe Shenker, Benny Chefetz		<u>Carme Audí-Miró</u> , Montse Marquès, Montse Mari, Jordi Sierra, José L.Domingo, Martí Nadal Soler, Albert	Maria Marcé					
15:10	Polar pollutants and carbamazepine metabolites monitored in common vegetables irrigated with treated		Carbon and hydrogen compound-specific stable isotope analysis of organophosphorus pesticides for	Saliva as a biomarker of arsenic exposure <u>Debashis Chatterjee</u> , S. Bhowmick, D. Halder, J. Nriagu, M.					
	wastewater under field conditions								
	<u>Christina Riemenschneider</u> , Myah Goldstein, Marwan Al-	(MCPA) <u>Michael Kersten</u> , Daniel Tunega, Ivelina Georgieva	characterization of the degradation pathways in contaminated aquifers	Iglesias, J. Adhikari, D. Chatterjee					
	<u>Christina Riemenschneider</u> , Myah Goldstein, Marwan Al- Raggad, Bettina Seiwert, Monika Möder, Benny Chefetz, Elias Salameh, Thorsten Reemtsma			Iglesias, J. Adhikari, D. Chatterjee					
15.20	Raggad, Bettina Seiwert, Monika Möder, Benny Chefetz, Elias Salameh, Thorsten Reemtsma	<u>Michael Kersten</u> , Daniel Tunega, Ivelina Georgieva	contaminated aquifers <u>Langping Wu</u> , Shujuan Lian, Steffen Kümmel, Anko Fischer, Morten Bondgaard, Anja Melvej, Hans Hermann Richnow						
15:30	Raggad, Bettina Seiwert, Monika Möder, Benny Chefetz, Elias Salameh, Thorsten Reemtsma Findings of antibiotics in groundwater under worst case criteria in the agricultural environment in Germany	Michael Kersten , Daniel Tunega, Ivelina Georgieva Partitioning of ionic organic chemicals to proteins: Influences of solute molecular structure	contaminated aquifers <u>Langping Wu</u> , Shujuan Lian, Steffen Kümmel, Anko Fischer, Morten Bondgaard, Anja Melvej, Hans Hermann Richnow In situ microcosms and compound-specific stable isotope analysis (CSIA) for evaluating biodegradation of	Analysis of oxidative stress biomarker 8-iso- prostaglandin F2α in wastewater by liquid					
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15:50 17:45	Raggad, Bettina Seiwert, Monika Möder, Benny Chefetz, Elias Salameh, Thorsten Reemtsma Findings of antibiotics in groundwater under worst case criteria in the agricultural environment in Germany Sebastian Zuehlke, Stephan Hannappel, Frederike Balzer Poster Coffee (Poster presentations of 2 nd Session: Fate and behavior of chemicals & Human exposure and toxicity Atmosphere antural and man-made ecosystems Atmosphere 2 - Air Fate and behavior of contaminants of emerging concern in the agricultural environment - 2 Chairs: Benny Chefetz, Josep M Bayona Evidence for the impact of sulfamethoxazole residues or denitrification rates in soil and formation of transformation products of concern Serge Chiron, Céline Duwig, Sandra Perez Microbial quality of treated wastewater for agricultural reuse in Apulia region (Italy)	Michael Kersten , Daniel Tunega, Ivelina Georgieva Partitioning of ionic organic chemicals to proteins: Influences of solute molecular structure Luise Henneberger , Kai-Uwe Goss, Satoshi Endo of contaminants of emerging concern in the agricultural en endage of the contaminants of emerging concern in the agricultural en endage of the contaminants of emerging concern in the agricultural en endage of the contaminants of emerging concern in the agricultural en endage of the contaminants of emerging concern in the agricultural en endage of the contaminants of emerging concern in the agricultural en endage of the contaminants of emerging concern in the agricultural en endage of the contaminants of emerging concern in the agricultural en endage of the contaminants of emerging concern in the agricultural en endage of the contaminants of emerging concern in the agricultural en endage of the contaminants of the contamina	contaminated aquifers Langping Wu, Shujuan IJan, Steffen Kümmel, Anko Fischer, Morten Bondgard, Anja Melvej, Hans Hermann Richnow In situ microcosms and compound-specific stable isotope analysis (CSIA) for evaluating biodegradation of ethyl tert-butyl Petra Bombach, Norbert Nägele, Mönica Rosell, Hans Hermann Richnow, Anko Fischer Invironment Current advances in environmental risk assess try Water quality, wastewater treatment and reuse, drink Atmosphere 1 Tropospheric multiphase and heterogeneous chemistry - 1 Chalis: Gerhard Lammel, Dominik van Pinzteren Gas-particle partitioning of semivolatile polycyclic aromatic hydrocarbons in polluted and unpolluted air in central Europe and the Aegean: observation vs. model prediction Pouryo Shahpoury, Gerhard Lammel, Aysun Sofuoğlu, Yetkin Dumanoğlu, Linda Landlavd, Marie D. Mulder, Petra Přibylová, Roman Prokeš, Adela Holubová Šmejkalová, Sait Sofuoğlu, Milan Vá ha Ilminium-catalysed hydrolysis of epoxides by NH4+ in water: importance for atmospheric and green chemistry	Analysis of oxidative stress biomarker 8-iso- prostaglandin FZa in wastewater by liquid chromatography-mass spectrometry coupled with immunoaffinity clean-up Yeonsuk Ryu , Molcolm Reid , Kevin Thomas ment of ionic organic chemicals Biological effects of ing water Microplastic Biodegradation of chemicals in Biological effects of chemicals & Human exposure and toxicity - 2 Chair: Rolf Altenburger A comprehensive LC-HRMS screening method to investigate biotransformation of polar chemicals in zebrafish embryos (Danio rerio) -clofibric acid as an example Bettina Selwert , Stephan Brox, Nora Haase, Eberhard Küster, Thorsten Reemtsma Effects of imidacloprid on detoxifying enzyme glutathione S-transferase					
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		Wednesday, 23 September 2015							
	University Leipzig Lecture Building Hall 3								
09:00	Plenary lecture: Atmospheric chemistry: Recent findings in gas phase, aerosol and multiphase studies Hartmut Herrmann - Leibniz Institute for Tropospheric Research, Leipzig, Germany								
	Chair: Gerhard Lammel								
09:45	Coffee, Poster & Exhibition								
	Hall 1	Hall 2	Hall 8						
10:20	Water quality, wastewater treatment and reuse, drinking water 1 Choir: Fritz Frimmel	Microplastic Chair: Thomas Knepper 10:20	Atmosphere 1 Tropospheric multiphase and heterogeneous chemistry - 2 Chairs: Constantini Samara, Gerhard Lammel						
10:30	Identification of direct and indirect industrial dischargers as	Analysis of microplastic in environmental samples using thermal analytical methodes	Cloud chemistry during the HCCT-2010 hill cap cloud experiment						
	dominating sources of 1,4-dioxane in German rivers <u>Ursula Karges</u> , Wilhelm Püttmann, Christian Frankenbach	<u>Ulrike Braun</u> , Eric Duemichen, Anne-Kathrin Barthel, Heinz Sturm, Claus G. Bannick, Kathrin Brand, Martin Jekel	<u>Dominik van Pinxteren</u> , Kanneh Wadinga Fomba, Konrad Müller, Gerald Spindler, Stephan Mertes, Johannes Schneider, Taehyoung Lee, Jeff Collett, Hartmut Herrmann						
		Microplastic in urban sources and receiving water within an urban							
	mobile passive sampling <u>Branisiav Vrana</u> , Foppe Smedes, Tatsiana Rusina, Krzysztof Okonski, Ian Allan, Klara Hilscherova, Jiri Novak, Peter Tarabek, Roman Grabic, Jaroslav Slobodnik	area Rachid Dris, <u>Johnny Gaspari</u> , Cecile Mirande, Mohamed Saad, Vincent Rocher, Alain Rabier, Bruno Tassin	and case studies <u>Renate Forkel</u> , A. Baklanov, A. Balzarini, D. Brunner, M. Hirtl, L. Honzak, P. Jiménez-Guerrero, O. Jorba, J.L. Pérez, R. San José, W. Schröder, J. Werhahn, R.Wolke, R. Žabkar						
	Anthropogenic influences on dissolved organic matter from	Microplastic as potential environmentally relevant sorbents for	Modelling of the tropospheric non-radical aqueous phase						
	drinking water reservoirs in Central Germany <u>Julia Raeke</u> , Marieke Oosterwoud, Bettina Seiwert, Katrin Bornmann, Oliver Lechtenfeld, Thorsten Reemtsma	organic contaminants <u>Thorsten Hüffer</u> , Thilo Hofmann	chemistry of organic carbonyl compounds and acids <u>Andreas Tilgner</u> , Erik Hans Hoffmann, Luisa Schöne, Ralf Wolke, Hartmut Herrmann						
	Adsorption of trifluralin, alachlor and atrazine from different	First overview of microplastics in indoor and outdoor air	Towards an advanced description and modelling of the						
	water matrices onto powdered activated carbons (PACs) Anita Leovac-Macerak, <u>Ivana Ivancev-Tumbas</u> , Djurdja Kerkez, Jelena Molnar-Jazic, Minja Bogunovic	<u>Johnny Gasperi</u> , Rachid Dris, Cécile Mirande, Corinne Mandin, Valérie Langlois, Bruno Tassin	multiphase DMS chemistry: CAPRAM DMS module 1.0 <u>Erik Hans Hoffmann</u> , Andreas Tilgner, Roland Schrödner, Ralf Wolke, Hartmut Herrmann						
	Treatability of cyanotoxins (microcystins and cylindrospermopsin) using UV and UV/H2O2 processes	Experimental and modeling studies of the influence of ingestion of microplastics on bioaccumulation of hydrophobic organic	Degradation of pesticides in the atmosphere: direct photolysis, photo-oxidation and reaction with ozone						
		chemicals by fish Margaretha Adolfsson-Erici, Christoph Rummel, <u>Matthew MacLeod</u>	Amalia Munoz , Esther Borrás, Teresa Vera, Milagros Ródenas						
12:10	Lunch, Poster & Exhibition		Publishing Session: "Past, presence and future of publishing in environmental sciences" (Roundtable Discussion) Moderators: Walter Giger, Gerhard Lammel Panel members: Philippe Garrigues, Jerald Schnoor, Ulrich Pöschl						
13:30	Water quality, wastewater treatment and reuse, drinking water 2 Chair: Dionysios Dionysiou	Biodegradation of chemicals in natural and man-made ecosystems - 1 Chairs: Lukas Y. Wick , Hans Hermann Richnow	Atmosphere 2 Air pollution chemistry - 1 Chairs: Hartmut Herrmann, Pérola Vasconcellos						
13:40	Two approaches for fluoride removal from natural waters:	Keynote lecture: Design and use of bacterial bioreporters for measuring organic pollution and their degradation	Keynote lecture: Characterization of Organic Aerosol Composition with Ultra-High Resolution Mass Spectrometry Techniques						
	adsorption on a new titanium oxide material and transport through a polymer inclusion membrane Claudia Fontas, Enriqueta Anticó	J.R. van der Meer	Markus Kalberer						
	Drinking water contamination with perfluoroalkyl acids – Source tracking, distribution modeling and influence on concentrations in	Mechanisms and causative agents of amine biotransformation in activated sludge	Unravelling the chemiodiversity of organic matter in atmospheric aerosols: contribution from CN-linkAIR and ORGANOSOL projects						
	Numan serum <u>Urs Berger</u> , Irina Gyllenhammar, Maria Sundström, Philip McCleaf, Karin Eurén, Sara Eriksson, Sven Ahlgren, Sanna Lignell, Marie Aune, Natalia	Rebekka Gulde, Yujie Men, Stefan Achermann, <u>Kathrin Fenner</u>	Regina Duarte , Sónia Lopes, Andreia Paula, João Matos, Armando Duarte						
	Kotova, Anders Glynn Transformation of carbamazepine in the presence of zero valent	Modelling bacterial degradation after disturbances	Aerosol Composition in Three South American Cities						
	iron and adapted biology <u>Anne König</u> , Martin Jekel	<u>Sara Könia</u> , Anja Worrich <mark>,</mark> Thomas Banitz, Florian Centler, Karin Frank, Matthias Kästner, Anja Miltner, Lukas Wick, Martin Thullner	<u>Perola Vasconcellos</u> , Guilherme Pereira, Sandra Soares, Sofia Caumo, Nilmara Alves, Willy Maenhaut, Magda Claeys, Risto Hillamo, Kimmo Teinila, Odon Sanchez-Ccoyllo, Nestor Rojas						
	PDMS-embedded palladium nanocatalysts for water treatment <u>Daniele Comandella</u> , Katrin Mackenzie, Frank-Dieter Kopinke	Reactome-based encoding of microbial communities and their application to contaminant biotransformation prediction <u>Diogo Latino</u> , Kathrin Fenner	Study of biomarkers and nitro-organic compounds from sugarcane burning in atmospheric samples collected in São Paulo in 2012 and 2013 <u>Sofia Caumo</u> , Pérola Vasconcellos, Magda Claeys, Willy Maenhaut						
	Activated carbon enhancement with covalent organic polymers:	Enantiomeric fractionation of metoprolol and its major	Second Order Rate Constants for the Gas Phase Reactions of Cyclic						
	An innovative material for application in water purification and carbon dioxide capture	transformation products for quantitative biodegradation measurement and elucidation of biodegradation mechanisms	(D3-D5) and Linear (L2-L4) Siloxanes with Hydroxyl Radicals Measured using a Relative Rate Method						
	<u>Paul Mines</u> , Damien Thirion, Basil Uthuppu, Yuhoon Hwang, Mogens Jakobsen, Henrik Andersen, Cafer Yavuz	<u>Marine Souchier</u> , Dalel Benali-Raclot, Claude Casellas, Valérie Ingrand, Serge Chiron	lan Zammit , Ruiyang Xiao, Amelie Kierkegaard, Matthew Macleod						
15:20	Coffee, Poster & Exhibition								
	Water quality, wastewater treatment and reuse,	Biodegradation of chemicals	Atmosphere 2 Air pollution chemistry - 2						
	drinking water 3 Chair: Martin Jekel	in natural and man-made ecosystems - 2 Chairs: Lukas Y. Wick, Hans Hermann Richnow	Chairs: Pérola Vasconcellos, Hartmut Herrmann						
	Marjeta Cesen, Tina Kosjek, Francesco Busetti, Ester Heath	The behavior of uptake and decomposition of the herbicide propanil in plant Bidens pilosa L. dominating in the Yangtze Three Gorges Reservoir (TGR), China Zhongli Chen, Burkhard Schmidt, Andreas Schäffer	Long-range atmospheric transport and transformation of PAHs, PCBs and PBDEs over the Aegean in summer 2012 Mariëlle Mulder, Johannes Bieser, Yetkin Dumanoglu, Christos Efstathiou, Kostas Eleftheriadis, Aristeidis K. Georgoulias, Petr Kukucka, Hana Liskova, Jana Matejovicova, Petra Pribylova, Roman Prokes, Aysun Sofuoglu, Sait Sofuoglu, Vassiliki Vassilatou, Gerhard Lammel						
	Applying the sunlight to pharmaceuticals removal from	Microbial based remediation of oil spill & oily sludge: A	Air-sea exchange in the Aegean Sea 2012: Vertical fluxes of PAHs						
	aquaculture's waters <u>Joana F. Leal</u> , Valdemar I. Esteves, Eduarda B.H. Santos	sustainable approach for environmental protection from oil contaminants! <u>Banwari Lal</u> , Sanjukta Subudhi	and halogenated semivolatile organic compounds <u>G. Lammel</u> , C. Efstathiou, P. Kukučka, F.X. Meixner, P. Přibylova, R. Prokeš, T.P. Rusina, G.Z. Song, B. Vrana						
	=	Dispersal of degrading bacteria impedes outgassing of organic	Soil-air exchange and source of persistent organic pollutants						
	water by ozonation and ozone-based AOPs <u>Alexey Ignatev</u> , Elijah Ngumba, Paivi Kosunen, Tuula Tuhkanen	contaminants <u>Sally Otto</u> , Thomas Banitz, Karin Johst, Thomas Hübschmann, Hauke	(POPs) in Kaidu-Peacock River system in Xinjiang, Northwest of China						
16:45	Contamination of various types of Parisian sewage sludges by a	Harms, Lukas Y. Wick	<u>Wei Chen</u> , Shihua Qi, Fei Peng, Chengkai Qu, Xinli Xing PAHs ans PCBs fluxes at the air-water interface in a high altitude						
	wide range of priority and emerging micropollutants Romain Mailler, <u>Johnny Gasperi</u> , Dominique Patureau, Emmanuelle Vuillet, Steven Deshayes, Sabrina Guérin, Régis Moilleron, Ghassan		mountain lake: Muzelle, France Johanna Marçais, Junior professor Christine Piot, Philippe Fanget, Nathalie Cottin, Prof. Emmanuel Naffrechoux, Prof. Jean-Luc Besombes						
	Chehha Vincent Rocher	University Leipzig Lecture Building Hall 3	. ,,,,						
17.45	Closing Poland Kallanharm Announcement of ICCF 2017 Colo		7						
17:15	Closing Roland Railenborn: Announcement of ICCE 2017 in Oslo	Thorsten Reemtsma, Conference Chairman Willem de Lange, DC	.t						

	Thursday, 24 September 2015							
	Leipziger KUBUS Hall 1A		Leipziger KUBUS Meeting Point: Lobby		Leipziger KUBUS Meeting Point: Lobby		Meeting Point: Leipzig Central Station	
Satellite Eve	Satellite Event 3: High-resolution imaging and correlative analyses in life sciences down to sub nanometre scale		Technical Excursion to the chemical park Bitterfeld / Wolfen		Guided Tour of the Helmholtz Center for Environmental Research – UFZ		Excursion to Dresden / Meissen	
09:00	Welcome	09:00	Departure from the Leipziger KUBUS	10:00	Start of the Guided Tour	09:00	Departure by bus from Leipzig Hauptbahnhof	
09:10	Fluorescence in situ hybridization of microorganisms in the age of super-resolution microscopy Cristina Moraru	10:00	Visit of of IFM-Industrie- und Filmmuseum Wolfen (Industry and Film Museum Wolfen)	-11:00	Meeting Point: Lobby of the Leipziger KUBUS	10:30	Guided Tour in the Porcelain Manufacture Meissen	
09:35	Correlated fluorescence and multi-isotope high-resolution imaging Silvio Rizzoli		Lecture presentation by Dr. Polk (Managing Director of the Chemical Park)			12:30	Lunch in the Café Meissen	
10:00	Coffee & Posters		Lecture presentation by Uwe Holz (Director of the IFM)			14:00	Continuation of the journey to Dresden	
10:45	Stable isotope resonance Raman microspectroscopic and SERS analysis of microorganisms at single cell level Patrick Kubryk	11:30	Transfer by bus to Bayer Bitterfeld GmbH			10:40	Guided City Walk Dresden	
11:10	Surface Enhanced Confocal Raman Microscopy of Electroactive Biofilms Gal Schkolnik	12:00	Visit of the Bayer Bitterfeld GmbH			17:00	Return by bus to Leipzig Central Station	
11:35	Raman-analysis of stable isotope labelled organic substances in soil for improving the water holding capacity Alexandra Wiesheu	13:15	Return by bus to Leipziger KUBUS (arrival appr. at 14:00)					
12:00	Lunch			1				
13:00	Helium Ion Microscopy. Extending the frontiers of nanotechnology Peter Gnauck							
13:25	Mass Spectrometric Imaging by MALDI for the Analysis of Proteins and Metabolites in Tissue Sören-Oliver Deininger							
13:50	Coffee & ProVIS lab visit							
14:20	High Resolution Characterization of Recent and Ancient Microbial Systems using ToF-SIMS Christine Heim							
14:45	Microscale complexity of a permafrost soil evaluated by combining NanoSIMS and VIS-NIR spectrometry Carsten Mueller							
15:10	Speciation of nitrogen bearing species using negative and positive secondary ion spectra with Nano Secondary Ion Mass Spectrometry Kexue Li							

15:35 Application of nanoSIMS-based, high-resolution chemical imaging for the identification of anaerobic hydrocarbon-

Lab demo -MALDI imaging and ProVis lab visits

degrading microorganisms

Florin Musat

Closing remarks

16:00

16:15

open end