

Detailed Program

Monday, 29 June 2015

Time	Title of the Talk	Speaker
09:00 - 09:45	Registration and Poster setup & Coffee, Tea	
09:45 - 10:00	Welcome & Introduction to EDA-EMERGE conference	Dr. Werner Brack (UFZ)
10:00 - 10:30	KEYNOTE: "Finding the needles in the haystack – Identification of emerging toxicants in complexly contaminated water resources"	Dr. Werner Brack (UFZ)
	Session: Emerging Pollutants: Case studies Session chairs: Meng Hu & Melis Muz	
10:30 - 10:45	Results and experience from an EU-wide monitoring programme using novel sampling, biological and chemical tools to detect emerging pollutants in surface waters	Zuzana Tousova (EI)
10:45 - 11:00	Endocrine disruption of European surface water identified using transgenic tadpoles and fish fry	Petra Spirhanzlova (WatchFrog)
11:00 - 11:15	Contributors to estrogenic activity in Finnish wastewater effluents	Pia Väitalo (Finnish Environ. Institute)
11:15 - 11:30	Personal Care Products under water scarcity: comparison of Sava and Evrotas, two completely different river basins	Jennifer Valle-Sistac (IDAEA – CSIC)
11:30 - 11:45	Emerging contaminants (UV filters, UV stabilizers, musks and benzodiazepines) monitoring in mussels and sea water from coastal regions	Marina Picot-Groz (Hydrosciences Montpellier)
11:45 - 12:00	Prioritization of nontarget compounds present in wastewater – Integrating multivariate analysis and known biotransformation reactions	Jennifer Schollee (eawag)
12:00 - 13:00	Lunch & Poster	
13:00 - 13:30	KEYNOTE: "Managing aquatic ecosystems under multiple stress"	Dr. Christian Feld (Uni Duisburg-Essen)
13:45 - 14:15	Bus transfer for participants of excursion	
14:30 - 18:00	Guided excursion to the alluvial forest of Leipzig: Information on typical species, anthropogenic influences and contaminations	Franka Seidel (Auwaldstation Leipzig); Anna Herkelrath (University Leipzig); Hans Dieter Kasperidus (UFZ)
18:15 - 18:45	Bus transfer to the main station (city center) and venue of conference	

Tuesday, 30 June 2015

Time	Session/Title of the Talk	Speaker
09:00 - 09:30	KEYNOTE: "Emerging approaches for solution-focused pollution impact reduction"	Dr. Leo Posthuma (RIVM)
	Session: Effect-directed analysis Session chairs: Anita Hidasi & Zuzana Tousova	
09:30 - 09:45	Effect-directed analysis of surface and wastewater by LCxLC fractionation, an acetylcholinesterase assay and high resolution mass spectrometry	Xiyu Ouyang (VU-IVM)
09:45 - 10:00	Effect-directed analysis of produced-water discharge to identify AChE inhibitors	Jean Froment (NIVA)
10:00 - 10:15	Estrogenic activity of different treatment stage landfill leachate: Investigations by effect-directed analysis	Laura Fuster (University of Bordeaux)
10:15 - 10:30	Novel fish-based biological tools for effect-directed analysis of endocrine disrupting chemicals	Manoj Sonavane (INERIS)
10:30 - 11:00	Coffee & Networking	
	Session: Emerging pollutants - new approaches for analysis Session chairs: Ana Catarina Almeida & Jean Froment	
11:00 - 11:15	Validation of a hybrid sample preparation technique for combined broad chemical analysis and in vitro toxicity assessment of organic emerging pollutants in source waters.	Victoria Osorio Torrens (KWR)
11:15 - 11:30	Diagnostic derivatization as a tool for compound class-specific structure elucidation: Bitterfeld case study	Melis Muz (UFZ)
11:30 - 11:45	LC-HRMS approaches for detection of relevant transformations of polar compounds in real-world environment	Bozo Zonja (IDAEA – CSIC)
11:45 - 12:00	Pharmaceuticals degradation – Are transformation products relevant?	Jasper Ojogoro (Brunel University London)
12:00 - 13:00	Lunch & Poster	
	Session: Multiple stressors in aquatic ecosystems Session chairs: Maja Kuzmanovic & Victoria Osorio Torrens	
13:00 - 13:15	How multiple stressors modulate the functioning of Mediterranean rivers; a PhD Thesis dedicated to a better understanding of these cocktails	Ibon Aristi (University of the Basque Country)
13:15 - 13:30	Aquatic macroinvertebrate drift following the combined stressors of hydropeaking & thermopeaking in experimental channels	Lisa Schülting (BOKU University)
13:30 - 13:45	Combined effects of the freshwater salinization and environmental contaminants on <i>Daphnia magna</i>	Olga Popova (Masaryk University, RECETOX)
13:45 - 14:00	Decoding influence of multiple stressor through microsatellite: Holtemme River as a case of study	Pedro Inostroza (UFZ)
14:00 - 14:15	Short Break	
14:15 - 14:30	Can aquatic macrophytes be used to identify relevant environmental mixtures of pollutants and to detect their <i>in situ</i> effects under multi-stress conditions?	Maja Novkovic (University of Novi Sad)
14:30 - 14:45	Effects of warming, water depth and residence time on grazer-controlled eutrophication in rivers	Jose Ricardo Ruiz Albizuri (UFZ)
14:45 - 15:00	Role of point sources, land use and hydromorphology in predicting water chemistry and macroinvertebrate metrics in streams	Martin Hroch (Masaryk University, RECETOX)
15:00 - 15:30	Coffee & Networking	
15:30 - 16:00	Poster spot light Liza-Marie Beckers: poster: 1; Vince Kaandorp: poster 11; Anita Hidasi: poster: 18; Ana Catarina Almeida: poster 38; Carina Almeida: poster 40	Moderator: Denise Kurth (UFZ)

Tuesday, 30 June 2015

Session: Career opportunities for environmental scientists Moderator: Dr. Werner Brack		
16:00 - 16:20	Alternative Career perspectives for life and environmental scientists	Johanna Grübler (ACADEMICS)
16:20 - 16:40	Career in research	Dr. Lukas Wick (UFZ)
16:40 - 17:00	Career in industry	Dr. Marlies Bergheim (HENKEL)
17:00 - 17:20	Career in regulatory	Dr. Adolf Eisenträger (UBA)
17:20 - 17:35	Funding of the European Commission	Annette Schmidt (UFZ)
17:35 - 17:55	Career in Consulting	Dr. Anja Coors (ECT)
17:55 - 18:15	Discussion panel	
18:30 - 23:00	Poster, BBQ & music	

Wednesday, 1 July 2015

Time	Title of the Talk	Speaker
09:00 - 09:30	KEYNOTE: "From environmental monitoring to integrated modeling in a global change context: Limits, chances and perspectives from the GLOBAQUA project"	Prof. Ralf Ludwig (LMU)
Session: "EDA-EMERGE opinion paper"		
9:30 - 10:30	Discussion panel for "EDA-EMERGE opinion paper"	Moderation: Stefanie Rotter & Werner Brack (UFZ)
10:30 - 11:00	Coffee & Networking	
11:00 - 11:45	Discussion panel for "EDA-EMERGE opinion paper"	Moderation: Stefanie Rotter & Werner Brack (UFZ)
11:45 - 12:00	Closing of the Conference	Dr. Werner Brack (UFZ)
12:00 - 13:00	Lunch & Poster takedown	

Poster Program

29 June to 1 July 2015

No.	Poster title	Presenter
Pharmaceuticals		
1	Screening for pharmaceuticals and other emerging pollutants in sediments of major European estuaries	Liza-Marie Beckers (UFZ)
2	Pharmaceutical occurrence in two Mediterranean coastal sites impacted by treated wastewater outfall.	Coline Spinau (Hydrosiences Montpellier)
3	Ecological risks of home and personal care products in the riverine environment of a rural region in south china without domestic wastewater treatment facilities	Naisheng Zhang (Wageningen University)
4	Presence and distribution of diclofenac, estradiol and ethinylestradiol involved in first watch list to include them as priority substances in Manzanares River	Cristina Corpa (Instituto de Salud Carlos III)
5	Removal of Pharmaceutical Active Compounds by Constructed Wetland Systems – a sustainable phytoremediation technique?	Ana Isabel Machado (Higher Institute of Agronomy)
Emerging pollutants		
6	Anthropogenic gadolinium: environmental concentrations in Lorraine region (France) and effects on living organisms	Emilie Perrat (LIEC)
7	Occurrence of surfactants in a wastewater and agriculturally impacted river	Lisa-Marie Krauskopf (UFZ)
8	Analysis of organic micropollutants in freshwater invertebrates	Anna-Jorina Wicht (UFZ)
9	Comparison of PCI- and NCI-MS/MS (GC) and application of LVI for the analysis of synthetic pyrethroids in aquatic sediments	Lena Schinkel (UFZ)
10	Optimised Decision Making Framework for Wastewater Treatment Plant Upgrade and Operation	Philipp Michel (TU Munich)
11	Characterizing groundwater contribution to ecologically valuable lowland streams using Travel Time Distribution	Vince Kaandorp (Deltares)
12	Cyanobacterial peptides and their role in modulation of mammalian innate immunity	Zdena Moosova (Masaryk University, RECETOX)
13	Cyanobacteria and algae as a potential source of retinoid-like compounds into aquatic environment	Eliska Sychrova (Masaryk University, RECETOX)
14	Behaviour of silver nanoparticles in aquatic indoor microcosms	Claus Wasmuth (IME)
15	Identification of metabolites from in vivo chlordecone degradation	Marion Chevallier (CEA)
Environmental Omics		
16	Development of a metabolomic approach to investigate human pharmaceuticals exposure and effects in aquatic organisms	Bénilde Bonnefille (Hydrosiences Montpellier)
17	Multiple metabolomics approach to investigate surface water toxicity in the freshwater snail <i>Lymnaea stagnalis</i>	Sara Tufi (IVM-VU)
18	Proteomics and metabolomics to find biomarkers of synthetic glucocorticoid exposure in zebrafish (<i>Danio rerio</i>) embryos	Anita Hidasi (eawag)

	Bioassays	
19	A new approach to assess sediments toxicity with Danio rerio embryos	Riccardo Massei (UFZ)
20	Genotoxicity biotesting strategy integrating cell-based and zebrafish embryo bioassays	Carolina Di Paolo (RWTH Aachen University)
21	Biotesting strategy for antiandrogenicity assessment in EDA using cell-based bioassays	Carolina Di Paolo (RWTH Aachen University)
22	Functional characterization of recombinant zebrafish glutathione-S-transferase theta 2 (Gstt2) and its sensitivity to environmental toxicants	Biljana Ivkovic (University of Novi Sad)
23	Characterization of new transgenic zebrafish cyp11c1-GFP line: a potentially relevant model to assess the effects of Endocrine Active Substances on corticosteroidogenesis	Clementine Garoche (INERIS)
24	Use of transgenic zebrafish models to study the endocrine effects of natural and synthetic progestins	Clementine Garoche (INERIS)
25	Is bioaccumulation in zebrafish embryos purely log Kow-regulated?	Denise Kurth (UFZ)
26	Evidence of cross-talk between AhR and ER pathways in human and zebrafish reporter cell lines used for estrogenicity screening	H��l��ne Serra (INERIS)
27	Development of a T4-TTR binding assay for high throughput screening of thyroid hormone disrupters in the environment.	Xiyu Ouyang (IVM-VU)
28	In vitro tests provide new (eco)toxicological information on old priority substances – example diuron	Dina Tenji (University of Novi Sad)
29	Effect-directed analysis of a Morava River water sample to assess fish-specific estrogenic compounds using zebrafish-based bioassays	Manoj Sonavane (INERIS)
30	Higher-tier effect directed analysis of a wastewater-impacted river using Chemcatcher passive samplers	Jennifer Schollee (eawag)
31	Alcohol, coffee and cigarettes: evaluation of candidate positive control chemicals for behavioural assessment in zebrafish early life stages	Carolina Di Paolo (RWTH Aachen University)
32	Micro-fractionation in 96-well plates combined with the micro-EROD assay to identify the dioxin-like activity in environmental samples	Hongxia Xiao (RWTH Aachen University)
	Effect-directed analysis	
33	Effect-directed analysis of algal growth and photosystem II inhibitory effects in treated waste water using non-target screening techniques	Zuzana Tousova (EI)
34	Orthogonal and parallel LC fractionation as a time-efficient approach for effect-directed analysis	Matthias Muschket (UFZ)
35	Evaluation of integrated extraction/fractionation protocols for characterization of contaminants using effect-directed analysis	Sanja Koprivica (IRB)
36	Comparing fragmentation prediction tools for the identification of unknowns from LC-high resolution MS data	Meng Hu (UFZ)
	Environmental modeling	
37	Modeling the transport behavior of 16 emerging organic contaminants during soil aquifer treatment	Hang Thuy Thi Nham (University of Oldenburg)
38	Integrating modelling approach to study the relations between stressors and indicators	Carina Almeida (University of Lisbon)
	Multiple stressors	
39	Impact of multiple stressors on macroinvertebrate communities in Iberian rivers	Maja Kuzmanovic (IDAEA – CSIC)
40	Combined toxicity of five priority biocides on the growth of Chlamydomonas reinhardtii	Ana Almeida (NIVA)
41	Combined effect of nitrate and herbicide exposure on the new OECD test organism Myriophyllum spicatum - consequences for aquatic ecosystems?	Andr��ina Nuttens (University of Lorraine)