



RECETOX
Research Infrastructure



Stockholm Convention Regional centre
for capacity building and transfer of technology
in Central and Eastern European countries

12th RECETOX Summer School on Toxic Compounds in the Environment 2016

Date: 13/6 – 17/6/2016
Venue: Research Centre for Toxic Compounds in the Environment (RECETOX),
Faculty of Science, Masaryk University, Kamenice 753/5, 625 00 Brno

PROGRAMME		
Sunday, 12/06/2016		
Arrival of participants		
Monday, 13/06/2016 Kamenice 5, lecture room RCX 1, 2 nd floor		
8:30 - 9:00	<i>Registration</i>	
Toxic compounds, their effects and risks		
9:00 - 9:10	Jana Klánová	Welcome and introductory remarks
9:10 - 10:30	Jana Klánová	Toxic compounds in the environment Assessment of human exposure pathways
10:30 - 10:50	<i>Coffee break</i>	
10:50 - 12:50	Martin Scheringer (ETH, Zürich)	Environmental fate modeling of persistent toxic substances Pharmacokinetic modeling
12:50 - 13:50	<i>Lunch break</i>	
13:50 – 15:10	Luděk Bláha	Assessment of toxic effects
15:10 – 16:30	Ivan Holoubek	Ecological and human risk assessment
16:30 - 17:00	<i>Refreshments / pizza</i>	
18:00 - 20:00	<i>Guided tour to City of Brno</i>	
Tuesday, 14/06/2016 Kamenice 5, lecture room RCX 1, 2 nd floor/field trip		
9:00 - 10:00	Katarina Magulová	Global agenda to prevent and control releases of persistent toxic contaminants
10:00 – 10:30	<i>Coffee break</i>	
Visit to the Kosetice Observatory		
10:45	Departure to Kosetice, (" <i>take away</i> " lunch package)	
18:00	Back in Brno	
<i>Free evening</i>		
Wednesday, 15/06/2016 Kamenice 5, room RCX 1, 2 nd floor		
Chemicals in indoor environments		
9:00 – 10:20	Stuart Harrad (University of Birmingham)	Emissions from consumer products to the indoor environment

10:20 - 10:40	<i>Coffee break</i>					
10:40 – 12:00	Stuart Harrad (University of Birmingham)	Indoor exposure pathways				
12:00 - 12:45	Lisa Melymuk	Indoor sampling techniques				
12:45 - 13:45	<i>Lunch break</i>					
13:45 – 14:30	Garry Codling/ Alin Ionas	Novel instrumental techniques to assess emerging chemicals				
14:30 – 17:30	Practical exercises on indoor sampling techniques and laboratory analysis of indoor dust (group A) /ecotoxicological laboratory exercises (group B)					
chemical laboratory exercises (group A)			ecotoxicological laboratory exercises (group B)			
			subgroup B1		subgroup B2	
14:30-15:15	Lisa Melymuk, Jakub Urik, Alin Ionas	Collecting floor dust samples using vacuum cleaner, examining dust samples and fractions through microscopes	Eliška Sychrová, Jiří Novák	Assessment of dioxin-like toxicity potential in indoor air/dust sample extracts	Ondřej Brózman, Jan Raška	Inhibition of intercellular communication as a marker of non-genotoxic carcinogenic potential of indoor samples
15:15-15:45	Šimon Vojta, Jakub Urik, Alin Ionas	Extraction of dust samples				
15:45 – 16:15	<i>Coffee break</i>					
			subgroup B1		subgroup B2	
16:15 – 16:45	Petra Příbylová	Trace lab tour	Ondřej Brózman, Jan Raška	Inhibition of intercellular communication as a marker of non-genotoxic carcinogenic potential of indoor samples	Eliška Sychrová, Jiří Novák	Assessment of dioxin-like toxicity potential in indoor air/dust sample extracts
16:45 – 17:30	Ondřej Mikeš, Lisa Melymuk	Questionnaire activity				
<i>Social programme</i>						
18:30 – 19:30	<i>Visit the STAROBRNO brewery</i> <i>The tour gives the opportunity to learn something from the history of the brewery, to see the manufacturing process of the “Czech national drink” and end this informative and entertaining journey of Starobrnno beer tasting.</i>					
20:00 – 21:00	<i>Dinner</i>					
22:30 – 22:50	<i>Individually - STAROBRNO IGNIS BRUNENSIS – the competition section of the XIX international fireworks festival accompanied by music is to be held on the surface of Brno Dam Lake, MACEDOS PIROTECNIA Portugal</i>					
Thursday, 16/06/2016 Kamenice 5, room RCX1, 2 nd floor						
Linking indoor environments and human exposure						
9:00 - 10:00	Lisbeth Knudsen (University of	PCBs in residences and schools – adverse health effects?				

	Copenhagen, Denmark)					
10:00 - 10:20	<i>Coffee break</i>					
10:20 – 11:20	Joan O. Grimalt (IDAEA, Barcelona)	Human exposure to PAH and other pollutants in schools. Are indoor atmospheres really indoor?				
11:20 – 12:20	Amrit Kaur Sakhi (NIPH, Oslo)	Exposure pathways to bisphenol A and phthalates (EXBISPHA study)				
12:20 - 13:20	<i>Lunch break</i>					
13:20 - 14:20	Lisbeth Knudsen (University of Copenhagen, Denmark)	Glyphosate exposure and risk assessment				
14:20 – 14:40	Ian Allan (NIVA, Norway)	Silicone implants for pollutant biomonitoring in humans				
14:40 – 15:00	<i>Coffee break</i>					
15:00 – 17:30	Practical exercises on indoor sampling techniques and laboratory analysis of indoor dust (group B) /ecotoxicological laboratory exercises (group A)					
chemical laboratory exercises (group B)			ecotoxicological laboratory exercises (group A)			
			subgroup A1		subgroup A2	
15:00-15:45	Lisa Melymuk, Jakub Urík, Alin Ionnas	Collecting floor dust samples using vacuum cleaner, examining dust samples and fractions through microscopes	Eliška Sychrová, Jiří Novák	Assessment of dioxin-like toxicity potential in indoor air/dust sample extracts	Ondřej Brózman, Jan Raška	Inhibition of intercellular communication as a marker of non-genotoxic carcinogenic potential of indoor samples
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<i>Free evening</i>						
Friday, 17/06/2016 Kamenice 5, room RCX1, 2 nd floor						
Applications of indoor and exposure data, data analysis techniques						
9:00 – 9:45	Zdeněk Spáčil	Getting wider picture: Exposome concept				
9.45 – 10.15	Tomáš Průša	Diet and exposure				
10:15 – 10:35	<i>Coffee break</i>					

10:35 – 11:10	Ondřej Mikeš	Diet and exposure
11:10 – 12:00	Petra Vídeňská	Human microbiome
12:00 – 13:00	<i>Lunch break</i>	
	Kamenice 5, room RCX2, 3 rd floor	
13:00 – 13:45	Jakub Gregor/ Richard Hůlek	Sharing global data: Global Monitoring Plan and more
13:45 – 15:00	Ondřej Sáňka	Visualization of environmental data – GIS and application to human exposure estimates
15:00 – 15:20	<i>Coffee break</i>	
15:20 – 16:05	Kateřina Šebková	Science meeting policy in protecting health and environment
16:05 – 17:00	Wrap-up, presentation of certificates	
Saturday, 18/06/2016		
	Departure of participants	



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