

INVESTMENTS IN EDUCATION DEVELOPMENT

8th Summer School of Environmental Chemistry and Ecotoxicology 2012



Date: 25/6 – 30/6/2012

Venue: Research Centre for Toxic Compounds in the Environment (RECETOX),
Faculty of Science, Masaryk University, Kamenice 126/3, 625 00 Brno

PROGRAMME		
Sunday, 24/06/2012		
	Arrivals of participants	
Monday, 25/06/2012 – Introduction Kamenice 3, 4 th floor		
8:00 – 9:00	<i>Registration</i>	
9:00 - 9:30	Ivan Holoubek	Welcome and introductory remarks
9:30 - 10:45	Ivan Holoubek	Environmental fate of chemicals
10:45 - 11:00	<i>Break – coffee</i>	
11:00 – 12:00	Luděk Bláha	Introduction to ecotoxicology
12:00 - 13:15	<i>Break - lunch</i>	
13:15 - 14:30	Katarina Magulová	Global agenda to prevent and control releases of toxic contaminants in the environment
14:30 - 15:30	Ivan Holoubek	Introduction to human and ecological risk assessment
15:30 – 15:45	<i>Break – coffee</i>	
15:45 – 17:15	Martin Scheringer (ETH, Zürich)	Introduction to environmental fate modeling of persistent toxic substances
	<i>Refreshments / pizza followed by guided tour to City of Brno (19:00 – 21:00)</i>	

INVESTMENTS IN EDUCATION DEVELOPMENT

Tuesday, 26/06/2012 - Special topic: Passive sampling of pollutants in the aquatic environment Kamenice 3, 4 th floor		
9:00 - 9:30	Branislav Vrana	Introduction
9:30 - 10:00	Foppe Smedes	Partitioning passive sampling
10:00 - 10:30	Tanya Rusina	Properties of sampling materials
10:30 - 11:00	<i>Break – coffee</i>	
11:00 - 11:30	Foppe Smedes	Calibration, partition coefficients, PRCs
11:30 – 12:00	Nicolas Mazzella (IRSTEA, France)	Adsorption based samplers
12.00 – 12:30	Nicolas Mazzella	Coupling of passive sampler extracts with bioassays
12:30 - 13:00	<i>Break lunch (will be prepared to take with)</i>	
13:00 – 16:15		Field work on retrieval of passive samplers
16:15- 16:30	<i>Break – coffee</i>	
16:30 – 17:00	Ian Allan (NIVA, Norway)	Field studies of passive sampling
17:00 – 17:30	Nicolas Mazzella	Field studies of passive sampling
Wednesday, 27/06/2012 - Special topic: Passive sampling of pollutants in the aquatic environment Kamenice 3, 4 th floor		
9:00 – 9:45	Branislav Vrana	QA/QC and validation aspects
9:45 – 10:30	Foppe Smedes	Applications of partitioning Passive Sampling
10:30 - 11:00	<i>Break – coffee</i>	
11:00 – 11:30	Foppe Smedes	Methods for passive sampling of sediment
11:30 – 12:15	Ian Allan	Passive sampling in regulatory monitoring
12:15 - 13:15	<i>Break - lunch</i>	
13:15 – 16:15		Laboratory exercises part I
16:15 – 17:00	All	Round table discussions – questions - perspectives
	<i>Social programme</i>	

INVESTMENTS IN EDUCATION DEVELOPMENT

Thursday, 28/06/2012 – Laboratory exercises Kamenice 3, 4 th floor		
9:00 – 10:30	Jana Klánová	Sampling and environmental analysis
10:30 - 10:45	<i>Break – coffee</i>	
10:45 – 12:15	Klára Hilscherová, Jakub Hofman	Ecotoxicological bioassays
12:15 – 13:15	<i>Break - lunch</i>	
13:15 – 17:30		Laboratory exercises part II
Friday, 29/06/2012 – Trip to the Košetice field observatory Kamenice 3, 4 th floor		
9:00 - 11:00	Jakub Hofman and colleagues	Interactive program / case studies
11:00		Departure to Košetice
12:30		Lunch at Želiv monastery
14:00		Visit to Košetice observatory
18:00		Return to Brno
Saturday, 30/06/2012 – Risk assessment Kamenice 3, 4 th and 6 th floor		
8:30 - 10:30	Ondřej Mikeš	Plant uptake and human health risk from dietary exposure
10:30 - 10:45	<i>Break - coffee</i>	
10:45 - 12:45	Ondřej Sáňka, Pavel Čupr	Data visualization - use of Geographical Information Systems (GIS)
12:45	End of the summer school	
13:00	Lunch (<i>will be prepared to take with</i>) and farewell	

Sponsors of the 8th RECETOX Summer School:

Waters
THE SCIENCE OF WHAT'S POSSIBLE.™

AB SCIEX