



## International Workshop "Fate and Impact of Persistent Pollutants in Agroecosystems"

10 - 12 March 2005,

Institute of Soil Science and Plant Cultivation,  
Puławy, Poland

**Wednesday, 9 March:** Arrival, accommodation, reception

20:00	Welcome drink
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**Thursday, 10 March:**

Time	Session	Activity	
8:30 - 9:00		<b>Opening</b>	
9:00 - 9:30	C	Monitoring of contaminants in agricultural soils in Europe and new EU initiative on soil protection <b>Giovanni Bidoglio</b> , <i>Joint Research Centre – European Commission, Ispra, Italy</i>	
9:30 - 9:50		Soil Pollution with heavy metals, radionuclides and pesticides in Russia <b>Natalya Sanzharova, S. V. Fesenko, Ye. V. Spirin, A. S. Filipas</b> , <i>Russian Institute of Agricultural Radiology and Agroecology, Obninsk, Russia</i>	
9:50 - 10:10		Levels of soil contamination in France by trace elements as assessed from total concentrations <b>Denis Baize, T. Sterckeman, F. Douay, C. Jolivet, N. Saby, H. Ciesielski, D. Arrouays</b> , <i>INRA – Orléans – Science des Sols, France</i>	
10:10 - 10:30		Evaluation of the content of heavy metals and organic pollutants in soils from agricultural lands in Poland <b>Barbara Maliszewska – Kordybach, Henryk Terelak, Tomasz Stuczyński</b> , <i>Institute of Soil Science and Plant Cultivation, Puławy, Poland</i>	
10:30 - 10:50		<b>Coffee break</b>	
10:50 - 11:10		POPs in soils in the Czech Republic – temporal and spatial trends <b>Ivan Holoubek, Jana Klánová, Jakub Hofman, Milan Sáníka, Radim Vácha, Jiří Zbiral</b> , <i>Recetox, Masaryk University, Brno, Czech Republic</i>	
11:10 - 11:30		Assessing trace elements accumulation/depletion in Lithuanian soils <b>Saulius Marcinkonis, Sigitas Lazauskas and Vytas Mašauskas</b> , <i>Lithuanian Institute of Agriculture, Traku Voke, Vilnius, Lithuania</i>	
11:30 - 12:00		E	Toxicity of metals to plants and soil micro-organisms <b>Eric Smolders</b> , <i>Catholic University of Leuven, Leuven, Belgium</i>
12:00 – 12:30			Ecotoxicology of PAC's in soil systems <b>Janeck J. Scott – Fordsmad</b> , <i>National Environmental Research Institute, Silkeborg, Denmark</i>
12:30 – 12:50			Microorganisms as indicators of soil health <b>Wiesław Barabasz</b> , <i>Agricultural University of Kraków, Department of Agricultural Microbiology, Kraków, Poland</i>
12:50 - 14:30		<b>Lunch and Poster Session</b>	
14:30 - 15:00		<b>Poster Session Summary</b>	
15:00 – 15:30	B	Can we measure bioavailability of organic contaminants in soil? <b>Kirk T. Semple, Kieron J. Doick</b> , <i>Lancaster University, Lancaster, The UK</i>	
15:30 – 16:00		Constraints to Biodegradation of HOC in Soil - Does Bioavailability really matter? <b>Andreas P. Loibner, Rudolf Braun and George A.C. Ehlers</b> , <i>University of Natural Resources and Applied Life Sciences, Tulln, Austria</i>	
16:00 – 16:20		<b>Coffee break</b>	
16:20 – 16:50		Assessment of the Fate and Effects of PAHs in Contaminated Sediments and Soils <b>Dr Henry H. Tabak</b> , <i>US EPA, ORD, Environmental Research Centre, Cincinnati, Ohio, USA</i>	
16:50 - 17:10		Assessing the microbial accessibility of native polycyclic aromatic hydrocarbons sorbed to soils and sediments <b>Jose Julio Ortega Calvo, M. Bueno - Montes, R. Posada – Baquero, A. Gutierrez – Daban</b> , <i>Instituto de Recursos Naturales y Agrobiología, CSIC, Sevilla, Spain</i>	
17:10 – 17:30		Mobility and bioavailability of heavy metals in agricultural soils <b>Henri - Charles Dubourguier, A. Kahru, M. François, A. Ivask, F. Douay</b> , <i>Institut Supérieur D'Agriculture, Lille, France</i>	
19:00		<b>Dinner</b>	

## Friday, 11 March:

8:30 - 9:00	RA	Ecological risk assessment and soil quality <b>Anton M. Breure, Christian Mulder and Michiel Rutgers</b> , <i>National Institute of Public Health and the Environment (RIVM), Bilthoven, The Netherlands</i>
9:00 - 9:30		Short-term and long-term risks of organic pollutants in the agricultural soil system; PAHs as a case study <b>Joop Harmsen, Herman Eijsackers, Wim Rulkens, Ronald Sims</b> , <i>Wageningen University, ALTEERRA, Wageningen, The Netherlands</i>
9:30 - 10:00		Risk Assessment for soil Cd needs to consider soil and crop variation and Cd bioavailability <b>Rufus L. Chaney, Philip G. Reeves</b> , <i>US Dept. of Agriculture, Beltsville, Maryland, USA</i>
10:00 - 10:20		Plants ecotoxicology: implications for biological monitoring and ecological risk assessment <b>Stanislav Gieras'kin, V. G. Dikarev, T. I. Evseeva, A. A. Oudalova, D. V. Vasiliev</b> , <i>Russian Institute of Agricultural Radiology and Agroecology, Obninsk, Russia</i>
10:20 - 10:40		<b>Coffee break</b>
10:40 - 11:10		Recommendations for producers and consumers of plants cultivated on heavy metal contaminated soils <b>Jadwiga Gzyl</b> , <i>Institute for Ecology of Industrial Areas (IETU), Katowice, Poland</i>
11:10 - 11:40	SQC	Trigger and action values for the pathway soil-plant <b>Konstantin Terytze</b> , <i>Umweltbundesamt und Freie Universität Berlin, Berlin, Germany</i>
11:40 - 12:00		Soil-plant transfer of organic chemicals and derivation of trigger values <b>Werner Kordel, Monika Herrchen, Konstantin Terytze</b> , <i>The Fraunhofer Institute for Molecular Biology and Applied Ecology, Schmallenberg, Germany</i>
12:00 - 12:20		Soil quality assessment -screening and monitoring tools at different scales <b>Tadeusz Magiera, Zygmunt Strzyszcz</b> , <i>Institute of Environmental Engineering of Polish Academy of Science, Zabrze, Poland</i>
12:20 - 12:40		Plant vitality as an indication to assess the contamination of soil and water <b>Edgar O. Klose, Stephan Pflugmacher, Peter Lentzsch, Marion Tauschke, Tatyana A. Karasyova, Galina Tolkacheva</b> , <i>INNO, Concept GmbH, Strausberg, Germany</i>
12:40 - 14:30		<b>Lunch and Poster Session</b>
14:30 - 15:00		<b>Poster Session Summary</b>
15:00 - 15:20	M	Phytoremediation of metal-polluted soils using trees <b>Walter Wenzel</b> , <i>University of Natural Resources and Applied Life Sciences (BOKU), Vienna, Austria</i>
15:20 -15:40		Phytoremediation of metal contaminated soils with fast growing trees <b>Peter Leinweber, Ch. Baum, K. Hryniewicz</b> , <i>University of Rostock, Institute for Land Use, Rostock, Germany</i>
15:40 - 16:00		<b>Coffee break</b>
16:00 - 16:20		Improvement of phytoremediation effects with help of different fertilizers <b>Irina Shtangeeva, Hanna Kahelin, Jussi Laiho</b> , <i>St. Petersburg University, St. Petersburg, Russia</i>
16:20 - 16:40		Risk - based integrated management strategy for megasites contaminated with heavy metals and POP's: the lesson learnt from the EU Welcome Project <b>Grzegorz. Malina, J. Krupanek, H. H. M. Rijnaarts</b> , <i>Częstochowa University of Technology, Częstochowa, Poland</i>
16:40 - 17:20		Management of agroecosystems for persistent pollutants <b>Ronald Sims</b> , <i>Utah State University, Logan, Utah, USA</i>
19:30		<b>Gala Dinner</b>

## Saturday, 12 March:

9:00 - 16:00	<b>A study tour through Lublin region</b>
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Sessions: C	Content of pollutants in soils (levels of contamination)
E	Ecotoxicity of soil contaminants
B	Bioavailability of contaminants in soils
RA	Risk assessment
SQC	Soil quality criteria
M	Management of contaminated soils