



## The Central and Eastern European Conference on Health and the Environment

*The Environment – A Platform for Health*

Cluj-Napoca, May 25–30, 2014

### CONFERENCE PROGRAM AND GENERAL INFORMATION

Sunday, May 25, 2014

<i>Sunday morning -afternoon – Belvedere Hotel</i>		
	<b>Workshops I</b>	<b>Workshops II</b>
<b>10:00 – 16:00</b>	Site Remediation (Room A)  Speakers: <ul style="list-style-type: none"> <li>• Souhail Al-Abed, National Risk Management Research Laboratory, Office of Research and Development (USA)</li> <li>• John McKernan National Risk Management Research Laboratory, Office of Research and Development, EPA (USA)</li> <li>• Slawo Lomnicki, Louisiana State University (USA)</li> <li>• Dr. Raina Maier, University of Arizona (USA)</li> </ul> Lectures in the morning then breakout sessions in the afternoon.	Risk assessment (Room B)  Speakers: <ul style="list-style-type: none"> <li>• Annette Gatchett, Acting Director, Cincinnati Division, National Center for Environmental Health, EPA (USA)</li> <li>• Q. Jay Zhao, Toxicologist, Cincinnati Division, National Center for Environmental Health, EPA (USA)</li> <li>• Reeder Sams, PhD, Deputy Director (Acting), Research Triangle Park Division, National Center for Environmental Assessment, Office of Research and Development, EPA (USA)</li> </ul>
10:00 – 10:30	<u>Environmental Chemistry Principles in Site Remediation</u> (Souhail Al-Abed, USEPA)	<u>Overview of Human Health Risk Assessment</u>
<b>10:30 – 10:45</b>	<i>Coffee break</i>	
10:45 – 11:20	<u>Remediation Investigation and Feasibility Studies: Site Assessment</u> (John McKernan, USEPA)	<u>Point Of Departure and Dose Response Modeling</u>
11:25 – 12:00	<u>Revegetation of Mine Tailings and Waste Rock</u> (Raina Maier, University of Arizona Superfund Research Program)	<u>Application of human health risk assessment: Case study I</u>
<b>12:00 – 13:30</b>	<i>Lunch break</i>	
13:30 – 14:10	<u>Nanotechnology for the Environment: Challenges, Risks and Research Directions</u> (Slawo Lomnicki, Louisiana State University)	<u>Application of human health risk assessment: Case study II</u>
14:15-15:00	<u>Romaltyn Mining Baia Mare - Case Study – Site Remediation of Tailings Dam</u> (Sergiu Chirca, CEO Romaltyn Mining, Baia Mare)	<u>Application of human health risk assessment: Case study III</u>
<b>15:00-15:15</b>	<i>Coffee break</i>	
15:15-16:00	Panel Discussion	Panel Discussion
<b>16:00-18:00</b>	<i>Registration</i>	
<b>18:00-20:30</b>	<i>Cocktail Hotel Sport</i>	



# The Central and Eastern European Conference on Health and the Environment

*The Environment – A Platform for Health*

**Cluj-Napoca, May 25–30, 2014**

**Monday, May 26, 2014**

<b>Monday, May 26, 2014</b>			
<i>Monday morning</i>			
<b>08:30-12:30</b>	<b>Registration</b>		
<b>08:30-09:30</b>	<p style="text-align: center;"><b>Welcome and Opening Remarks</b></p> <ul style="list-style-type: none"> <li>• Welcome from the Mayor of the City of Cluj-Napoca, Emil Boc</li> <li>• Welcome from Cluj County Governor (Prefect), Prof. Gheorghe Vuscan, PhD</li> <li>• Welcome from "Iuliu Hatieganu" University of Medicine and Pharmacy-Rector Professor Alexandru Irimie, PhD</li> <li>• Welcome from Babes Bolyai University - Rector Acad. Professor Ioan Aurel Pop, PhD</li> <li>• Welcome from NIEHS, William Suk, PhD</li> <li>• Welcome from European Union, Laura Gribaldo, PhD</li> <li>• Welcome from US LSU SRP, Professor Maud Walsh, PhD</li> <li>• Welcome from Office of Undergraduate Research at LSU, Randy Duran, PhD</li> <li>• Welcome from The Foundation of the Study of Nanoneuroscience and Neurorepair Dafin Muresan, PhD,</li> <li>• Welcome from Environmental Health Center, Anca Elena Gurzau, PhD</li> </ul>		
<b>09:30–10:00</b>	Plenaries 1– Dr. <b>Tony Fletcher</b> , London school of Hygiene and Tropical Medicine & Public Health England (UK) - Perfluorinated Compounds and Health: Epidemiological Research on PFOA, a Persistent Global Pollutant		
<b>10.00- 10.20</b>	Plenaries 2– <b>Felicia Loghin</b> , PhD, Professor, Scientific Pro-Rector, "Iuliu Hatieganu" University of Medicine and Pharmacy Cluj-Napoca (RO) - Licite Drugs Misuse and Impact on Public Health and Human Security		
<b>10:20–10:40</b>	<i>Coffee break</i>		
<b>10:40–11:10</b>	Plenaries 3– <b>William Suk</b> , Director Superfund Research Program, NIEHS (USA) - Hazardous Substances, Vulnerable Populations and Human Health: The Importance of Interdisciplinary Research and Its Translation in Reducing the Burden of Disease		
<b>11.10–11.40</b>	Plenaries 4– <b>Slawo Lomnicki</b> , Superfund Research Program Louisiana State University (USA) - Environmentally Persistent Free Radicals – a Case of Complex Mixtures		
<b>11.40–12.00</b>	Plenaries 5 – <b>Adrian Ivan/Marius Bucur</b> , Head of the Department of International Studies and Contemporary History, Military Conflicts, Security and Environmental Health, Vice-Dean of the Faculty of History and Philosophy, Babeş-Bolyai University, Cluj-Napoca (RO)		
<b>12.00–12.30</b>	Plenaries 6– <b>Laura Gribaldo</b> , EU representative, Scientific Officer at Joint Research Centre - European Commission - JRC Scientific Support To The EU Strategy for the Danube Region		
<b>12:30-13.30</b>	<i>Lunch break</i>		
<i>Monday Afternoon</i>			
<b>13:30-16:00</b>	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Responsible Mining</b></p> <p><b>Session Co-Chairs:</b></p> <p>1. RO– Corina Lupu, NEPA General Director</p> <p>2. US– Souhail Al-Abed, National Risk Management Research Laboratory, Office of Research and Development, EPA</p> </td> <td style="width: 50%; vertical-align: top;"> <p><b>Environmental Epidemiology; US and CEE Expertise</b></p> <p><b>Session Co-Chairs:</b></p> <p>1. CEE– Peter Rudnai, Deputy Head of Divison for Environmental Health Protection, Budapest</p> <p>2. US– Michael S. Bloom, PhD, Associate Professor, University at Albany, School of Public Health, SUNY</p> </td> </tr> </table>	<p><b>Responsible Mining</b></p> <p><b>Session Co-Chairs:</b></p> <p>1. RO– Corina Lupu, NEPA General Director</p> <p>2. US– Souhail Al-Abed, National Risk Management Research Laboratory, Office of Research and Development, EPA</p>	<p><b>Environmental Epidemiology; US and CEE Expertise</b></p> <p><b>Session Co-Chairs:</b></p> <p>1. CEE– Peter Rudnai, Deputy Head of Divison for Environmental Health Protection, Budapest</p> <p>2. US– Michael S. Bloom, PhD, Associate Professor, University at Albany, School of Public Health, SUNY</p>
<p><b>Responsible Mining</b></p> <p><b>Session Co-Chairs:</b></p> <p>1. RO– Corina Lupu, NEPA General Director</p> <p>2. US– Souhail Al-Abed, National Risk Management Research Laboratory, Office of Research and Development, EPA</p>	<p><b>Environmental Epidemiology; US and CEE Expertise</b></p> <p><b>Session Co-Chairs:</b></p> <p>1. CEE– Peter Rudnai, Deputy Head of Divison for Environmental Health Protection, Budapest</p> <p>2. US– Michael S. Bloom, PhD, Associate Professor, University at Albany, School of Public Health, SUNY</p>		
<b>13:30-14:00</b>	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>Keynote</b></p> <p>Raina Maier, PhD, Professor, Department of Soil Water and Environmental Science University of Arizona (US)</p> </td> <td style="width: 50%; vertical-align: top;"> <p><b>Keynote</b></p> <p>Michael S. Bloom, PhD, Associate Professor, University at Albany, School of Public Health, SUNY (US)</p> </td> </tr> </table>	<p><b>Keynote</b></p> <p>Raina Maier, PhD, Professor, Department of Soil Water and Environmental Science University of Arizona (US)</p>	<p><b>Keynote</b></p> <p>Michael S. Bloom, PhD, Associate Professor, University at Albany, School of Public Health, SUNY (US)</p>
<p><b>Keynote</b></p> <p>Raina Maier, PhD, Professor, Department of Soil Water and Environmental Science University of Arizona (US)</p>	<p><b>Keynote</b></p> <p>Michael S. Bloom, PhD, Associate Professor, University at Albany, School of Public Health, SUNY (US)</p>		



## The Central and Eastern European Conference on Health and the Environment

*The Environment – A Platform for Health*

Cluj-Napoca, May 25–30, 2014

	<u>Mining and social license</u>	<u>Consumption of water contaminated by low-moderate arsenic and spontaneous pregnancy loss among women residing in Timis County Romania</u>
14:00 - 14:15	Elena Simion, Head of Directorate for National Reference Laboratories (RO)  <u>Results of radioactivity analysis in mining area</u>	Daniela Cîrnatu, PhD, Assistant Professor, "Vasile Goldis" Western University of Arad (RO)  <u>Romanian consumer exposure to pesticide residues from food of animal origin during 2009-2012 periods</u>
14:15 - 14:30	Souhail Al-Abed, USEPA, Office of Research and Development. National Risk Management Research Laboratory (US)  <u>Mining and the environment: learning from past experience</u>	Ephraim Massawe, PhD, Assistant Professor, Southeastern Louisiana University (US)  <u>A framework to predict health risks of engineered nanoparticles during environmental remediation: preliminary information needs for oversight and effective exposure</u>
14:30 - 14:50	John McKernan National Risk Management Research Laboratory, Office of Research and Development, USEPA  <u>Stewardship concepts for management of hard rock mining wastewaters</u>	Alida Timar-Gabor, PhD, Assistant Professor, Babes-Bolyai University (RO)  <u>Unconventional materials as fortuitous retrospective luminescent dosimeters in case of a radiological emergency event</u>
<b>14:50-15:10</b>	<b>Coffee break</b>	
15:10-15:40	Juliana Gil-Loaiza, University of Arizona (US)  <u>Direct planting as phytostabilization strategy: overcoming challenges in acidic metalliferous mine tailings in southwestern USA</u>	Naranchimeg Jamiyanjamts, MD, MPH, Mongolian Public Health Professional's Association (MN)  <u>Survey reports on defining IEC needs for household food security, hygiene and sanitation among ethnic/linguistic minorities</u>
15:40 – 16:00	Ioana Pistea, Babes-Bolyai University (RO)  <u>Heavy metals content in drinking water from a closed mining area. Case study: Baia Mare area (Romania)</u>	Yilmaz Bayram, Professor, Yeditepe University Medical School Istanbul (TR)  <u>Investigation of bioactivity of dioxins and genotoxic changes in mammary epithelial cells in breast milk of lactating mothers in Istanbul</u>
<b>Monday Evening</b>		
<b>16:00-17:15</b>	<b>Site Remediation and Thermal Treatment</b>  <b>Session Co-Chairs:</b> 1. RO– Costel Bumbac, PhD, Biologist, Head of Collective Biotechnologists, INCD-ECOIND, Bucharest 2. US– Robert L. Cook, Associate Professor, PhD, Louisiana State University	<b>Advances in Human Biomarkers; Human Biomonitoring Programs</b>  <b>Session Co-Chairs:</b> 1. US– Dr. Michelle Heacock, Health Specialist Administrator, National Institute of Environmental Health Sciences 2. US– Dr. Simona Surdu, PhD, University at Albany
<b>16:00-16:30</b>	<b>Keynote</b> John McKernan, National Risk Management Research Laboratory, Office of Research and Development, USEPA	<b>Keynote</b> H. Vasken Aposhian, PhD Emeritus Professor of Molecular and Cellular Biology (active), College of Science University of Arizona; Emeritus Professor of Pharmacology (active), College of Medicine University of Arizona (US)



## The Central and Eastern European Conference on Health and the Environment

*The Environment – A Platform for Health*

Cluj-Napoca, May 25–30, 2014

	<u>Bioremediation potential for dioxin</u>	<u>The genetic hypersusceptability to the toxic effects of mercury</u>
16:30 - 16:45	Costel Bumbac, Dr. Eng., National Research and Development Institute for Industrial Ecology – ECOIND (RO)  <u>Technical solutions for remediation of historically polluted soils</u>	Edward Fitzgerald, PhD, Professor, School of Public Health, University at Albany, SUNY (US)  <u>Concentrations of selected organochlorines and chlorobenzenes in the serum of former Love Canal residents, Niagara Falls, New York, USA</u>
16:45 - 17:00	Valentina Pidlisnyuk, PhD, Professor Matej Bel University (SK)  <u>Phytoremediation of metal-contaminated soils in Kamenetz-Podilsky, Ukraine by growing of second generation crop <i>Miscanthus x giganteus</i></u>	Corina Rugina, KMG Rompetrol SRL (RO)  <u>Case study: Kronospan Brasov</u>
17:00 - 17:15	Tomas Macek, PhD, Prof. Dipl. Eng. University of Chemical Technology Prague (CZ)  <u>A complex approach to phyto/rhizoremediation of polychlorinated biphenyls</u>	Elisabeth E.Knudsen, PhD, Professor, University of Copenhagen (DK)  <u>DEMOCOPHES with supplementary measurements in Denmark</u>
17:15 - 17:30	Iulia Neamtiu, MD, MS, PhD, Associate Lecturer, Babes-Bolyai University (RO)  <u>Environmental contamination and metals toxicity in Baia Mare area (Romaltyn central TMF)</u>	Pavel Rossner, PhD, Institute of Experimental Medicine, Prague (CZ)  <u>Biomarkers in the Czech population exposed to high concentrations of air pollutants: adaptive response in humans</u>

Tuesday, May 27, 2014

<i>Tuesday morning</i>		
<b>08:30-10:00</b>	<b>Water Quality, Pollutants, and Health Effects</b>  <b>Session Co-Chairs:</b> 1. RO– Cristiana Cosma, Head of Department of Environmental Technologies, INCD ECOIND, Bucharest 2. US– Haider A. Khwaja, PhD, Assistant Professor, Wadsworth Center, Department of Environmental Health Sciences, School of Public Health, University at Albany	<b>-Omics Technologies and Risk Assessment</b>  <b>Session Co-Chairs:</b> 1. CEE– Radim Sram, MD, D.Sc, Institute of Experimental Medicine, Prague 2. RO–Ioana Neagoe, PhD, Professor, Institute of Oncology, Cluj-Napoca
<b>08:30 - 09:00</b>	<b>Keynote</b> Dr. Danielle Carlin, National Institute of Environmental Health Sciences (US)  <u>Toxic Metals Research: New Findings from NIEHS Extramural Community</u>	<b>Keynote</b> Q. Jay Zhao, Toxicologist, Cincinnati Division, National Center for Environmental Health, USEPA  <u>Developing New Tools and Methods for Risk Assessment</u>
09:00-09:15	Gabriela Vasile, PhD senior researcher, National Research & Development Institute for Industrial Ecology Bucharest (INCD-ECOIND) (RO)  <u>Evaluation of tap water quality in large communities from Romania regarding</u>	Andrea Rossnerova, PhD, Institute of Experimental Medicine, Prague (CZ)  <u>Investigation of whole genome DNA methylation in human toxicological studies by novel</u>



## The Central and Eastern European Conference on Health and the Environment

*The Environment – A Platform for Health*

Cluj-Napoca, May 25–30, 2014

	<u>metal concentrations.</u>	<u>molecular approaches</u>
09:15-09:30	Anca Elena Gurzau, , PhD, Professor, Babes-Bolyai University, Environmental Health Center, Cluj-Napoca (RO)  <u>Individual drinking water consumption and the main variables involved in the public perception of drinking water quality: hidden risks</u>	Simona Surdu, MD, PhD, University at Albany, The State University of New York (US)  <u>Factors modifying the susceptibility to nonmelanoma skin cancer from arsenic exposure in Central Europe</u>
09:30-09:45	John Mckernan, National Risk Management Research Laboratory, Office of Research and Development, USEPA  <u>Real-time monitoring and visualization technique for groundwater contaminant mass flux and discharge</u>	Stefania Gheorghe, PhD, National Research & Development Institute for Industrial Ecology Bucharest (INCD-ECOIND) (RO)  <u>Toxic effects of water and sediments collected from Danube Delta based on microbiotests battery response</u>
09:45-10:00	Elena Stanescu, National Research & Development Institute for Industrial Ecology Bucharest (INCD-ECOIND) (RO)  <u>The spatial-temporal structure of the biotic components from the Danube aquatic ecosystems – actual status of Romanian sector</u>	Nancy Kim, PhD, University at Albany, School of Public Health, State University of New York (US)  <u>Soil cleanup objectives for contaminated sites</u>
<b>10:00 - 10:30</b>	<b>Coffee break</b>	
<b>10:30 – 12:00</b>	<b>Health Effects Associated with Domestic and Occupational Exposure</b>  <b>Session Co-Chairs:</b> 1. US– Hyunok Choi, PhD, MPH, Assistant Professor Departments of Environmental Health Sciences, Epidemiology, and Biostatistics, School of Public Health, University at Albany, SUNY 2. US– Jason Krause, Associate Director, Louisiana State University, Stephenson's National Center for Security, Research and Training, National Center for Biomedical Research and Training	<b>Environment and Neurodevelopmental Toxicity</b>  <b>Session Co-Chairs:</b> 1. CEE– Yilmaz Bayram, Professor, Yeditepe University Medical School, Istanbul 2. US– H. Vasken Aposhian, Emeritus Professor of Molecular and Cellular Biology (active), College of Science University of Arizona; Emeritus Professor of Pharmacology (active), College of Medicine University of Arizona
<b>10:30 – 11:00</b>	<b>Keynote</b> Gheorghe Benga, PhD, Professor, "Vasile Goldis" Western University of Arad (RO)  <u>Health problems related to the “apartment” heating appliances (fuelled by natural gas) installed in the building blocks in Romania</u>	<b>Keynote</b> Dafin Muresan, PhD, Professor, "Iuliu Hatieganu" University of Medicine and Pharmacy, Cluj-Napoca (RO)  <u>From neurobiology to neurorehabilitation – the role of neurotechnologies</u>
11:00 – 11:15	Irina Brumboiu, Associate professor, "Iuliu Hatieganu" University of Medicine and Pharmacy (RO)  <u>Colitis with <i>Clostridium difficile</i>: environment, host, nutrition interferences</u>	Corina Lupu, Head of the National Agency for Environmental Protection, Bucharest (RO)  <u>Model of progress assessment of an intervention program for reducing risks associated to exposure to heavy metals (Pb, Cd)</u>



## The Central and Eastern European Conference on Health and the Environment

*The Environment – A Platform for Health*

**Cluj-Napoca, May 25–30, 2014**

11:15 – 11:30	Mihali Ciprian, PhD, "Vasile Goldis" Western University of Arad (RO) <u>Characterization of particulate matter and other pollutants emitted in the breathing air by apartment heating appliances fuelled by natural gas</u>	Russell Andrews, NASA Ames Research Center (US) <u>Disaster response: an opportunity to improve global health in the 21st century</u>
11:30 – 11:45	Oleg Pavlov, MD, PhD, Tula State University (RU) <u>Environmental and professional harmful influences in the uterine myoma development</u>	David Carpenter, Professor, University at Albany, School of Public Health, SUNY (US) <u>Environmental exposure and risks of diabetes, cardiovascular disease and hypertension</u>
11:45 – 12:00	Jean Moore, Director School of Public Health, University at Albany, SUNY (US) <u>Health and safety session a new direction in occupational health: workplace wellness</u>	Simescu Mihaela, MD, SC Simescu Consult SRL (RO) <u>Multiple pesticides exposure of greenhouses workers and thyroid parameters</u>
<b>12:00-13:30</b>	<b>Lunch break</b>	
<b>Tuesday afternoon</b>		
<b>13:30 –15:00</b>	<b>Student Priority I*</b> <b>Risk Management, Assessment, and Regional Case Studies</b> <b>Session Co-Chairs:</b> 1.US– Margaret Reams, Professor of Environmental Sciences, Louisiana State University, LSU Superfund Research Program Community Engagement Core leader 2.CEE– Yuriy Chayka, O. O. Bogomolets National Medical University, Ukraine	<b>Student Priority II*</b> <b>Environmental Health</b> <b>Session Co-Chairs:</b> 1. US– Bernhard Hennig, PhD, RD, University of Kentucky 2. US– Edward Fitzgerald, PhD, Professor, School of Public Health, University at Albany, SUNY
<b>13:30 - 14:00</b>	<b>Keynote</b> Nina Lam, PhD, Professor, Louisiana State University (USA) <u>Geospatial Methods for Reducing Uncertainties in Environmental Health Risk Assessment: Challenges and Opportunities</u>	<b>Keynote</b> Bernhard Hennig, PhD, RD, University of Kentucky (USA) <u>Nutritional Modulation of the Toxicity of Environmental Pollutants: Implications in Public Health</u>
14:00 - 14:15	Simone Domingue, Louisiana State University (US) <u>Enhancing the resiliency of Louisiana communities to environmental pollutants: the LSU Superfund Research Program's community engagement work</u>	Michael Petriello, University of Kentucky (US) <u>Dietary supplementation with green tea polyphenols decreases PCB-induced hepatotoxicity and oxidative stress in mice by upregulating antioxidant genes</u>
14:15 - 14:30	Adina Lucia Truta, PhD, Babes-Bolyai University (RO) <u>Environmental exposure to radon causes lung cancer: a review of risk assessment with TF-TR model</u>	Erin Madeen, PhD, Oregon State University (US) <u>Environmentally relevant in vivo human pharmacodynamic analysis of the polycyclic aromatic hydrocarbon, dibenzo (def,p) chrysene: new tools for PBPK model validation</u>
14:30 - 14:45	Cristian Stoica, H&S Eco Consult (RO)	Alina Catrangiu, National Research & Development Institute for Industrial Ecology



## The Central and Eastern European Conference on Health and the Environment

*The Environment – A Platform for Health*

**Cluj-Napoca, May 25–30, 2014**

	<u>Time validation of risk assessment studies</u>	Bucharest (INCD-ECOIND) (RO) <u>Occurrence and antibiotic resistance profiles of gram negative strains isolated from the Danube Delta ecosystem</u>
14:45 - 15:00	Elisabeth Feld, Louisiana State University Superfund Research Program (US) <u>Effect of metal speciation on EPFR formation</u>	Ionescu Artur, Babes-Bolyai University (RO) <u>Radon and radium measurements in spring waters, from different geological settings (Romania)</u>
<b>15:00-15:30</b>		<b>Coffee break</b>
<b>15:30 - 18:00</b>		<b>Poster session</b>
<b>18:00 - 21:00</b>		<b>Dinner</b>

**Wednesday, May 28, 2014**

<i>Wednesday morning</i>			
<b>08:30- 10:00</b>	<b>Soil Contamination</b>  <b>Session Co-Chairs:</b> 1. RO– Liliana Cruceru, Head of the Water, Soil and Waste Analysis Laboratory, INCD- ECOIND 2. US– John McKernan, National Risk Management Research Laboratory, Office of Research and Development, EPA	<b>Children's Environmental Health and Asthma</b>  <b>Session Co-Chairs:</b> 1. US– William Suk, Director of Hazardous Substance Research/SRP Branch, NIEHS 2. CEE– Anna Paldy, Deputy Director, National Institute of Public Health, Budapest	<b>Security, Energy and Environmental Changes at the Beginning of 21<sup>st</sup> Century</b>  <b>Session Co-chairs:</b> 1.RO– Sergiu Medar, PhD, Gen (R.), Professor, National Academy of Information, Gen. Adrieaen Pârlog, PhD, Associated Professor, Babes-Bolyai University 2.US– Slawo Lomnicki, PhD, Assistant Professor Environmental Health, Louisiana State University, LSU SRP Materials Core Leader
<b>08:30- 09:00</b>	<b>Keynote</b> Souhail Al-Abed, National Risk Management Research Laboratory, Office of Research and Development, EPA (US)  <u>Nanotechnology and the Environment: Implications and Applications</u>	<b>Keynote</b> Hyunok Choi, PhD, MPH Assistant Professor Departments of Environmental Health Sciences, Epidemiology, and Biostatistics, School of Public Health, University at Albany, SUNY (US)  <u>Dampness-Related Indoor Chemical Mixture and Allergy Disease Risk</u>	<b>Keynote</b> Margaret Reams, Professor of Environmental Sciences, Louisiana State University, LSU Superfund Research Program Community Engagement Core leader (US)  <u>Applying a Social-Ecological Resilience Framework to Planning for Energy Security</u>
<b>09:00-09:30</b>	Robert L. Cook, Associate Professor, PhD, Louisiana State University (US)  <u>A model approach to studying environmentally persistent free radicals (EPFRs) in superfund soils</u>	Carmen Panaitescu MD, PhD, University of Medicine and Pharmacy Victor Babes Timisoara (RO)  <u>Indoor and outdoor biological air pollutants and their impact on asthma</u>	Mireille Rădoi, PhD, Associated Professor, Babes Bolyai University (RO)  <u>Renewable energy- a chance for Romania to become a major regional player</u>

**The Central and Eastern European Conference on Health and the Environment**  
*The Environment – A Platform for Health*

**Cluj-Napoca, May 25–30, 2014**

09:30-09:45	<p>Yuriy Chayka, O. O. Bogomolets National Medical University, (UA)</p> <p><u>Actual question of 2,4-D 2-ethylhexile ester hygienic and ecological risk assessment in Ukraine</u></p>	<p>Alexandra Schneider, Babes Bolyai University (RO)</p> <p><u>The UFIREG Project - health effects of ultrafine particles in Central Europe</u></p>	<p><b>Environment, Environmental Health, and Military conflicts</b></p> <p><b>Session Co-chairs:</b>          1.RO– Mireille Rădoi, PhD, Associated Professor, Babes-Bolyai University, Cluj-Napoca          2.EU– Ida Caracciolo - Professor of International Law at the University of Naples II, Faculty of Political Studies, Department of European Studies and the Mediterranean</p> <p><b>Keynote</b>          Anda Curta, PhD, Director, Regional Center of Public Health, Associated Professor, Babes-Bolyai University (RO)</p> <p><u>Changing Security Paradigms: Health Security in the 21<sup>st</sup> Century</u></p>
09:45-10:00	<p>Bogdan Stanescu, National Research &amp; Development Institute for Industrial Ecology Bucharest (INCD-ECOIND) (RO)</p> <p><u>Study of the assessment of soil pollution in the case of damage to an oil pipeline</u></p>	<p>Jan Topinka, Institute of Experimental Medicine (CZ)</p> <p><u>Gene expression profiles in asthmatic children living in localities with different extent of air pollution</u></p>	<p>Adrian Gurau, PhD.c, Petru Pitcovici, PhD.c. Babes-Bolyai University (RO)</p> <p><u>Terrorism and organized crime</u></p>
10:00 – 10:15	<p>Carmen Roba, Babes-Bolyai University (RO)</p> <p><u>Nitrite and nitrate content in the drinking water from private wells in some rural and urban areas from Romania</u></p>	<p>Peter Rudnai, National Institute of Environmental Health (HU)</p> <p><u>Nation – wide survey of chronic respiratory symptoms among 3<sup>rd</sup> grade school – children in Hungary</u></p>	<p>Claudia Mera, PhD.c; Bogdan Ioan, PhD, Babes-Bolyai University (RO)</p> <p><u>What does environment mean in the context of migratory flows?</u></p>
<b>10:15 - 10:30</b> <i>Coffee break</i>			
<b>10:30- 12:00</b>	<p><b>Nanotechnology and other Emerging Pollutants</b></p> <p><b>Session Co-chair:</b>          1. RO– Professor Dafin Muresan, PhD, “Iuliu Hatieganu” University of Medicine and Pharmacy Cluj-Napoca          2. US– Ramune Reliene, Assistant Professor Environmental Health Sciences, University at Albany, SUNY</p>	<p><b>Air Pollution and Health</b></p> <p><b>Session Co-Chairs:</b>          1. RO– Rodica Debiasi, Givaroli Impex SRL          2. US– Danielle Carlin, PhD, National Institute of Environmental Health Sciences</p>	<p><b>Armed conflicts, reconstruction and sustainable development</b></p> <p><b>Session Co-chairs:</b>          1. RO – Iulian Fota , Presidential Adviser, Head of the Department of National Security          2. EU –Andrea Carteny, Professor, Sapienza University of Rome</p>



## The Central and Eastern European Conference on Health and the Environment

*The Environment – A Platform for Health*

**Cluj-Napoca, May 25–30, 2014**

10:30 – 11:00	<p><b>Keynote</b> Ramune Reliene, Assistant Professor Environmental Health Sciences, University at Albany State University of New York (USA)</p> <p><u>Oral Ingestion of Silver Nanoparticles Induces DNA Damage and Genomic Instability in Multiple Tissues</u></p>	<p><b>Keynote</b> Haider A. Khwaja, PhD, Assistant Professor, Wadsworth Center, Department of Environmental Health Sciences, School of Public Health, University at Albany (USA)</p> <p><u>Health Effects of Air Pollution</u></p>	<p><b>Keynote</b> Iulian Fota , Presidential Adviser, Head of the Department of National Security (RO)</p> <p><u>The End of Holidays in Europe – Towards a New Cold War</u></p>
11:00 – 11:15	<p>Slawo Lomnicki, PhD, Assistant Professor Environmental Health, Louisiana State University, LSU SRP Materials Core Leader (US)</p> <p><u>Are complex mixtures a new type of pollutants – EPFR example</u></p>	<p>Alexander Khadartsev, PhD, Professor, Chief of the Department of Internal diseases, Director of Medical Institute at Tula State University</p> <p><u>Risk estimation of urban population health under contamination dominating pollutants and products of their transformation in atmospheric air</u></p>	<p>Tunde Nagy, Babes Bolyai University (RO)</p> <p><u>The war which brings in the cold-Ukraine and Crimea – Maskirovka and Disinformatsia</u></p>
11:15 – 11:30	<p>Cristina Sabliov, PhD, Associate Professor, Louisiana State University (US)</p> <p><u>Biodegradable polymeric nanoparticles as pesticide delivery systems: pesticide effectiveness and nanoparticle uptake and potential environmental impact</u></p>	<p>Hyunok Choi, PhD, MPH, Assistant Professor Departments of Environmental Health Sciences, Epidemiology, and Biostatistics, School of Public Health, University at Albany, SUNY</p> <p><u>Synthetic origins of microbial volatile organic compounds in the homes of asthmatic and healthy children</u></p>	<p>Adrian Daniel Stan, PhD, Babes-Bolyai University</p> <p><u>Humanitarian intervention and conflict management</u></p> <p>Claudia Iov, PhD; Maria Nistor, PhDc, Babes Bolyai University (RO)</p> <p><u>Post-war reconstruction and sustainable development. An overview</u></p>
11:30 – 11:45	<p>William Gehling, PhD, Louisiana State University (US)</p> <p><u>Environmentally persistent free radicals (EPFRs) in PM2.5: their contribution to hydroxyl radical concentration and atmospheric transformation</u></p>	<p>Elena Bucur, National Research &amp; Development Institute for Industrial Ecology Bucharest (INCD- ECOIND) (RO)</p> <p><u>Impact assessment of pollution with PM2.5 breathable particulate matter from urban areas with intense road traffic on the population health.</u></p>	<p>Dacian Duna., PhD, Lecturer Babes Bolyai University, Raul Dancuta, PhDc, Babes Bolyai University (RO)</p> <p><u>Old and new geopolitical concerns for the european union: an assessment of the eastern partnership in the wake of the russian resurgence</u></p>
11:45 – 12:00	<p>Michelle Heacock, Health Specialist Administrator, National Institute of Environmental Health Sciences (NIEHS) (US)</p> <p><u>Prevention/interventions strategies to minimize exposure to electronic waste</u></p>	<p>Rogozea Liliana, MD, PhD, Professor, Transilvania University of Brasov (RO)</p> <p><u>Environmental perspective of bio-ethics and health promotion in global health</u></p>	<p>Q. Jay Zhao, MD, MPH, PhD, USEPA</p> <p><u>A health assessment of technical grade dinitrotoluene</u></p>
12:00 – 13:30	<b>Lunch break</b>		



## The Central and Eastern European Conference on Health and the Environment

*The Environment – A Platform for Health*

**Cluj-Napoca, May 25–30, 2014**

<i>Wednesday afternoon</i>		
<b>14:00 - 15:15</b>	<b>Environmental, Risk Assessment and Management Issues</b>  <b>Session Co-Chairs:</b> 1. US - Annette Gattchet, Acting Director, Cincinnati Division, National Center for Environmental Health, EPA 2. CEE - Jan Topinka, Institute of Experimental Medicine AS CR	<b>Regional Case Studies (the Balkans, the Black Sea, the Caspian Sea and the Middle East)</b>  <b>Session Co-Chairs:</b> 1. RO - Teodor Frunzeti, Gen (R), Academy of Romanian Scientists 2. EU - Andre Liebich, Honorary Professor, Graduate Institute of International and Development Studies, Geneva
<b>14:00 - 14:30</b>	<b>Keynote</b> Jim Voit, Analytical Chemist, Quality Assurance Manager, USEPA  <u>Environmental Methodology and Data Validation</u>	<b>Keynote</b> Teodor Frunzeti, Gen (R), Academy of Romanian Scientists (RO)  <u>Assimetric And Unconventional Conflicts In An Evolving Security Environment</u>
14:30 - 14:45	Lucian Constantin, National Research & Development Institute for Industrial Ecology Bucharest (INCD-ECOIND) (RO)  <u>Towards a circular economy – industrial symbiosis in Romania</u>	Florin Calin, PhD, Babes-Bolyai University (RO)  <u>European External Action Service in conflict regions</u>
14:45 – 15:00	Ionel Virgil Criste, National Research & Development Institute for Industrial Ecology Bucharest (INCD-ECOIND) (RO)  <u>Method for assessing the environmental impacts</u>	<b>The Geopolitics of Military (In) Security:</b> <b>Session Co-Chairs:</b> 1.RO– Nicolae Melinescu, PhD, Associated Professor, Babes-Bolyai University 2.CEE– Barbara Loyer, Professor, Director of Institut Français de Géopolitique, Paris 8 University  <b>Keynote</b> Nicolae Melinescu, PhD, e PhD si visiting professor la noi la Babes-Bolyai University  <u>Poisonous effects of maritime piracy</u>
15:00 - 15:15	Georgeta Madalina Arama, PhD, Eng, National Research & Development Institute for Industrial Ecology Bucharest (INCD-ECOIND) (RO)  <u>Modern methodologies for environmental risk assessment and influences on human health</u>	Alexandru Miron, PhD, Babes Bolyai University (RO)  <u>Terrorism as irregular warfare</u>
<b>15:15 - 15:30</b>	<b>Coffee break</b>	
<b>15:30 - 17:30</b>	<b>Poster session</b>	
<b>18:00 - 21:00</b>	<b>Conference Dinner – Hotel Belvedere</b>	



## The Central and Eastern European Conference on Health and the Environment

*The Environment – A Platform for Health*

**Cluj-Napoca, May 25–30, 2014**

**Thursday, May 29, 2014**

<i>Thursday morning</i>		
<b>08:30 – 10:30</b>	<p><b>Global Health in the 21th Century</b></p> <p><b>Session Co-Chairs:</b>            1. US – Jean Moore, Director of Center for Health Workforce Studies, School of Public Health, University at Albany, SUNY            2. US– Professor Philip Nasca, PhD, Dean of the School of Public Health University at Albany, SUNY</p>	<p><b>Environmental Security</b></p> <p><b>Session Co-chairs:</b>            1. CEE– Amalia Hambartsumyan, "Khazer" NGO, Armenia            2. US– Elisabeta Mitran, LSU Superfund Research Training Core Coordinator, Louisiana State University</p>
<b>08:30 – 09:00</b>	<p><b>Keynote</b>            Philip Nasca, PhD, Professor, Dean of the School of Public Health University at Albany, SUNY (US)</p> <p><u>Environmental Health Issues in the 21th Century</u></p>	<p><b>Keynote</b>            Anca Gurzau, PhD, Professor, Babes-Bolyai University, Environmental Health Center, Cluj-Napoca (RO)</p> <p><u>Environmental Security: Peace or War?</u></p>
<b>09:00 – 09:15</b>	<p>Radim Sram, MD, DS.c, Institute of Experimental Medicine, Prague (CZ)</p> <p><u>Air pollution and molecular biomarkers of children health</u></p>	<p>Jason Krause, Associate Director, Louisiana State University (US)</p> <p><u>Lessing environmental and public health impact of hazardous materials, biological and food safety incidents via training for capability assessment, mitigation planning and emergency response</u></p>
<b>09:15 – 09:30</b>	<p>Jean Moore, Director School of Public Health, University at Albany, SUNY (US)</p> <p><u>Global Health in the 21st Century: Perspectives from the U.S.</u></p>	<p>Iulia Neamtii, MD, MS, PhD, Associate Lecturer Babes-Bolyai University (RO)</p> <p><u>Evaluation of the exposure to hazardous substances in a population group living in the surroundings of an aerospace products manufacturing facility</u></p>
<b>09:30 – 09:45</b>	<p>Anna Paldy, Deputy Director, National Institute of Public Health, Budapest (HU)</p> <p><u>Health impacts of climate change - what do we experience in CEE?</u></p>	<p>Samuel Byrne, University at Albany, School of Public Health, SUNY (US)</p> <p><u>Military contamination and persistent organochlorine pesticides in the serum of Siberian yupik people from St. Lawrence island, Alaska</u></p>
<b>09:45-10:00</b>	<p>John Justino, Director of the Center for Global Health, University at Albany, School of Public Health, SUNY (US)</p> <p><u>The importance of effective global partnerships and why Schools of Public Health and Medical Schools around the world(even state-funded institutions) must and should engage globally</u></p>	<p>Amalia Hambartsumyan, "Khazer" NGO (ARM)</p> <p><u>Adverse effects of climate change on population health in Armenia</u></p>
<b>10:00 - 10:15</b>	<i>Coffee break</i>	
<b>10:15- 11:45</b>	<b>Career Opportunities: A Panel Discussion for Students</b>	



# The Central and Eastern European Conference on Health and the Environment

*The Environment – A Platform for Health*

**Cluj-Napoca, May 25–30, 2014**

	<b>Session Co-Chairs:</b> 1. US –Danielle Carlin, PhD, National Institute of Environmental Health Sciences 2. US – Michael Petriello, University of Kentucky
<b>10:15-10:35</b>	<b>Keynote</b> Randy Duran, The Gordon A. Cain Chair for STEM Literacy and Director of the Office of Undergraduate Research at LSU
10:35-11:20	<b>Panelists:</b> <i>Dr. Michelle Heacock, National Institute of Environmental Health Sciences, USA</i> <i>Prof. Tomas Macek, University of Chemical Technology, Prague, Czech Republic</i> <i>Dr. Simona Surdu, University at Albany, US</i>
<b>11:20-11:45</b>	<b>Discussions</b>
<b>11:45 - 13:30</b>	<b>Closing Plenary</b> 11:45-12:00 - Keynote: Radim Sram, CEE 12:00-12:15 - Keynote: William Suk, US 12:15-12:30 - Keynote: Eugen Gurzau, Romania 12:30-12:50 - Keynote: Annette Gatchett, US - Human Health Risk assessment 12:50-13:10 - Student Panel Conclusions, Michael Petriello, University of Kentucky 13:10 -13:20 - Student Appreciation and Recognition, Elisabeta Mitran, LSU 13:20 -13:30 - <b>Moderators and Closing:</b> Eugen Gurzau (RO), Radim Sram (CZ), William Suk, NIEHS (US)
<b>13:30-14:30</b>	<b>Lunch and farewell</b>

US – United States  
 RO – Romania

CEE – Central and Eastern European Country



Suștinem  
**CLUJ-NAPOCA 2021**  
 Capitală Culturală Europeană  
 oraș candidat

**Project supported by the City Hall and City Council of Cluj-Napoca**

"All conference materials (promotional materials, agenda, publications and internet sites) related to this project must include an acknowledgment of NIH grant support"

"Funding for this conference was made possible (in part) by R13 ES024072 from the National Institute of Environmental Health Sciences. The views expressed in written conference materials or publications and by speakers and moderators do not necessarily reflect the official policies of the Department of Health and Human Services; nor does mention by trade names, commercial practices, or organizations imply endorsement by the U.S. Government."