

Topical Scientific Workshop on Risk Assessment for the Sediment Compartment, 7-8 May 2013

Biosketches

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| Rio Tinto United States of America | Dr William | ADAMS |
| <p>Dr. Adams is currently General Manager for Rio Tinto and manages all of the company's global remediation programs. He was previously Director of Product Stewardship at Rio Tinto and also Director of Environmental Science for six years at Kennecott Utah Copper, Salt Lake City, Utah. Dr. Adams responsibilities include managing site remedial programs, environmental research, ecological risk assessments and interface with regulators on science-based issues. Recent research interests include developing ecotoxicology risk assessment methods for metals, site-specific methodologies for water quality criteria for metals, and development of an alternative strategy for metals to replace the existing PBT (persistent, toxicity and bioaccumulation) approach. Dr. Adams has 100 + publications, several books and has published several papers on methods for assessing sediments, water and tissue concentrations. He was instrumental in developing the science supporting equilibrium partitioning theory (EqP) for non-polar organic substances. He has also published several papers in the area of water quality assessments. Dr. Adams was a member of the EPA Science Advisory Board (SAB) for 10 years and a member of the EPA Superfund National Advisory Committee for Environmental Policy and Technology. Bill was a recent recipient of the SETAC Founders Award and one of the founders of the Metals Advisory Group.</p> | | |
| European Chemicals Agency Finland | Dr Daniele | APE |
| <p>Dr Daniele Ape is a junior scientific officer employed by the European Chemicals Agency for almost 5 years. He works as a project manager for development and update of ECHA Guidance documents. He works, among others, on the update of the Guidance on Information Requirements and Chemical Safety Assessment, environment part. He is member of the Environment and Exposure Platform. Through his work he interacts and coordinates meetings with stakeholders and Competent Authorities to ensure acceptance and quality of the ECHA Guidance documents. Prior to be employed by ECHA he worked in a consultancy company providing software for safety data sheets and labelling of chemicals and regulatory consultancy. Dr Ape received a Bachelor degree in Environmental Control and Evaluation and a Master degree in Environmental Science from the Insubria University of Como.</p> | | |
| SEA Environmental Decisions Ltd United Kingdom | Dr Sabine E. | APITZ |
| <p>Dr Sabine E Apitz has been the Director of SEA Environmental Decision, Ltd., an independent consultancy providing interdisciplinary integration; scientific, technical and policy support and input on issues of catchment and marine environmental management and research to an international group of clients since 2003; and was the Director of the Sediment Management Laboratory, part of a marine environmental research laboratory providing research and advice on the assessment and management of contaminated sediments to the US Government from 1991. The focus of many of SEA's projects has been on contaminated sediment assessment and management; watershed-scale, multi-stressor and ecosystem-based models and frameworks, and comparative assessment of sediment management strategies; past work included in situ and on site sensors; multi-</p> | | |

instrument integrated field study design and synthesis; PAH biodegradation; and environmental security. She has a BS in Chemistry from California State University, Fullerton, and an MS and PhD in Oceanography/Marine Geochemistry from Scripps Institution of Oceanography, UCSD. She has decades of experience in sitting on, as well as organising and supporting various workshops, advisory panels and committees, and has worked extensively and collaboratively with government, industry, NGOs and other agencies, in Europe, Asia and North America. She has authored or co-authored over 300 journal articles, book chapters, reports, newsletter articles, editorials, presentations and lectures, throughout the world, with many dozen collaborators, is on the editorial board of two journals, Integrated Environmental Assessment and Management and the Journal of Soils and Sediments, and is an active member of SETAC.

University of Antwerp
Belgium

Prof Ronny

BLUST

Ronny Blust is professor in Environmental Physiology and Toxicology in the Department of Biology at the University of Antwerp, Belgium. He has an educational background in adaptational physiology and holds a PhD in environmental toxicology. He is director of the Systemic Physiology and Ecotoxicology Research (SPHERE) unit. A multidisciplinary team studying the impact of environmental stress on aquatic and terrestrial systems from the molecular to the ecological level. Research interests include mode of action of toxicants, biological availability and accumulation and the dynamics of exposure effect relationships. Ronny Blust is (co)author of over 300 scientific papers and chapters and is active in different international organisations including SETAC and ESCPB. He is member of the metal industry ETAP panel and other advisory boards and as such familiar with different risk assessment related topics and concerns from both an industry and regulatory perspective.

EFSA - European Food Safety Authority
Italy

Dr Stephanie

BOPP

Dr Stephanie Bopp is a scientific officer at the European Food Safety Authority (EFSA, Parma, Italy) since almost 5 years. In her current work she supports the PPR Panel of EFSA in the development of new Guidance Documents for the Environmental Risk Assessment of Pesticides, with the current activities focusing on effect assessment for aquatic organisms. She has a broad background in environmental sciences with a focus on ecotoxicology and environmental chemistry. She worked before in several different research institutes in Germany (University of Bayreuth, UFZ Centre for Environmental Research), Switzerland (University of Basel) and Italy (EC Joint Research Centre) in various areas ranging from passive sampling of groundwater contaminants with combined chemical and ecotoxicological analysis to ecotoxicogenomics, always with the aim to understand the fate and behaviour of environmental pollutants as well as to assess their effects on the environment.

German Federal Institute of Hydrology
Germany

Dr Marvin

BRINKE

Dr Marvin Brinke is a research assistant employed by the Federal Institute of Hydrology (BfG), Koblenz, Germany. His current research focuses on the evaluation of the feasibility and applicability as well as the further and new development of tools and concepts for risk assessment and management of contaminated sediments and dredged material. This includes sediment quality guidelines/environmental quality standards, assessment of (meio-)benthic communities, (ecological-ecotoxicological) indices, and integrative approaches taking into account several lines of evidence. In the past he has participated in an environmental risk assessment for the pharmaceutical ivermectin, the ISO-standardization of the Caenorhabditis elegans bioassay, and the development of the NemaSPEAR index. Dr Brinke received a Masters degree (Diploma) in Environmental Science and a Ph. D. based on work concerning the impact of pollutants on meiobenthic freshwater organisms (toxicity tests, life-cycle response experiments, model ecosystems)

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| from the University of Bielefeld, Germany. | | |
| U.S. EPA United States of America | Dr Robert M | BURGESS |
| <p>Dr. Robert M Burgess is a Research Physical Scientist employed by the United States Environmental Protection Agency (U.S. EPA) Office of Research and Development Atlantic Ecology Division in Narragansett, Rhode Island, USA. Dr. Burgess has been with the U.S. EPA for approximately 20 years. His current research focuses on better understanding the partitioning and bioavailability of organic and metal contaminants. Specifically, this research emphasizes the use of passive samplers for measuring the bioavailability of legacy and emerging contaminants, including nanomaterials, in the marine environment. He has participated in several review committees both on the national and international level as well as several scientific workshops. Dr Burgess is an active member of the Society of Environmental Toxicology and Chemistry, the American Chemical Society, and the American Association for the Advancement of Science. He has contributed to the authorship of approximately 80 peer-reviewed papers and book chapters, most of which are related to sediment contamination and aspects of risk assessment. Part of Dr. Burgess' position also involves providing technical assistance to U.S. EPA and state regulators around the United States. Dr. Burgess received a Masters degree in Biological Oceanography and Ph.D in Chemical Oceanography from the University of Rhode Island Graduate School of Oceanography.</p> | | |
| University of Michigan United States of America | Prof G. Allen | BURTON |
| <p>Dr. Burton is a Professor in the School of Natural Resources & Environment and Director of the Cooperative Institute of Limnology and Ecosystems Research at the University of Michigan. His research on ecological risk assessment and aquatic ecosystem stressors has taken him to all seven continents with Visiting Scientist positions in New Zealand, Italy and Portugal. This research has focused on sediment and stormwater contaminants and understanding effects and ecological risk at multiple trophic levels. He is Editor-in-Chief of the international journal, Environmental Toxicology & Chemistry, past president of the Society of Environmental Toxicology & Chemistry, and has served on numerous national and international panels with over 160 peer-reviewed publications.</p> | | |
| INRS. University of Québec Canada | Prof Peter | CAMPBELL |
| <p>Peter Campbell Professor Centre Eau, Terre et Environnement, INRS</p> <p>After completing his PhD at Queen's University (Kingston, Ontario, Canada) in organometallic chemistry, Peter Campbell spent two years at Monash University working with Professor John Swan in the area of organophosphorus chemistry. In 1970 he returned to Canada and took up a position in a water research centre at the Institut national de la Recherche scientifique (Université du Québec, INRS-ETE), where he is currently a Professor. Peter is interested in the biogeochemistry of metals in the aquatic environment. Current research topics include elements of analytical chemistry (development and refinement of methods to determine metal speciation), geochemistry (identification of factors controlling metal speciation in natural waters) and ecotoxicology (development of predictive models relating the biological response elicited by a metal to its speciation, both in the external medium and in the intracellular environment). Peter has worked on the legacy effects of metal mining, and on metal risk assessments related to mining operations in Northern Quebec, Papua-New Guinea and New Caledonia. He directed the Metals in the Environment Research Network (MITE-RN) from 1998-2004 and presently holds a Canada Research Chair in Metal Ecotoxicology. He was elected to the Academy of Sciences of the Royal Society of Canada in 2002.</p> | | |

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| National Institute of Health Italy | Dr Mario | CARERE |
| <p>Mario Carere is a researcher, biologist, with a degree taken in 1995 at the Rome University "La sapienza"; he is employed at the Italian Institute of Health, Department of Environment and Primary Prevention from 1997. His current research focuses on the evaluation on the risks for environment and human health linked to the chemical pollution of waterbodies with a particular focus on contaminated sediments in national remediation sites. He participates in several national working groups and committees. At European level he is chair of the European expert group CMEP (chemical monitoring and emerging pollutants) in the context of the common implementation strategy of the water framework directive. He is also focal point for Italy at the European Council for the discussion of the Directive proposal on priority substances in aquatic environments. He is author of several national and international scientific papers and contributor of European guidelines in the field of chemical aquatic contamination. He is currently involved in a European project related to the evaluation of effects in European waterbodies and in a national project on marine strategy. Has participated to several international conferences and workshop as lecturer and as chair of scientific sessions.</p> | | |
| U.S. Geological Survey United States of America | Dr Daren | CARLISLE |
| <p>Dr Daren Carlisle is an ecologist employed by the United States Geological Survey for 10 years. His current research focuses on understanding the human-caused factors that lead to ecological impairment of rivers and streams, particularly chemical contaminants and modified hydrology. He is also interested in developing ecological indicators that allow improved assessments of human-caused changes to aquatic ecosystems. He has participated on national review teams and work groups to develop indicators and design monitoring programs. He is a member of the Ecological Society of America and the Society of Freshwater Science, and currently serves as an associate editor for the journal Freshwater Science. Dr Carlisle enjoys collaborating in research with others having different backgrounds than his own, and has co-authored more than 35 publications on a wide range of topics. Much of his research focuses in the needs of national, regional, and local environmental regulators and resource managers. Prior to his current position, Dr Carlisle was a regional ecologist for the U.S. National Park Service where he developed and coordinated research and monitoring related to contaminants in aquatic ecosystems. Dr Carlisle earned a PhD at Colorado State University studying the impacts of metal pollution on river food webs. He earned a MS at Utah State University studying the effects of exotic fish species on alpine lakes. His undergraduate training is in fisheries science and statistics.</p> | | |
| Swiss Centre for Applied Ecotoxicology Switzerland | Dr M ^a Carmen | CASADO-MARTÍNEZ |
| <p>Dr Carmen Casado-Martinez is a scientist at the Swiss Centre for Applied Ecotoxicology EAWAG-EPFL (Ecotox Centre), where she works as a sediment ecotoxicologist. The Ecotox Centre is a public institute with an advisory, contact and knowledge hub function for ecotoxicology topics in Switzerland, interacting with the various stakeholders and environmental agencies. It also elaborates methods and scientific investigations for the identification, evaluation and reduction of risks associated with chemical substances. Dr Casado-Martinez received a Masters degree in Water and Coastal Management and a PhD in Marine Sciences from the University of Cadiz (Spain). She has mainly worked on the development and standardisation of guidelines for the assessment of contaminated sediments and dredged material and has experience on the bioaccumulation and toxicity of trace metals in benthic invertebrates.</p> | | |

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| Golder Associates Ltd Canada | Dr Peter | CHAPMAN |
| <p>Dr. Peter Chapman is a Principal and Senior Environmental Scientist with Golder Associates Ltd (Canada). He has 35 years experience in ecotoxicology, risk assessment, and aquatic ecology including integrated assessments of aquatic ecosystems. He pioneered the Sediment Quality Triad (in the 1980s) and Weight of Evidence determinations (in the 1990s). He has published over 200 peer reviewed journal articles and book chapters and edited three books. In addition to contaminants in sediments and other media, his publications include the other major stressors of aquatic ecosystems: climate change, habitat change, introduced species, and eutrophication. Dr. Chapman has provided expert scientific advice to a variety of government agencies (e.g., Environment Canada and USEPA in North America). He is Senior Editor of the international journal, Human and Ecological Risk Assessment, edits the Learned Discourses in the journal Integrated Environmental Assessment and Management, and is on the Editorial Board of three other international journals. In 2001 the Society of Environmental Toxicology and Chemistry (SETAC) awarded him their highest honor, the Founders Award, for lifetime achievement and outstanding contributions to the environmental sciences.</p> | | |
| University of Michigan United States of America | Dr David | COSTELLO |
| <p>Dr. David Costello is an Assistant Research Scientist at the School of Natural Resources & Environment at the University of Michigan. His current research focuses on the biogeochemistry and ecotoxicology of metals (Ni, Cu, Zn) in freshwater ecosystems. Recent projects related to ecotoxicology include field validation of metal bioavailability models, comparison of lab-to-field effects criteria, assessment of passive samplers (DGTs), and demonstration of ecosystem function as valid assessment endpoints. Other research interests included invasive species ecology, ecological stoichiometry, and ecosystem ecology with a focus on the role of biofilms. He has written 11 papers, and 6 have been related to ecotoxicology in freshwater ecosystems. Dave received a BS in Biology from Hobart College and a PhD in Biology from the University of Notre Dame.</p> | | |
| European Copper Institute Belgium | Dr Katrien | DELBEKE |
| <p>I am a biologist by training with a PhD in ecotoxicology (organochlorines and metals). I started my career as a researcher at the Free University of Brussels (VUB), where I also managed an inter-university postgraduate training course on marine ecology, with a teaching assignment on marine ecotoxicology. I then led the ecotoxicity department at LISEC (Consultancy). Since 1999, I am affiliated to the European copper Institute (ECI) and am currently director of ECI's Health, Environment and Sustainable Development activities. I have been involved in various regulatory activities including, EU RA, REACH, Classification and labelling and WFD.</p> | | |
| Wageningen University The Netherlands | Ms Noël | DIEPENS |
| <p>Ir. ing. Noël Diepens works as a PhD at the Aquatic Ecology and Water Quality Management Group at Wageningen University in The Netherlands. Her current research focuses on sediment toxicity tests in the context of prospective risk assessment. This work includes microorganisms, macrophytes and benthic invertebrates in fresh, estuarine and marine systems on different levels of biological organisation. Recently, a review on this topic has been published in Critical Reviews in Environmental Science and Technology (DOI: 10.1080/01496395.2012.718945). Ir.ing. Diepens received a Bachelor degree in Aquatic Ecotechnology from the Applied University of Zeeland and a Master's degree in Aquatic Ecology and Water Quality Management. During here Master, she had a strong focus on ecotoxicology especially tropical ecotoxicology and toxicokinetics and dynamics modelling.</p> | | |

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| Finnish Safety and Chemicals Agency Finland | Dr Juha | EINOLA |
| <p>Dr Juha Einola is a senior adviser employed by the Finnish Safety and Chemicals Agency for 2 years. His work focuses on the assessment of environmental fate, hazards and risks of chemicals in the framework of the EU regulations REACH and CLP. He received a Master's degree and a Ph.D. in Environmental Science and Technology from the University of Jyväskylä. Prior to starting his present work he worked as researcher in the field of environmental technology, focusing on the microbial oxidation of methane in landfills to reduce the greenhouse gas emissions from waste disposal; other research topics have included anaerobic biodegradation of solid wastes and biological methane production.</p> | | |
| Exponent United States of America | Dr Anne | FAIRBROTHER |
| <p>Dr. Anne Fairbrother, D.V.M., Ph.D. is a Principal Scientist and Director at Exponent's Bellevue, WA office. Her areas of expertise are ecological risk assessment, wildlife toxicology and disease, and regulatory science in the U.S., Canada, and Europe. She has conducted site-specific ecological risk assessments in the U.S. and abroad at sites contaminated with metals and organic chemicals; and has investigated causes of wildlife die-offs. She spent 13 years as a research scientist at the U.S. EPA and wrote Agency guidance for human health and ecological risk assessment of metals; she has written similar guidance documents for the California EPA and the British Columbia Ministry of Environment, and contributed to the development of ecologically-based soil standards in the U.S. and Canada. Dr. Fairbrother has published over 100 peer-reviewed articles and book chapters and serves on numerous scientific committees, expert panels, and editorial boards, including the U.S. EPA's science advisory panels for endocrine disruptors and pesticide testing guidelines, committees for the National Academy of Science, and European Research Council review panels. She has served as President of SETAC, The Wildlife Disease Association, and the American Association of Wildlife Veterinarians. Dr. Fairbrother received a Bachelors degree in Wildlife Biology from University of California, Davis, a Doctor of Veterinary Medicine (D.V.M.) from the same university, and a Masters and Ph.D. from University of Wisconsin, Madison.</p> | | |
| Manhattan College United States of America | Dr Kevin | FARLEY |
| <p>Dr. Kevin Farley is a Professor of Civil and Environmental Engineering and the Director of the Institute in Water Pollution Control at Manhattan College in Riverdale, New York. He received his Bachelors degree in Civil Engineering and his Masters degree in Environmental Engineering from Manhattan College, and his Ph.D. in Civil-Environmental Engineering from MIT. His research focuses on water quality modeling, sediment contamination, bioaccumulation of toxic chemicals, and metals. Current research projects include studies on the mobilization of metals from contaminated sediments, on the development of a chemical speciation-transport model for metals in lakes, on the effect of metal mixtures on aquatic toxicity, and on contaminant fate and bioaccumulation modeling of PCBs, dioxin/furans, PAHs, pesticides and mercury in the Hudson River and New York Harbor. Dr. Farley has previously served scientific review panels for the EPA Chesapeake Bay Program, the National Research Council Committee on Remediation of PCB-Contaminated Sediments, the EPA Science Advisory Board panel reviewing the agency's risk assessment framework for metals, and the UNEP International Panel for Sustainable Resource Management Metals Workgroup. He is currently serving as a member of the Ecotoxicity Technical Advisory Panel (ETAP) for the international nonferrous metal industries, and is a technical adviser and consultant on issues related to water quality modeling, sediment contamination and bioaccumulation at several contaminated sediment sites.</p> | | |

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| TRAGSATEC Spain | Ms Patricia | GONZÁLEZ |
| <p>Ms. Patricia González Camarero is employed by Tragsatec, she has been working for 4 years as technical expert in Environmental Risk Assessment of Biocides within the framework of the Directive 98/8/CE for the Spanish Competent Authority (Ministerio de Agricultura, Alimentación y Medio Ambiente). Ms. González received a Bachelors degree in Chemistry and a Bachelors degree in Environmental Sciences from Universidad Autónoma de Madrid.</p> | | |
| U.S. EPA United States of America | Dr Marc S. | GREENBERG |
| <p>Dr. Marc S. Greenberg is an Environmental Scientist and Toxicologist on the U.S. EPA's Environmental Response Team where he supports various clean-up, emergency, and other response actions within the Superfund program. His primary area of focus is the assessment, remediation, and management of contaminated sediment sites, including the development of innovative remediation technologies. His technical experience includes research in both human health and aquatic ecological toxicology with a focus on pharmacokinetics, contaminated sediments, bioavailability, and the role of dynamic environmental conditions on in situ effects. Dr. Greenberg has provided technical advice for the formulation of policy in the fields of contaminated sediments, oil spill response, toxicology, ecological risk assessment, and ground water-to-surface water interactions and their relevance to exposure and risk. He has supported the development of baseline and post-remedial monitoring programs, sediment sampling programs, emergency response plans, performance standards, habitat assessments, and remedial investigations. He continues to conduct field investigations on contaminated sediments at several Superfund sites. Dr. Greenberg serves on numerous U.S. sediment site management teams (e.g., Hudson River PCBs, Grasse River PCBs, Gowanus Canal, Newtown Creek NY; Anniston PCBs, AL; Chevron Mine, NM; Upper Columbia River, WA; Passaic River and Newark Bay, NJ). Nationally at EPA, Dr. Greenberg is a member of the EPA Contaminated Sediments Technical Advisory Group (CSTAG), Risk Assessment Forum Ecological Oversight Committee, and OSRTI Sediments Team. He is the EPA Headquarters Chair of the Agency's Ecological Risk Assessment Forum (ERAF). During the Deepwater Horizon oil spill, he served as an Environmental Unit Leader in EPA's Emergency Operations, and represented the Agency in the Unified Area Command, New Orleans, LA. Internationally, he has advised the Government of Thailand on potential environmental quality issues associated with offshore oil operations, French Ministry of the Environment on issues regarding PCBs in the Rhône River, government officials and researchers in Finland on contaminated sediment management; and provided training in sediment management to environmental officials from Southeast Asian nations. He serves as an Adjunct Assistant Professor at Clemson University, SC, and has served as a Visiting Scientist at the National Oceanic and Atmospheric Administration Great Lakes Environmental Research Laboratory, and an Inhalation Research Toxicologist at the Wright-Patterson Air Force Base Toxicology Laboratory, OH. Dr. Greenberg continues to conduct basic research, and is currently a co-investigator on three collaborative research grants aimed at improving sediment assessment techniques, evaluating the recovery of sediment environments following remediation, and further developing spatially-explicit exposure models in ecological risk assessments. He participated in the standardizing of sediment toxicity testing methods for the U.S. EPA, has co-authored many EPA technical and guidance documents, and has published numerous peer-reviewed research articles. Dr. Greenberg is an active member of the international Society for Environmental Toxicology and Chemistry (SETAC) and he served on its North America Board of Directors (2007-2010) and Editorial Board for the SETAC journals (2010-2012). He obtained a B.A. in Zoology and a M.S. in Aquatic Toxicology from Miami University, Oxford, OH in 1990 and 1993, respectively, and a Ph.D. in Biomedical Sciences from Wright State University, Dayton, OH in 2002.</p> <p>Marc S. Greenberg, Ph.D. Environmental Toxicologist U.S. EPA-OSWER/OSRTI/TIFSD/ERT Office of Solid Waste and Emergency Response/Office of Superfund Remediation and Technology Innovation/Technology Innovation and Field Services Division/Environmental Response Team</p> | | |

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| <p>University of Malta Malta</p> | <p>Ms Ruth</p> | <p>GUILLAUMIER</p> |
| <p>Ruth Guillaumier is an academic/research assistant employed by the Department of Biology at the University of Malta for almost 11 years. Her area of specialisation is water quality and marine ecotoxicology, with particular emphasis on petroleum hydrocarbons and heavy metals in marine sediments and their environmental impacts. She received a Bachelors degree with Honours in Chemistry and Biology, and a Masters degree in Biology, both from the University of Malta. Her postgraduate research focused on characterisation and impacts of wastewater discharges into the marine environment around the Maltese Islands, while other projects involved the assessment of sediment quality in Maltese coastal waters with respect to oil and heavy metals.</p> | | |
| <p>Lonza United Kingdom</p> | <p>Dr Simon</p> | <p>GUTIERREZ</p> |
| <p>1. Professional affiliation: Regulatory Affairs Manager and Scientific Advisor. Lonza 2. Educational training: PhD in Environmental Risk Assessment. Tittle of the dissertation: "Development of new tools for the agro-industrial effluent control. Risk/hazard quantitation". Bachelor's Degree in Environmental Science. 3. Main areas of interest: Ecotoxicology, Environmental Risk Assessment of chemicals and Regulatory issues. 4. Field research experience: Simon carried out monitoring campaigns in of water in sewage treatment plants during his years as pre-doctoral researcher 5. Industry experience: Simon joined Lonza as a Regulatory Affairs Manager and Scientific Advisor taking care of the regulatory issues for the authorisation of biocidal products. As part of his tasks, Simon monitor's ecotoxicity and fate studies, carries out risk assessments and QSAR modelling, prepares dossiers for the products and develops higher tier risk assessments. 6. Policy or regulatory experience: Simon has worked for three years as a Scientific Regulatory Expert for the Ministry of Environment in Spain for the evaluation of biocidal active substances as a Rapporteur Member State under the 98/8/EC Directive. As part of his tasks Simon carried out environmental risk assessments of active substances and products, reviewed and evaluated fate and ecotoxicological studies provided by industry, attendance to scientific and competent authorities meetings at a European level, participated in the working groups for the development of emission scenario documents for biocides, prepared high level technical and scientific documents for the authorities and EU meetings and gave scientific support to the Spanish REACH and CLP Help Desk and to the PPP authorisation team. Prior to that, Simon worked for one year as a Scientific Officer in the National Reference Centre for Persistent Organic Pollutants in Spain taking care of the implementation of the Stockholm Convention.</p> | | |
| <p>Wacker Chemie AG Germany</p> | <p>Dr Michael</p> | <p>HAACK</p> |
| <p>Dr Michael Haack is a regulatory toxicologist employed by the Wacker Chemistry AG for almost 1 year. He received both a Diploma and PhD degree in Biochemistry from the University of Leipzig, Germany. He further studied Toxicology and Environmental Protection at the Medical Faculty of University of Leipzig, Germany. From 2008-2012 he worked as a researcher at the German Institute of Human Nutrition, Potsdam-Rehbrücke, focussing an protective and adverse effects of secondary plant metabolites. Since 2012 Dr Haack works as a regulatory toxicologist being responsible for monitoring toxicological studies and performing exposure and risk assessments under REACH.</p> | | |

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| U.S. EPA United States of America | Dr Kay | HO |
| <p>Dr. Kay Ho is an environmental research scientist employed by the US Environmental Protection Agency for over 20 years. Her current interests are the effects of emerging contaminants including pharmaceuticals, personal care products and nanomaterials on marine systems, with a focus on marine sediments. She is also interested in novel methods on how to determine effects in sediment communities and has spent many muddy hours in the field. She works closely with US Environmental Protection Agency regulators on issues of sediment assessment. Past research includes toxicity test development and toxicity identification and evaluation (TIE) method development for sediments. She is an active member of the Society of Environmental Toxicology and Chemistry and has authored/co-authored over 60 peer-reviewed journal articles and book chapters. Dr. Ho received a B.S. in Environmental Toxicology from the University of California, Davis, a M.S. in Environmental Toxicology from Cornell University and a Ph. D. in Chemical Oceanography from the University of Rhode Island.</p> | | |
| Fed. of Norwegian Industry Norway | Mr Sverre Alhaug | HØSTMARK |
| <p>Mr Sverre Alhaug Høstmark, toxicologist NAVF, is Ass. Director at the Federation of Norwegian Industries, the leading part of the Confederation of Norwegian Enterprise. His field of responsibility is Environmental affairs related to industry and has been so for the last 15 years. His field of involvement reflects The Federation of Norwegian Industries membership, which includes almost 2300 industry companies or sites spread on most industrial sectors including recovery operations and mining activities. He has participated in a number of EU TWGs during the development of REACH, chaired the REACH Issue group at CEPI (the European paper and pulp industry confederation) as well as being involved in a number of European sector organisations – on the environmental side. He also has an active involvement in the development and revision of several BREFs under the European Industry Emissions Directive. At national level he represents the industry in the national water framework reference group. Mr. Høstmark has industrial and commercial experience from Monsanto (chemical industry) and the Peterson Group (Paper and Pulp Industry). Mr Høstmark has a Master in agronomy from the Norwegian University of Life Sciences and 3 years specialization in toxicological risk assessment (Norwegian School of Veterinary Science).</p> | | |
| Environment Agency United Kingdom | Mr Simon | HOY |
| <p>Simon Hoy is regulatory ecotoxicologist and environmental risk assessor currently working with the UK Environment Agency's Chemicals Assessment Unit. He has also worked as an ecotoxicologist with the UK Chemicals Regulation Directorate since 1990. His main expertise is in the areas of pesticide and biocide risk assessment and more recently with general chemicals under REACH. Although dealing with many areas of ecotoxicological hazard and risk assessment (including sediments) Simon's particular interests are in relation to terrestrial invertebrate and soil risk assessment. He is a keen entomologist and Fellow of the Royal Entomological Society. He has been actively involved in a number of working groups and in the development of SETAC and other guidance documents in these fields and he advises on various research programmes and policy issues related to the environmental risk assessment and management of chemicals.</p> | | |
| Office For Registration of Medicinal Products, Medical Devices and Biocidal Products Poland | Dr Sylwester | HUSZAL |
| <p>Dr Sylwester Huszal is Director of Department for Assessment of Biocidal Products Documentation at Office for Registration of Medicinal Products, Medical Devices and Biocidal Products, Polish Competent Authority for Biocides. He works for Polish CA since</p> | | |

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| <p>2007 and is responsible for coordination and supervision over the work of subordinate employees. He regularly represent Poland at meetings of representatives of EU member states and participate in expert meetings concerning assessment of active substances and biocidal products. Dr Huszal received a Masters degree in Chemistry and a PH.D. in analytical chemistry from the Warsaw University.</p> | | |
| <p>Utrecht University The Netherlands</p> | <p>Dr Michiel</p> | <p>JONKER</p> |
| <p>Dr. Michiel T.O. Jonker is an assistant professor at the Institute for Risk Assessment Sciences of the Utrecht University in the Netherlands. Together with Dr. Joop Hermens he is heading the Environmental Toxicology and Chemistry group of this institute. Dr. Jonker's research is mostly directed at exposure assessment for organic chemicals in different environmental matrixes, such as sediments and soils. However, other topics include effects, bioaccumulation, and biomagnification of very hydrophobic chemicals. He has been active in the sorption field for about 15 years and has several highly cited papers on the sorption of organic contaminants to black carbon and oil and sorption/bioavailability of chemicals in sediments. He has developed the POM-SPE passive sampler method that is now widely used to characterize sorption and bioavailability of organic compounds in sediments. He participated in several national and international workshops in this regard and collaborates with industry experts through industry-funded projects. In addition to being an academic, he performs commercial bioavailability measurements of organic chemicals in sediments and soils for environmental consultants and regulators. Dr. Jonker is secretary of the Environmental Chemistry and Toxicology division of the Royal Netherlands Chemical Society. He received a Masters degree in Environmental Sciences and a PhD in Environmental Chemistry at the Wageningen University.</p> | | |
| <p>European Chemicals Agency Finland</p> | <p>Ms Anne-Mari</p> | <p>KARJALAINEN</p> |
| <p>Anne-Mari Karjalainen has been employed as a Junior Scientific Officer at the European Chemicals Agency since 2010. Since 2011 she has been working in the Directorate of Evaluation where she has gained further experience in chemicals risk assessment. At ECHA her work is focused on dossier evaluation activities. Prior to being employed by ECHA she has primarily worked in academia in the UK and in Finland in the fields of environmental sciences and analytical chemistry. In UK she worked at the University of Reading as isotope ratio mass spectrometry technician and at the Open University where she was responsible for the development of new methodologies for the measurement of chromium isotopes in environmental samples. Anne-Mari holds a Master's Degree in Environmental Ecology from University of Helsinki and a Bachelor's Degree in Environmental Sciences from Queen Mary College, University of London. For her Master's thesis she studied ecotoxicity of metals in soil.</p> | | |
| <p>Federal Environment Agency Germany</p> | <p>Dr Anja</p> | <p>KEHRER</p> |
| <p>Anja Kehrer works as Research Associate within the field of the environmental risk assessment of biocides at the German Federal Environment Agency (UBA) since 2008. She studied Biology at the University of Hannover and the Dresden University of Technology. During both her diploma- and PhD-thesis she focused on ecotoxicology and investigated mixtures of chemicals using the embryotest with zebrafish <i>Danio rerio</i> (DaT, FET) at the working group of Prof. Roland Nagel. At the UBA she is responsible for the environmental risk assessment of biocidal active substances and products in the context of the directive 98/8/EC concerning the placing of biocidal products on the market as well as for the environmental risk assessment of biocidal active substances used to treat ballast water. Particular topics of interest are endocrine disrupting chemicals and the assessment of complex chemical mixtures as well as PBT-substances.</p> | | |

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| European Chemicals Agency Finland | Dr Derek | KNIGHT |
| <p>Dr Derek J Knight, who is British, has worked at the European Chemicals Agency (ECHA) since September 2008. As the Senior Scientific Advisor, he is responsible for providing the Executive Director and the Director of Regulatory Affairs with expert scientific and technical advice on matters relating to chemical regulation, with the focus on the EU REACH, CLP and Biocides Regulations and the operations of ECHA. Previously he headed a team of regulatory affairs professionals at a UK contract research organisation for almost 18 years, covering a wide range of regulatory schemes worldwide. He has also registered medicinal products and worked as a Technical Support Chemist. He has a broad understanding of the regulation of chemicals and is especially interested in approaches to hazard and risk assessment using non-standard data. He is an external expert member of the Scientific Expert Panel of the SEURAT-1 research initiative 'Towards the replacement of in vitro repeated dose systemic toxicity testing'. He is a Fellow of the Royal Society of Chemistry and Chartered Chemist, a Chartered Scientist and a Fellow of the Organisation of Professionals in Regulatory Affairs. His doctoral studies at the University of Oxford in the UK were in organosulphur chemistry.</p> | | |
| Wageningen University The Netherlands | Prof Albert A. | KOELMANS |
| <p>Dr. Bart Koelmans is a professor of Sediment- and Water Quality employed by the Aquatic Ecology and Water Quality Group at Wageningen University (NL). Over the past 25 years, his research focused on the role of sediment in aquatic ecosystems, including sediment risk assessment and remediation. Other topics include fate and effects of nanomaterials and marine plastics. He participated in several review committees and workshops both on a national level and on an international level. He currently chairs the SETAC Nanotechnology Advisory group and is an editor of the SETAC journal Environmental Toxicology and Chemistry. He wrote over 100 papers of which most are related to sediment risk assessment. Through his research he interacts with regulators and industry experts so as to better focus his research to their needs. Dr. Koelmans received a Masters degree in Environmental Chemistry from the University of Utrecht (NL) and a Ph.D in agricultural and environmental sciences from Wageningen University.</p> | | |
| NeoEnbiz Co South Korea /Republic of Korea | Dr Jong-Hyeon | LEE |
| <p>Dr. Jong-Hyeon Lee is a researcher as technical director employed by NeoEnBiz Co in Korea for almost 10 years. His current research focuses on water and sediment quality guidelines and environmental quality assessment in freshwater and marine environments, however, other research topics included such as the tissue residue approach and the development of toxicokinetic and toxicodynamic model for organic toxicants with different mode of action, and mixture toxicity with and without toxicokinetic interaction. He is conducting two projects for the development of freshwater and marine sediment quality guidelines funded by Korean government. He is an active member of the Korean Society of Environmental Health and Toxicology, and Society of Environment Toxicology and Chemistry and contributed to the writing of 20 papers, 6 of which are related to sediment risk assessment. Dr. Lee received a Bachelors degree in Oceanography, a Masters degree in Environmental Health, and a Ph.D in Environmental Toxicology from Seoul National University in Korea. He also studied as a NRC sponsored postdoctor in Great Lakes Environmental Research Laboratory in NOAA and University of Michigan.</p> | | |
| Finnish Environment Institute Finland | Dr Matti | LEPPÄNEN |
| <p>Dr. Matti Leppänen gained his PhD in Biology at the University of Joensuu, Finland 1999 dealing with the bioavailability issues of sediment associated organic contaminants. He spend 1,5 years as a post doc in Wright State University, OH to get experience on in situ exposures and to learn more on the role of desorption in contaminant bioavailability. He</p> | | |

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| <p>continued studies in the University of Joensuu/Eastern Finland concentrating on passive sampler applications in sediment and water in order to get access to freely dissolved concentrations and to understand partitioning and fate of organics from source to top predators. His PhD students have also studied trophic transfer of pyrene biotransformation products and modeled food web transfer of PCBs. He has authored 40 papers and had several teaching roles in university including professor in ecotoxicology. He moved to work in Finnish Environment Institute at 2012 where his agenda includes e.g. biotests, BLM models and use of passive samplers in monitoring work.</p> | | |
| <p>The University of Hong Kong China</p> | <p>Dr Kenneth Mei Yee</p> | <p>LEUNG</p> |
| <p>Dr. Kenneth M. Y. Leung is Associate Professor, at the Swire Institute of Marine Science and School of Biological Sciences, in the University of Hong Kong, Hong Kong, China. Dr. Leung obtained a BSc degree in Applied Environmental Sciences with first class honours at University of Portsmouth, UK in 1993, and accomplished his MPhil study in Environmental Science at City University of Hong Kong, Hong Kong in 1996. As a recipient of the Swire's James Henry Scott PhD Scholarship, he undertook a doctoral study at University of Glasgow in Scotland and obtained his PhD in marine ecotoxicology in 2000. He was subsequently awarded The Croucher Foundation Fellowship, enabling him to conduct his postdoctoral study in ecological risk assessment (ERA) of antifouling biocides at Royal Holloway, University of London, UK (2000-2001). During 2010-2012, Dr. Leung was the Elected President of the Society of Environmental Toxicology and Chemistry (SETAC) Asia-Pacific Geographic Unit. He is an aquatic ecotoxicologist with sound knowledge in aquatic ecology, biostatistics and ERA. Since 1999, he has written or co-authored over 100 peer-reviewed articles which are principally related to the ecology, pollution, eco-toxicology and ERA in both marine and freshwater ecosystems. His current research projects include the derivation of water and sediment quality guidelines of chemical contaminants for protecting aquatic ecosystems, and development of statistical methods/models for predicting environmental risks of these chemicals. Since 2010, he has been assisting the Hong Kong SAR Government to review the marine water quality objectives for various physical and chemical parameters. In December 2011, Dr. Leung organised and chaired the first "International Conference on Deriving Environmental Quality Standards for the Protection of Aquatic Ecosystems (EQSPA - 2011)" with over 150 participants from 14 different countries. As the Chief Editor, he is producing a special issue entitled "Environmental Benchmarks for Protecting Aquatic Ecosystems" which will consist of 20 high quality papers related to the scientific derivation of water, sediment and tissue quality benchmarks, and their applications in ERA and management. This special issue will be published online in the journal Environmental Science and Pollution Research in this year. Dr. Leung is also a subject editor for the SETAC journal Integrated Environmental Assessment and Management, and serves as an editorial board member for Environmental Science and Pollution Research, Marine Pollution Bulletin, Integrative Zoology, Canadian Journal of Zoology, Ocean Science Journal, and Toxicology and Environmental Health Science. Over the past, he was invited by the Food and Agriculture Organisation to develop a manual for assessing ecological risks of aquaculture practices, and frequently invited by the United Nations (UNDP/PEMSEA) to give lectures on ERA related topics in regional training workshops. Owing to his professional achievements and community services, Dr. Leung was selected as one of the "Ten Outstanding Young Persons" for Hong Kong by Junior Chamber International in 2010.</p> | | |
| <p>U.S. EPA United States of America</p> | <p>Dr Laurence</p> | <p>LIBELO</p> |
| <p>E. Laurence Libelo is a senior scientist with the U.S. EPA Office of Chemical Safety and Pollution Prevention. His main areas of interest are environmental fate and transport for new and existing chemicals, exposure and risk assessment, and providing scientific support for chemical policy and regulation. He has worked on pesticides and industrial chemicals, nanomaterials and other emerging chemicals of concern. Dr. Libelo earned his Ph.D. at the College of William and Mary in Marine Science studying the physical and chemical processes which control movement of chemicals between groundwater and surface water. He holds a B.S. in Geology and M. S. Environmental Science and Engineering, and has additional experience with the U.S. Air Force Research Laboratory, U.S. Geological Survey and as a consultant in groundwater remediation, geochemistry and</p> | | |

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| interactions between crystalline materials and microwave radiation. | | |
| Tukes Finland | Ms Susan | LONDESBOROUGH |
| <p>Susan Londesborough is employed by the Finnish Safety and Chemicals Agency - the Finnish CA for REACH and CLP regulations (TUKES). She works with the implementation of the REACH regulation, especially with substance evaluation and PBT/vPvB assessment. Prior to becoming employed by Tukes she worked at the Finnish Meteorological Institute as an analytical chemist and at the Finnish Environmental Institute where her main working area related to the implementation of the Water Framework Directive, environmental quality standards and environmental monitoring issues. She has been working with regulatory chemicals risk assessment and management issues for over 10 years. Susan Londesborough received a Masters degree in Analytical Chemistry from the Helsinki University, Faculty of Natural Sciences and a Bachelors degree in Limnology from the University of Helsinki, Faculty of Agriculture and Forestry. For her Masters degree she worked at the Umweltsforschungs Zentrum (UFZ) in Leipzig, Germany on metal speciation and soil extraction methods.</p> | | |
| Aarhus University Denmark | Prof Philipp | MAYER |
| <p>Philipp Mayer is professor in environmental chemistry at Aarhus University and affiliated professor at Copenhagen University, both Denmark. He has been Senior Scientist at the National Environmental Research Institute (DK) and study director at the Netherlands Organization for Applied Scientific Research (TNO, NL). He received his M.Sc. degree from the Technical University of Denmark (DK) and the University of Wisconsin in Milwaukee (US), and received his doctoral degree in 2000 at the Research Institute of Toxicology, Utrecht University (NL). Prof. Mayer has a research focus on partitioning based analytical technology and the fate, exposure and effects of organic contaminants in the environment. He has for instance introduced the first "equilibrium sampling methods" for measuring freely dissolved concentrations of hydrophobic organic chemicals in sediments, and "passive dosing" as a new experimental platform for environmental toxicity research and testing of hydrophobic organic chemicals. Philipp Mayer has supervised more than 40 environmental toxicity studies (GLP) and served as convenor for the ISO working group "toxicity to aquatic plants" (TC147/SC5/WG5). He has authored >100 publications of which 84 are in international refereed scientific journals, and he became recently member of the Danish Council for Independent Research in Technology and Production Sciences (FTP).</p> | | |
| NOAA United States of America | Dr James | MEADOR |
| <p>Dr. James Meador is an environmental toxicologist with the National Marine Fisheries Service in Seattle, WA, USA, which is part of the National Oceanic and Atmospheric Administration. Jim has a Ph.D. in aquatic toxicology from the University of Washington and has more than 30 years' experience in the field. For many years he studied the environmental factors that control contaminant bioavailability and bioaccumulation, including the role of toxicokinetics in predicting bioaccumulation. He has also examined the use of tissue-residue toxicity metrics and their utility for toxicity assessment, monitoring, and environmental quality guidelines. Dr. Meador organized and chaired a SETAC Pelston workshop (Society of Environmental Toxicology and Chemistry) in 2007 to review the tissue residue approach for toxicity assessment. Over the last several years Dr. Meador has studied the effects of metabolic disruptors on aquatic species. His limited policy and regulatory experience comes from his work on U.S.EPA Superfund sites, Endangered Species consultations, and Natural Resource Damage Assessments. Jim is also an editor for the SETAC journal Integrated Environmental Assessment and Management.</p> | | |

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| International Zinc Association Belgium | Dr Marlies | MESSIAEN |
| <p>Dr Marlies Messiaen works as an Assistant Environment for the International Zinc Association for two years. She works on the Environmental Risk Assessment of several REACH dossiers that IZA has submitted. Next to her REACH work, the focus of her work is to follow-up the Water Framework Directive. She also participates in the CMEP meetings of the EC. Through her work for the WFD she interacts with regulators of several Member States. Dr. Messiaen received a Master degree in Biology and Environmental Sanitation and a Ph.D. in Environmental Toxicology of the University of Ghent.</p> | | |
| INIA Spain | Dr Laura | NÚÑEZ |
| <p>Dr Laura Núñez is a scientific assistant employed by the National Institute of Research and Technology Agricultural and Food (INIA). Her current work focuses on advising to the Spanish representative of the Risk Assessment Committee of the European Chemicals Agency in proposals for harmonised environmental classification and labelling under CLP regulation as well as participation in the elaboration of opinions and review of documents discussed by the Risk Assessment Committee such as restrictions of substances with negatives effects for the health or environment. She has experience in environmental risk assessment for biocides, elaborating the Environmental part of the Spanish Competent Authority Reports for Chemicals with Biocide activity using programs such as EUSES 2.1, FOCUS (PEARL 3.3.3; FOCUS SW) and EPIWEB 4.1. Dr. Núñez received a Bachelor's degree in Chemistry from the Complutense University and a Ph.D in analytical chemistry from the Complutense University. She is the author of scientific articles and she has participated in several congresses.</p> | | |
| Institute for Environmental Protection and Research Italy | Dr Renata | PACIFICO |
| <p>Dr. Renata Pacifico is a researcher employed in the "hazardous substances" Unit of the Italian Institute for Environmental Protection and Research. She is involved in the Italian activities of the Competent Authority for the implementation of European Regulations REACH and CLP, concerning the environmental risk assessment of chemicals and the participation to national groups on specific tasks. She gained her PhD in Environmental Risk Assessment and Mitigation at "FEDERICO II" University of Naples in 2006. Her competences were addressed in the development, optimization and validation of analytical methods for the determination of trace metals in environmental matrices and industrial wastes and their determination by spectroscopic techniques (ICP-OES, ICP-MS). Her research activities were in the field of the study of trace-metals mobility/bioavailability and contaminated sites characterization/remediation. In particular, she was involved in several campaigns of sediment and soil characterization for the evaluation of the geochemical background and in the study of innovative sequential extraction procedures and kinetic approaches for metal partitioning in environmental solid samples. She has published eight scientific papers and she prepared posters and communications at national and international conferences. Reviewer for International Journal.</p> | | |
| Institute for Environmental Protection and Research Italy | Dr Pietro | PARIS |
| <p>Pietro Paris is a senior researcher employed by the Italian national Institute for environment protection and research, he is head of Dangerous Substances unit, Graduated in engineering at the Bologna university, his Area of expertise is Regulatory environmental risk assessment for industrial chemicals and pesticides. He is involved in REACH and CLP tasks e in the coordination of National monitoring plan for pesticides in water. Member of National engineering body. Member of national commission of plant protection products. Member of national commission of biocidal products. Member of risk</p> | | |

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| assessment committee of ECHA since 2010. | | |
| RIVM The Netherlands | Dr Willie | PEIJNENBURG |
| <p>Dr. Willie Peijnenburg is a senior scientific researcher at the Center for Safety of Substances and Product of the National Institute of Public Health and the Environment (RIVM – Bilthoven, The Netherlands) for over 20 years. Thereupon he is Professor at the Extraordinary chair “Environmental Toxicology and Biodiversity” at the Center for Environmental Sciences of the University of Leiden. Current research interests deal with the interactions of ecology and chemistry and specifically focus on modelling the environmental fate and effects of manufactured nanomaterials, metals and emerging organic compounds. Emphasis is put on the application of newly developed models and conceptual insights in risk assessment procedures that are fit for use. He is/was editor and editor-in-chief of several scientific journals, participated in several national and international review committees, was involved as an expert in risk assessments and development of risk assessment methodologies within the framework of the EU-risk assessment of existing chemicals. Thereupon he coordinated several projects within the EU-Research Frameworks V and VI, as well as various multi-disciplinary projects commissioned by the Dutch Ministry for the Environment and projects commissioned by international organizations like NATO, EEA and OECD. He is currently the secretary of the IUPAC Division on Chemistry and the Environment and chairman of the Section on Environmental Toxicology and Environmental Chemistry of the Dutch Royal Chemical Society and the Dutch Society on Toxicology. He is an active member of SETAC, editor of the SETAC journal Environmental Toxicology and Chemistry, and published over 120 research papers in peer reviewed journals, eight of which are related to sediment research. Dr. Peijnenburg received a Ph.D. from the Technical University of Eindhoven in The Netherlands.</p> | | |
| European Chemicals Agency Finland | Dr Francesca | PELLIZZATO |
| <p>Francesca Pellizzato works since 2009 as an ecotoxicologist at the Directorate of Evaluation at the European Chemicals Agency (ECHA) where she gained experience in chemicals risk assessment. Prior to joining ECHA, she has worked at the Marine Scotland Laboratory in the monitoring of organic pollutants in the Scottish coasts by using passive samplers devices. Prior to that she worked at the EU-JRC-IRMM for the development of analytical methods for the determination of organics pollutants in sediments. She holds a master degree and a PhD in Environmental Sciences from the University of Venice. The focus of her research was monitoring of organic pollutants and heavy metals in the sediment of the Lagoon of Venice and the evaluation of endocrine disruptor effects in molluscs. She is author of several publications in peer review journals.</p> | | |
| IRSA-CNR Italy | Dr Stefano | POLESELLO |
| <p>Stefano Polesello is a senior scientist at Water Research Institute of the Italian National Research Council (CNR-IRSA) which he joined as an associate researcher in 1996. He received his Ph.D. in Analytical Chemistry from the University of Milano in 1994, discussing a thesis about in situ spectroscopic studies of atmospheric reactions. His main interests are the development and validation of chromatographic methods, particularly LC-MS, for water analysis; fate and effects of priority and emerging pollutants (e.g. alkylphenols and perfluorinated compounds) in internal and coastal waters. He also coordinated expert groups for the development of Italian official analytical methods for water and was the Italian delegate in the Expert Groups on Analysis and Monitoring of Priority Substances (AMPS), Chemical Monitoring Activity (CMA) and Chemical Monitoring and Emerging Pollutants (CMEP) for the Common Implementation Strategy of Water Framework Directive (Directive 2000/60/EC). In this framework he coordinated the drafting of the CIS Guidance n.25 on sediment and biota monitoring and was invited editor of a special issue on Chemical Monitoring Activity published in TRAC, Trends in Analytical Chemistry in 2012. He published more than 60 research and review papers on ISI peer-reviewed journals devoted to analytical and environmental chemistry. Since many years he has been carrying out a continuative peer-reviewing activity for some international journals, such as</p> | | |

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| e.g. Food Chemistry, Journal of Chromatography, Analytical and Bioanalytical Chemistry, Trends in Analytical Chemistry, Environmental Science and Technology. | | |
| German Federal Institute of Hydrology Germany | Dr Georg | REIFFERSCHIED |
| <p>Dr. Georg Reifferscheid is head of the department for biochemistry and ecotoxicology at the German Federal Institute of Hydrology. The department is in charge of environmental risk assessment of sediments and dredged material from German inland waterways and coastal water. Further tasks are the assessment of the ecotoxicological potential of construction products, effect directed analysis, bioaccumulation, pathogens in water under the influence of climate change, and development and standardisation of biological test procedures as a basis for integration into water regulations. Dr. Reifferscheid is lecturer for Ecotoxicology at the University of Koblenz, Germany. Since 2009 he is chairman of ISO TC 147 Water Quality SC 5 Biological methods, convenor of the ISO working group Genotoxicity and DIN working group Hormonal effects/Xenohormones. In this function he interacts with academic experts, regulators, and industry experts on the development, validation and (inter)national standardization of test procedures. He contributed to the writing of more than 60 papers, most of them related to mechanism-specific toxicity in (waste) water and sediments. Dr. Reifferscheid received a diploma degree in Biology and a PhD in Genetic Toxicology from the University of Mainz.</p> | | |
| European Chemicals Agency Finland | Dr Virginia | RODRIGUEZ UNAMUNO |
| <p>Virginia Rodriguez Unamuno obtained her PhD in Applied Biological Sciences at Ghent University (Belgium), studying the bioavailability of trace metals in soil and natural waters. In 2009 she joined the Biocides group of the Joint Research Centre (JRC, European Commission), where her main responsibilities included environmental exposure assessment and the revision of emission scenario documents. Previously she has worked as a risk assessor of biocides for the Spanish competent authority at INIA (Instituto Nacional de Investigacion y Tecnologia Agraria y Alimentaria) and the Spanish Ministry of Environment. Since January 2013 she is part of the Biocides unit in the European Chemicals Agency (ECHA).</p> | | |
| European Chemicals Agency Finland | Dr Monica | SAEZ RIBAS |
| <p>Dr Mónica Sáez Ribas is a Junior Scientific Officer at the Biocides Unit at ECHA (European Chemicals Agency). Her current work, almost 3 years, is mostly administrative. In the near future she will perform more scientific task (environmental effect assessment) as a dossier manager within the Biocides, but she has no industry, policy, neither regulatory experience. This together with few experience with sediment, are the reasons of her interest in this workshop. Prior to becoming a scientific officer she worked as a scientific researcher for 12 years at the Spanish Research Council (CSIC) and at Amsterdam and Cadiz Universities. Her research focused on the environmental distribution (mostly in water and organisms) of organic compounds: POPs, PBTs, perfluorinated and synthetic surfactants. She has been a member of the SETAC (Society of Environmental Toxicology and Chemistry), SECyTA (Spanish Society of Chromatography and Related Techniques) and SENSE School (Research School for Socio-Economic and Natural Sciences of the Environment, join of 12 Dutch environmental research institutes and universities). Dr. Sáez Ribas received a Bachelor's degree in Marine Sciences, a Master's degree in Marine Chemistry and a PhD in Marine Chemistry from the University of Cadiz (Spain).</p> | | |

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| Research Institute for Fragrance Materials United States of America | Dr Dan | SALVITO |
| <p>Dr. Daniel Salvito is the Vice President, Environmental Sciences at the Research Institute for Fragrance Materials. In this capacity he is responsible for overseeing the planning, development and implementation of the environmental program at RIFM. He joined RIFM in 1999. Dr. Salvito holds a Bachelor of Science degree in chemistry from Adelphi University and a Masters of Science degree in chemistry from the State University of New York at Stony Brook. He completed his Ph.D. in environmental science from Rutgers University. Dr. Salvito is a member of the American Chemical Society and the Society of Environmental Toxicology and Chemistry. He presently serves on ECETOC's Scientific Committee. His current research interests include the aquatic and terrestrial fate of organic chemicals. He has authored over 20 scientific publications and presentations.</p> | | |
| U.S. EPA United States of America | Mr Keith | SAPPINGTON |
| <p>Mr. Keith Sappington has over 25 years of experience conducting applied environmental research and analyses in support of human and ecological risk assessments and water quality criteria development. At the U.S. Environmental Protection Agency (USEPA), Mr. Sappington serves as a Senior Science Advisor in the Office of Pesticide Programs (OPP) where he conducts and develops guidance for assessing ecological risk of pesticides. His areas of expertise include aquatic toxicology, bioaccumulation modeling and assessment, metals risk assessment, risk assessment of pesticides and insect pollinators, and risk assessment of contaminated sediments. Mr. Sappington also served in USEPA's Office of Research and Development and the Office of Water where he managed ecotoxicological research related to methyl mercury and contaminated sediments, developed guidance for assessing metals bioaccumulation by aquatic organisms, revisions to selenium aquatic life criteria, and development of aquatic life and human health water quality criteria guidelines. Prior to his employment by the USEPA, Mr. Sappington served as a Senior Analyst at Abt Associates, Inc., where he conducted risk assessments and related analyses to support various EPA guidance and regulatory initiatives. Mr. Sappington also worked as an environmental scientist for the State of Maryland Department of Environment where he supported whole effluent toxicity testing program for municipal waste water treatment plants. In addition to his regulatory and consulting experience, Mr. Sappington conducted four years of applied laboratory and field ecotoxicological research at Virginia Tech and the University of North Texas. Mr. Sappington holds a M.S. degree in Zoology and a B.S. degree in Biology from Virginia Tech. He has authored numerous book chapters, peer reviewed articles, and government reports related to ecological risk assessment and presented his work at various national and international workshops and scientific peer review meetings.</p> | | |
| NIPERA United States of America | Mr Christian | SCHLEKAT |
| <p>Christian (Chris) Schlekat is an environmental toxicologist with experience in sediment toxicology, aquatic toxicology, dietborne metals exposure, biogeochemistry, and the incorporation of bioavailability into risk assessment frameworks. Chris obtained a B.A. in biology from Case Western Reserve University (Cleveland, OH), and an M.S. in marine biology/biochemistry from the University of Delaware (Lewes, DE). After developing and standardizing sediment toxicity test methods for the State of Maryland's Department of the Environment and a contractor of the US Environmental Protection Agency, Chris returned to obtain his Ph.D. in environmental toxicology from the University of South Carolina (Columbia, SC). Chris then held a National Research Council post-doctoral fellowship with the US Geological Survey (Menlo Park, CA).</p> <p>Chris served as the Manager of Environmental and Health Sciences for Rio Tinto Borax (Valencia, CA) before joining the Nickel Producers Environmental Research Association in 2003, when he was hired as the Manager of NiPERA's Environment Programs. Since then, Chris has managed research focusing on the fate and effect of nickel in the environment,</p> | | |

and has represented NiPERA in global regulatory processes, including the EU Existing Substances Risk Assessment of Ni, REACH, and the Water Framework Directive.

Chris has been an active member of Society of Environmental Toxicology and Chemistry (SETAC) since 1990, serving as Chairman of the Technical Committee from 2002 to 2006, and serving on the editorial board of the SETAC journal Environmental Toxicology and Chemistry since 2009. Chris has participated in several global SETAC technical workshops that have addressed environmental hazard classification of metals, dietborne metals exposure, and setting quality standards for metals in soils. Chris is also a diplomat of the American Board of Toxicology since 2009.

University of Guelph
Canada

Prof Paul

SIBLEY

Paul Sibley is a Professor in the School of Environmental Sciences at the University of Guelph. Paul received his B.Sc. (Marine Biology; 1985) and M.Sc. (Environmental Biology 1989) from the University of Guelph and Ph.D. (Biology; 1994) from the University of Waterloo. Paul's research interests focus on issues of water quality and its management including invertebrate and sediment toxicological assessments of novel, priority, and/or emerging compounds, the use of aquatic invertebrates as indicators of ecosystem health, assessment of ecosystem-level responses to contaminants using model aquatic ecosystems, lab-to-field extrapolation, development of risk assessment methodologies and understanding of risk perception. He has published 95 peer-reviewed papers and book chapters. He served as president of the North America Geographical Unit of the Society of Environmental Toxicology and Chemistry (2007-2008) and has served on various Science Advisory Panels for the review of international government programs.

CSIRO Land and Water
Australia

Dr Stuart

SIMPSON

Dr Stuart Simpson is a Senior Principal Research Scientist at the Centre for Environmental Contaminants Research, CSIRO Land and Water, in Sydney, Australia. He has more than 17 years research experience in water and sediment quality assessments and was the lead author on the Australian 'Handbook for Sediment Quality Assessment'. In 2006, Stuart was joint winner of the Land & Water Australia Eureka Prize for Water Research, and the CSIRO Medal for Research Achievement, both for research advancing the assessment and regulation of contaminants in aquatic sediments. His main research interests involve the development of cause-effect relationships between contaminants and biological/ecological effects and the development and application of sediment quality guidelines and assessment tools. In addition he has a broad interest in the analytical and environmental chemistry of contaminants in aquatic environments, in particular, the reactivity of metal pollutants and processes controlling metal speciation and bioavailability in both surface waters and sediments. Recently, he has been actively involved in the review and revision of Australia's National Assessment Guidelines for Dredging and sediment quality guidelines. He is an active member of the Society of Environmental Toxicology and Chemistry (SETAC) and current chair of SETAC Sediment Advisory Group. Dr Stuart Simpson has undertaken a wide range of consultancy projects to industry and provision of advice to government regulators relating to potential contaminant impacts from industries. He is the author of >65 peer-reviewed research papers, three book chapters and >85 scientific research reports on water and sediment quality assessment issues. Dr. Simpson received Bachelors of Science (Honours 1) and PhD degrees in Chemistry from the University of Canterbury, New Zealand, in 1993 and 1996.

**Masaryk University and
Deltares**
Czech Republic and The
Netherlands

Mr Foppe

SMEDES

Foppe Smedes is a senior researcher/advisor at Deltares, Utrecht, The Netherlands and RECETOX, Masaryk University, Brno, Czech Republic. His basis is analytical chemistry that working 8 years at the university of Amsterdam, The Netherlands, and used this analytical basis for the last 30 years to develop environmental measurement techniques that give

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| <p>meaningful results for application in fate studies, monitoring and assessment. Foppe was active in ICES and OSPAR assisting in translation of analytical data to a form that allow assessing quality and spatial and time trends. The topic of his research in the last decade is on passive sampling for surface waters as well as sediment, solving several calibration issues that impeded the proper application of passive sampling. He is very active in introducing and implementing passive sampling techniques for monitoring (ICES, OSPAR, NORMAN) but also for studying transport and sorption behavior and as a-biotic measure for exposure of biota. In cooperation with ecotoxicologists passive sampling is linked to quality assessments.</p> | | |
| <p>AstraZeneca, Environmental Laboratory United Kingdom</p> | <p>Brixham Ms Kathleen</p> | <p>STEWART</p> |
| <p>Kathleen Stewart is a research ecotoxicologist working at Brixham Environmental Laboratory, AstraZeneca, with almost 25 years of experience. She graduated from the University of Plymouth, with a BSc (Hons) Biology in 1988. Her current research focuses on the Ecotoxicology of Ionisable Substances in the Benthic Zone. Her other topics include a research project on the Terrestrial Environmental Risk Assessment of Pharmaceuticals and a foresight role on the Environmental Effects of Nanomaterials. Since 2006, she has worked as a UK expert, with British Standards, developing international standards (ISO) for the ecotoxicological assessment of water quality.</p> | | |
| <p>European Chemicals Agency Finland</p> | <p>Dr Jose V.</p> | <p>TARAZONA</p> |
| <p>Dr Jose V. Tarazona is Scientific Chair at ECHA's Evaluation Directorate. Doctor in Veterinary Medicine with a PhD in Toxicology, he started his professional career as Assistance Professor of Toxicology at the Veterinary Faculty of Madrid and got a permanent research position at the Spanish National Institute for Agriculture and Food Research and Technology (INIA), serving as Head of the Division of Environmental Toxicology and later as Director of the Department of the Environment. His main field of expertise is ecotoxicology and environmental risk assessment, and has participated in over 30 research projects in this area at the national and European levels, mostly as project coordinator or team-leader. Is co-author of over 250 scientific papers including 18 books/monographs, covering the development of new (eco)toxicity tests for aquatic and terrestrial organisms; use and validation of biomarkers, bioassays and other biological alternatives for field monitoring; combination of toxicity thresholds and exposure levels using mathematical models,...., and the scientific basis of hazard identification and risk assessment of industrial chemicals, pesticides, pharmaceuticals and complex mixtures. Involved in the scientific advisory board of the European Union since 1992; was member of the CSTE, second vice-chair of the Scientific Committee on Toxicity, Ecotoxicity and the Environment (CSTEE), chair of the Working Group on Environmental Risks at the Task Force for the Harmonization of Risk Assessment Procedures of the Scientific Steering Committee, and vice-chair of the Scientific Committee on Health and Environmental Risks (SCHER). He has been external expert-consultant for different European bodies including the European Commission, EFSA, EMEA and EEA, as well as for the OECD, WHO and UN, chairing the OECD Expert Group on Chronic Aquatic Hazards and the OECD and UN Expert Groups on Terrestrial Hazards within the GHS strategy. He was also member of the UNEP POPs Review Committee under the Stockholm Convention. In 2007 he was appointed member of ECHA's Committee for Risk Assessment (RAC) and in August 2009 moved to the European Chemicals Agency as RAC Chair.</p> | | |
| <p>Environment Canada Canada</p> | <p>Dr Lisa</p> | <p>TAYLOR</p> |
| <p>Dr. Lisa Taylor plans, organizes and manages a unit dedicated to pollution measurement methodology, their application and use in Federal regulations. She received her Honours Bachelor's degree from the University of Guelph in 1993 specializing in a new area at the time, Environmental Protection. After working in the environmental consulting field as a toxicologist for 5 years, she returned to her studies and earned a Ph.D. from McMaster University in 2003 that examined the physiological effects of waterborne metals in freshwater fish. In 2005, Dr. Taylor moved to Ottawa to assume her current position with</p> | | |

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| <p>the federal government at Environment Canada. In this role, she often provides scientific advice and recommendations for Departmental program officers and managers related to policy developments and technical advancements in Canada. She is an active member of the Society of Environmental Toxicology and Chemistry (North America and Laurentian Chapter) and the Sediment Advisory Group, which has involved co-chairing sediment and soil related sessions for the past five years. For information on Environment Canada's Biological Test Method series please contact Dr. Taylor at lisa.taylor@ec.gc.ca.</p> | | |
| <p>Ministry of Infrastructure and the Environment -Rijkswaterstaat The Netherlands</p> | <p>Dr Dorien</p> | <p>TEN HULSCHER</p> |
| <p>Dr. Dorien ten Hulscher is a water quality advisor at Rijkswaterstaat, part of the Ministry of Infrastructure and the Environment. Her current focus is on the revision of the national implementation of the monitoring and assessment program for the Water Framework Directive. She actively participated in the WFD expert group that assisted the European Commission in the selection of the new priority substances. She also participated in the group that redrafted the Guidance for derivation of Environmental Quality Standards. For the international Rhine Commission she participated in an expert group drafting a sediment management plan, and an expert group that derived water quality standards for rhine relevant substances. She received a PhD in chemistry from the University of Amsterdam for research on the bioavailability of organic contaminants in sediments. She is an environmental chemist by training.</p> | | |
| <p>University of Novi Sad Faculty of Sciences Serbia</p> | <p>Prof Ivana</p> | <p>TEODOROVIC</p> |
| <p>Dr Ivana Teodorovic is working at University of Novi Sad, Serbia (Faculty of Sciences, Laboratory for Ecotoxicology www.lecotox.net) since 2003, currently at the position of associated professor of environmental sciences. Dr Teodorovic is trained as biologist and holds PhD in Environmental Engineering. Her research focus is ecotoxicology - mainly aquatic toxicology. From 2005 till 2010 she was the president, since 2010 vice –president of IAD (International Association for Danube Research - www.iad.gs), the oldest professional association (founded in 1956) in the field of aquatic ecology and water management in the Danube River Basin, with observer status in ICPDR. She is also a vice president of SETAC (Society of Environmental Toxicology and Chemistry) Central European Branch, a member of SedNet Steering Group (European Sediment Network) and an editor of IWA journal Water Science and Technology. Since 2010 is a member of Serbian expert council for plant protection product authorization (at Ministry of Agriculture) and till 2012 for biocidal products (Serbia Chemical Agency). Dr Teodorovic is a technical expert in Accreditation Body of Serbia.</p> | | |
| <p>CEHTRA France</p> | <p>Dr Paul</p> | <p>THOMAS</p> |
| <p>Dr Paul Thomas is a Senior Ecotoxicologist and Director of the largest environment and human health consultancy in France, CEHTRA. He has a BSc in marine zoology from Bangor University and a Ph.D in sediment ecotoxicology from University of Cardiff and over 20 years of regulatory ecotoxicology and risk assessment experience. He opened and ran the ecotoxicity service at a French CRO, the Centre International de Toxicologie prior to working as ecotoxicologist and risk assessor at Atofina (now Arkema) and then continued gaining regulatory experience moving to AkzoNobel in the Netherlands as head of the environment and toxicology department where his research interests included sediment toxicity of cationic surfactants (notably on <i>C. elegans</i> and <i>Lumbriculus</i>) and he has published in this area. At this time he was coauthor of the original REACH RIP on aquatic endpoints and sediment toxicity. His research interests are now focussing on the production of high accuracy QSARs and ecotoxicological modelling of mixtures as an alternative to experimental testing with a publication in this area (from an ECETOC task force on activities) shortly to go to press.</p> | | |

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| Danish EPA Denmark | Mr Henrik | TYLE |
| <p>Henrik Tyle (M. SC Biology University of Copenhagen, 1980) is senior scientific advisor ("Chief Advisor") to the Danish EPA, Dept. of Chemicals, where he has been employed for more than 30 years.</p> <p>He has extensive experience related to the OECD Chemicals Programme and the EU legislation on chemicals, including the development of the new regulations (REACH & CLP).</p> <p>He has participated in development of numerous scientific criteria, concepts, procedures, guidance documents, test guidelines & non-testing tools / models (including (Q)SARs) related to hazard and risk evaluation of chemicals in the context of EU, OECD and UN, e.g. UN POPs and EU PBT criteria, EU TGD for risk assessment of new & existing chemicals & biocides, various REACH Guidance Documents – in particular in several Endpoint Specific Guidance Documents (concerning use of (Q)SARs & other non-test methods and regarding various toxicological and ecotoxicological/env, fate properties), Aquatic Hazard Classification Criteria & Guidance (Nordic, EU, GHS), OECD Test Guidelines, Detailed Review Papers / Monographs and Guidance Documents etc.).</p> <p>Main activities:</p> <ul style="list-style-type: none"> • For more than 25 years involved in the Nordic corporation on chemicals concerning hazard classification, risk assessment & test methods. • In the 80-ties involved with administration according to EU legislation on notification of new chemicals and development of criteria for environmental hazard classification of chemicals. • In the 90´-ties and 0-s: UNECE & UNEP POP Conventions: DK participant in the Criteria Expert Groups (1995-2000), commenting or drafting EU hazard classification proposals, EU risk assessment documents & PBT assessments on specific chemicals by participation in the former EU C&L WG (1989-1996), the TCNES of the EU Existing Substance Regulation Programme (1995-2008) and the voluntary PBT WG (2001-2008). • Danish national co-ordinator for EU testing methods (Council Reg. 440/2008) & the OECD Test Guidelines Programme (from 1992, chair between 1995 and 2000). • Danish contact point for the OECD SIDS Programme (from 1999 to 2009), • Danish contact point for the OECD Task Force on Hazard Assessment – before The OECD Task Force on Existing Chemicals (from 2000, chair 2010-11) • One of the two Danish participants in the OECD QSARs Management Group • Danish participant in the PBT Expert Group established by ECHA under REACH • Danish participant in the EU Member State Committee under REACH | | |
| European Chemicals Agency Finland | Dr Bram | VERSONNEN |
| <p>Dr Bram Versonnen is an ecotoxicologist working at the European Chemicals Agency in Helsinki for almost 6 years. He holds a PhD in Bioengineering Sciences (environmental toxicology) from Ghent University (Belgium) and has research experience in soil, sediment and aquatic ecotoxicology and endocrine disruption in aquatic species in particular. He gained further experience in environmental risk assessment working in a consultancy firm before joining ECHA. As a consultant he advised both industry (from SME's to large multinationals) and regulators on environmental risk assessment related questions. In ECHA, he is involved in the evaluation of registration dossiers under the REACH Regulation and in environmental fora bringing together ecotoxicologists within ECHA. He is also active in scientific and international organisations such as SETAC and the OECD (CoCAM).</p> | | |
| BASF Germany | Dr Lennart | WELTJE |
| <p>Dr Lennart Weltje is a senior regulatory ecotoxicologist employed by BASF Crop Protection in Limburgerhof, Germany for 10 years. Lennart holds a BSc and MSc in Biology (Utrecht University, The Netherlands) and a PhD in Ecotoxicology and Environmental Chemistry (Delft University, The Netherlands). His PhD research focussed on lanthanide speciation, bioavailability and toxicity to aquatic organisms. Lennart worked as a soil ecotoxicologist at</p> | | |

the National Institute for Public Health and the Environment (RIVM, Bilthoven, The Netherlands) on mixture toxicity in terrestrial invertebrates. In 2001 he became an EU Marie-Curie fellow to work on endocrine disruption in freshwater invertebrates at the International Graduate School (IHI) in Zittau, Germany. An important organism group in his research are the sediment dwelling chironomids for which he coordinated the ring testing that led to the development of OECD guidelines 233 and 235.

ENVIRON

United States of America

Mr Richard J.

WENNING

Mr. Richard Wenning is Principal and Global Practice Leader for Ecology & Sediment Management services at ENVIRON, an international consulting firm with 80 offices in 20 countries. His expertise includes implementation of environmental monitoring and ecotoxicology studies, environmental impact assessments (EIAs), contaminated sediment management, and human health and ecological risk assessment. Mr. Wenning is widely recognized as an expert in chemical fingerprinting, particularly the dioxins, and the identification of sources to the environment. He has directed teams of engineers and scientists on sediment remediation and waterway restoration projects in the U.S. and other countries. Mr. Wenning is active on the science advisory boards and organizing committees of several professional organizations. He has participated in scientific review panels for U.S. EPA, U.S. Army Corps of Engineers, and the European Commission. From 2004, Mr. Wenning serves as editor-in-chief of the Society of Environmental Toxicology and Chemistry (SETAC) peer-reviewed journal Integrated Environmental Assessment and Management. He has served for 15+ years as Associate Editor of the journal Archives of Environmental Contamination & Toxicology. Mr. Wenning is co-editor of the book Use of Sediment Quality Guidelines and Related Tools for the Assessment of Contaminated Sediments (2005; SETAC Press) and two books on Environmental Security in Harbors and Coastal Areas (2007; Springer). Mr. Wenning received a Bachelors degree in environmental science from the University of Denver and a Master Environmental Management in ecotoxicology from Duke University.