

OECD_ENV | 21 & 24 October 2022

MEET THE SPEAKERS

OECD online workshop
Approaches for establishing Occupational
Exposure Limits (OELs)

SPEAKERS



MICHELLE DEVEAU, HEALTH CANADA

Dr. Deveau has worked as a toxicological risk assessor for Health Canada for 15 years, deriving exposure guidelines for various sources of chemicals, including drinking water and indoor air. She is **currently with Health Canada's occupational exposure limits program**, which is exploring the possible development of OELs at a national level

Michelle is also a Registered Occupational Hygienist, and worked as a corporate industrial hygienist prior to joining the federal government. She has been a volunteer on the Occupational Alliance for Risk Science (OARS) Workplace Environmental Exposure Levels (WEEL) Committee for a decade. Michelle obtained her Masters of Science in Occupational Health Sciences from McGill University, and her PhD in Population Health from University of Ottawa, where she focused on the incorporation of chemical-specific data in environmental and occupational exposure guidelines and the evaluation of the science and policy basis of OELs.



CLAUDIA DROSSARD, BAUA

Claudia Drossard works as an epidemiologist in the field of toxicology at the German Federal Institute for Occupational Safety and Health (BAuA). In this role, she has been involved in the risk assessment of chemicals in the workplace in different national and European processes since 2012. In parallel, she drives research aimed at providing scientific justification for regulatory measures. She is involved in deriving occupational exposure limits (OELs) in both regulatory and scientific contexts. She has been active in working groups of the German Committee on Hazardous Substances since 2013 and of the **"MAK Commission" since 2021, supervised the BAuA research project on the derivation of OELs, and has been involved in BAuA workshops to communicate the methods of OEL derivation.** Claudia Drossard holds a doctorate in nutritional sciences and a postgraduate master's degree in epidemiology.



ANDREA HARTWIG, KIT

Andrea Hartwig received her Diploma in Chemistry in 1984, finished 1987 her PhD thesis and 1996 her Habilitation in Biochemistry at the University of Bremen. In 1998 she became Professor for Food Chemistry at the University of Karlsruhe (TH) and 2004 Full Professor for Food Chemistry at the Technical University of Berlin. Since 2010 she is Full Professor and Chair for Food Chemistry and Toxicology at the Karlsruhe Institute of Technology (KIT).

The main research area focuses on the impact of carcinogenic metal compounds and essential trace elements - including metal-based nanomaterials - on genomic stability, with special emphasis on DNA damage induction and effects on DNA repair, gene expression, cell cycle control, tumor suppressor functions and epigenetic alterations.

In addition, Andrea Hartwig is actively involved in chemical risk assessment. Among other activities, **since 2007 she is Chair of the German „Permanent Senate Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area" („MAK-Commission") and Member of the German "Committee of Hazardous Substances", since 2018 Co-opted member in the Risk Assessment Committee (RAC) of the European Chemicals Agency (ECHA) and since 2021 Member (representative of KIT) of the EU "High level roundtable on the Chemicals Strategy for Sustainability".**

She is author of more than 200 scientific publications and received several awards for her research in the field of metal toxicology and its impact on scientific risk assessment.



LAURENCE HOFFSTADT, ECHA

Laurence Hoffstadt is a pharmaceutical doctor and holds a PhD in Toxicology.

After her studies on in vitro eye toxicology, she worked in a CRO, in the pharmaceutical and chemical sectors, before joining ECHA in 2008.

Her broad experience revolves around the relevant EU legislations (REACH, food safety, alternatives to animal testing, cosmetics) and interacting also with external stakeholders.

At ECHA, her initial tasks (Directorate of Registration) were mainly to develop the implementation of the data sharing provisions, and the support to SIEFs. Since 2013, she has been contributing to the Directorate responsible for the evaluation of registration dossiers. Her many varied tasks ranged from scientific and regulatory (linked to the REACH, CLP and also Cosmetics Regulations) assessments, development of policies and of communication materials for registrants and stakeholders (webpages, practical guides, factsheets, ...).

Since mid-2022, Laurence is leading the OEL team in supporting **ECHA's risk assessment committee (RAC)** developing OEL opinions, which contribute to the setting up of OELs at EU level.



BRUCE D. NAUMANN, DABT

Dr. Naumann is a retired toxicologist. He was formerly Executive Director, Toxicology in Merck's Global Safety and the Environment group. In this role he provided leadership and technical guidance to the Company on a broad range of occupational, environmental and product safety issues. He chaired **Merck's Industrial Toxicology Advisory Committee which sets formal health-based exposure standards** to support worker protection and product quality. He also provided guidance to quality, network, and external manufacturing partners on segregation of highly active compounds. Bruce received his Ph.D. from New York University and is certified by the American Board of Toxicology. He has over 35 years of experience as an industrial toxicologist in the pharmaceutical industry and his publications have focused on improving the use of science in risk assessment. Bruce is currently vice chair of the ACGIH Chemical Substances TLV® Committee.



MARIKO ONO, JNIOOSH

Mariko Ono is a project researcher of Research Centre for Chemical Information and Management since 2020 when this centre was established in the JNIOOSH.

One of the roles of the centre is to scientifically and technically support the Ministry of Health, Labour, and welfare to drive forward with the new legislation system for chemicals in workplaces. The centre organises the committees to set Control Standards like OEL, to propose a Risk Assessment guidance by utilising quantitative exposure assessment, and so on. Also, the centre is planning to distribute the information on the new system through the web site.

Dr Ono has been working in JNIOOSH in a division of exposure assessment and was a director of the division. She is supporting the mission of the centre by taking advantage of experience in the exposure assessment in workplaces. She is working to propose analytical methods for chemicals of which Control Standard is newly established.



ROBERT PASANEN, SECO

Dr. Robert Pasanen-Kase is working at the State Secretariat for Economic Affairs (SECO) in Switzerland in tasks related to chemical safety at the workplace.

His current tasks are:

- industrial chemical assessments
- endocrine disruptors
- marketing controls
- since 2019 coordinating an OECD Occupational Biomonitoring activity for Working Parties on Hazard & Exposure Assessment (WPHA& WPEA)

His previous tasks are:

- since 2009 risk assessor for industrial chemicals, pharmaceuticals and endocrine disruptors (EDC) and Environmental Quality Standard (EQS) derivations
- project management in many interdisciplinary projects in regulation and science and for the European Water Framework Directive (WFD)
- since 2004 involved in effect-biomonitoring development and application



KLAUS SCHNEIDER, FOBIG

Klaus Schneider (PhD), senior scientist and company associate of the consultancy company FoBiG is a chemist and ABT-certified toxicologist, working for more than 30 years in toxicological risk assessment.

After his PhD in chemistry, he entered the consultancy company FoBiG. His main activities over the years were the development and improvement of methods for risk assessment as well as exposure and risk assessment of chemicals at the workplace, in consumer products, and environmental media. Klaus Schneider has a deep knowledge of the European workplace and chemicals legislation, having been involved in many REACH projects as well as projects on behalf of DG Employment for setting occupational exposure limits in the frame of the Carcinogens and Mutagens Directive. Recently, among many other projects, he led projects for preparing dossiers for harmonised classification and labelling (CLH) for DG Environment and a project for the German authority BAuA on methods for deriving occupational exposure levels.

He is a member of the Subcommittee III (Subcommittee on Hazard Risk Assessment) of AGS, which provides scientific support to German representatives with regard to classification and labelling issues and performs quantitative risk assessments on carcinogenic and/or genotoxic substances and reproductive toxicants at the workplace and derives OELs. Klaus Schneider worked repeatedly as temporary advisor for the Joint FAO/WHO Expert Committee on Food Additives (JECFA). He proved his ability to lead complex projects as project leader for various research projects for German competent authorities or EU bodies on assessing and documenting alternative methods, the development of a tool to assess the reliability of toxicological data (ToxRTool) and in the field of consumer exposure from articles.



KOKI TAKAKI, OECD

Dr. Koki Takaki is working at the OECD as an administrator for the Working Party on Exposure assessment and the Working Party on PRTRs. Koki had previously worked as a technical official at the Ministry of the Environment, Japan, for over ten years. Koki obtained his PhD in Environmental Science from the University of Reading, where he focused on the exposure and risk assessment of chemicals, including comparing and improving exposure models.



STEFAN VINK, HEALTH COUNCIL OF THE NETHERLANDS

Stefan Vink studied toxicology and occupational hygiene. As a Scientific Secretary of the Health Council of the Netherlands, he supports expert committees that recommend OELs and classifications (for carcinogenicity and reproduction toxicity) to the Dutch Ministry of Social Affairs.

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<http://oe.cd/occupational-exposure-limits>

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