

22nd ANNUAL CEFIC-LRI WORKSHOP

Advancing chemical risk assessment through LRI knowledge

08 and 09 November 2021

Hotel Le Plaza/ Online
Boulevard A. Max 118-126, b-1000 Brussels - Belgium

PROGRAMME

Monday, 08 November 2021	
12.00 - 13:15h	Workshop registration and lunch (buffet)
Presentations (PLENARY/HYBRID)	
13:15 - 13:30	Word of welcome, programme overview Dr Heli Hollnagel, Dow, CH / Cefic LRI Issue Team Chair
13:30 – 14:00	Keynote: The future of chemical safety assessment 2030-2050 Henrik Søren Larsen, Head of Department, Ministry of Environment and Food, Denmark
Plenary session I: Human health risk assessment Finishing LRI projects with impact on developmental ontology prediction, repeated dose toxicity, quantitative AOP for thyroid modulation, and toxicogenomics bioinformatics Chair: Dr Bruno Hubesch, LRI Programme Consultant, Programme Council Innovation Cefic, BE	
14:00 – 14:30	AIMT5.2 - A developmental ontology based computational model for mammalian neural tube closure for in silico prediction of compound induced neural tube defects Dr Aldert Piersma, National Institute for Public Health and the Environment (RIVM), NL
14:30 – 15:00	AIMT10 - Development and testing of a repeated dose toxicity ontology model for chemical risk assessment purposes: liver effects as a case study Mrs. Emma Arnesdotter, Vrije Universiteit Brussel (VUB), BE
15:00 – 15:30	EMSG59 - Developing a quantitative AOP for liver-mediated thyroid modulation after prenatal exposure to a xenobiotic compound in the rat Dr Aldert Piersma, National Institute for Public Health and the Environment (RIVM), NL
15:30 - 16:00	Coffee break

16:00 - 16:30	C4 - Transcriptomics data analysis framework for regulatory applications Dr Florian Caiment, Maastricht University (UM), NL
Plenary session II: (Regulatory) Exposure Assessment Finishing LRI projects with impact on risk management measure libraries, consumer dust exposures, and worker exposure data extrapolation Chair: Dr Yuri Bruinen de Bruin, LRI Programme Manager, Programme Council Innovation, Cefic, BE	
16:30 - 17:00	B15.3 - Technical improvements and population of the integrated risk management measure (RMM) library Dr Wouter Fransman, TNO, NL
17:00 - 17:30	B12.3-5 - Extension of B12.3: Assessing the relevance of the dust contribution in consumer exposure to substances from consumer products and articles (DustEx) Prof John Little, Virginia Tech (VT) Applied Research Corporation, US
17:30 - 18:00	B19.2 - Refinement of a framework for extrapolating of worker exposure measurement data Dr Wouter Fransman, TNO, NL
18:00 - 19:30	Poster session & networking cocktail Illustrating recently started projects in 2021
19:30 - 21:30	Dinner

Tuesday, 09 November 2021	
9:00 – 9:30	Registration and welcome coffee
Presentations (PLENARY/HYBRID)	
Plenary session III: Environmental risk assessment Finishing LRI projects with impact on UVCB toxicity testing, bioaccumulation assessment tools, improved aquatic testing, fate and transportation of microplastics in aquatic systems and the use of ecosystem services. Chair: Dr Bruno Hubesch, LRI Programme Consultant, Programme Council Innovation, Cefic, BE	
9:30 - 10:00	ECO42 - UVCB fate-directed toxicity testing and risk assessment (UVCB-FATETOX) Prof Philipp Mayer, Technical University of Denmark (DTU), DK
10:00 - 10:30	ECO45 - Chemicals: Assessment of Risks to Ecosystem Services (CARES II) Prof. Paul van den Brinck, Wageningen University, NL
10:30 - 11:00	ECO46 - Improved aquatic Testing and Assessment of cationic Polymers (iTAP) Dr Hans Sanderson - Aarhus University, DK
11:00 - 11:30	Coffee break
11:30 - 12:00	ECO40.2 - Investigations on the bioconcentration of xenobiotics in the freshwater amphipod <i>Hyalella azteca</i> and inter-laboratory comparison of a new BCF test protocol (Phase II) Prof. Dr Christian Schlechtriem, Fraunhofer Institute for Molecular Biology and Applied Ecology, DE
12:00 - 12:30	ECO48 - Nano2Plast – Extending nanoparticle models to open-source models of the fate and transport of microplastic in aquatic systems Dr Prado Domercq, Stockholm University, SE
12:30 – 14:00	Lunch (buffet)

14:00 - 14:30	ECO44.2 - Integrating Bioaccumulation Assessment Tools for Mammals (iBAT-Mam) Dr Jon Arnot – ARC Arnot Research & Consulting Inc, CA
14:30 – 15:00	<p>Cefic LRI microplastics research:</p> <ul style="list-style-type: none"> - Newly started environmental projects: Development of a multimedia open-source model, Assessment of the long-range transport potential, Additive release and risks related to bioaccessibility of micro- and nano-plastics in the environment, Microplastic fragmentation. - Future plans: human health <p>Dr Blanca Serrano, Cefic, BE</p>
15:00 - 15:30	<p>ICCA-LRI Workshop/QSAR 2021 Outcomes – ICCA-LRI Workshop 2022 Japan – Global LRI summits</p> <p>Dr Rick Becker, American Chemistry Council (ACC), US</p>
15:30 - 16:00	<p>Interactive debate on the future of chemical safety assessment 2030-2050</p> <p>Dr Yuri Bruinen de Bruin, LRI Programme Manager, Programme Council Innovation, Cefic, BE</p>
16:00 - 16:15	<p>Conclusions of the workshop and future perspectives on the LRI programme</p> <p>Dr Daniel Witthaut, Executive Director Cefic Programme Council Innovation, Cefic, BE</p>
16:15 – 16:30	<p>Close of Cefic-LRI Workshop 2021</p> <p>Dr Yuri Bruinen de Bruin, LRI Programme Manager, Programme Council Innovation, Cefic, BE</p>
16:30 – 17:00	Farewell & networking coffee

POSTER SESSION		
Project	Title	Presenter
ECO53	A Chemical Categorisation Approach for LRTP Assessment (CC-ALT)	Prof Dr Knut Breivik NILU, Norwegian Institute for Air Research, NO
ECO54	Next generation risk assessment methods for substances associated with mobility concerns	Dr Li Li University of Nevada, US (Dr Spyros Karakitsios, Aristotle University of Thessaloniki, GR)
AIMT11	Enhancing in vitro DNT Testing Strategy	Dr Ellen Fritsche IUF, Leibniz Research Institute for Environmental Medicine, DE
C8	MetAbolomics ring-Trial for CHEMical groupING (MATCHING)-Assessing the Repeatability of Metabolomics Within a Regulatory Context Through a Multi-laboratory Ring-trial	Prof Pim Leonards, VU Amsterdam
C9	Mining the developmental toxicity genome in the zebrafish embryo test to develop a spatio-temporal map on morphogenesis and associated biomarker.	Dr Sylvia E. Escher (Matthias Wehr) Fraunhofer Institute for Toxicology and Experimental Medicine, DE
ECO56	UTOPIA: Development of a mUltimedia uniT world OPen-source model for mIcroplAstic	Dr.Prado Domercq Stockholm University, SE
ECO57	μPLANET – microPlastic Long-range transport Assessment aNd Estimation Tools	Prof Antonia Praetorius University of Amsterdam, NL
ECO58	Comprehensive additive release and bioaccessibility model for risk assessment of micro- and nano-plastics in the environment	Prof P. Lee Ferguson Duke University, US
ECO59	“FRAGMENT-MNP: Developing a mechanistic model of Micro and NanoPlastic FRAGMentation in the ENvironment”	Dr Claus Svendsen UK Centre for Ecology & Hydrology (UKCEH), UK