

The Chemical Cocktail Challenge

March 26th 2019

“A workshop on results and conclusions from the two H2020-funded projects, EDC-MixRisk and EuroMix, and their implications for future needs for chemical mixture risk assessment”

Aim of the stakeholder workshop:

The workshop is aimed at gathering key scientists, researchers, policy makers, and stakeholders from authorities, industry and civil society. Both projects, EDC-MixRisk and EuroMix, will present key results and demonstrate new tools and approaches for risk assessment of combined exposure to multiple chemicals (mixtures) and how these could benefit future European food and chemical safety policy.

Programme for 26 March 2019, Thon Hotel, Brussels

The morning part of the stakeholder workshop will focus on presenting and discussing the key results of both projects and stakeholder perspectives in a joint plenary, whereas the afternoon sessions will showcase and discuss the new approaches and tools project-specifically.

Overall Chairs: *Gregory Moore, Keml & Charles Wijiker, Ministry Health, Welfare and Sport* Overall Rapporteurs: *Helga Gunnlaugsdóttir, Matis & Elina Drakvik, KI*

Time

8:30-9:00 Registration and welcome coffee

SESSION 1: Joint forces tackling chemical mixtures - Key results and conclusions from EDC-MixRisk and EuroMix Rapporteurs: *Sophie Jensen and Mattias Öberg*

Time

Title / Speaker

9:00-9:10 Welcome and workshop objectives, *Maria Pilar Aguar Fernandez, DG RTD, EC*
9:10-9:20 EC opening address, *Sabine Jülicher, DG SANTE, EC*
9:20-10:05 EuroMix highlights and key recommendations, *Jacob v. Klaveren, RIVM; Alfonso Lampen, BfR; Hilko van der Voet, WUR*
10:05-10:50 EDC-MixRisk highlights and key messages, *Åke Bergman, KI; Carl-Gustaf Bornehag, KU; Joëlle Rüegg, KI; Chris Gennings, ICAHN*
10:50-11:10 Coffee Break

SESSION 2: Stakeholder perspectives on EDC-MixRisk and EuroMix implications for the future Rapporteurs: *Helene Deruwe and Elina Drakvik*

Time

Title / Speaker

11:10-11:25 EFSA's perspective, *Jean-Lou Dorne, EFSA*
11:25-11:40 OECD's perspective, *Eeva Leinala, OECD*
11:40-11:55 ChemSec's perspective, *Anne-Sofie Andersson, ChemSec*
11:55-12:10 Industries perspective, *Steffen Schneider, BASF*
12:10-12:25 EC perspective, *DG SANTE (tbc); Peter Korytar, DG ENV (tbc); Maurice Whelan, DG JRC*
12:25-12:55 Open discussion
12:55-13:00 Word of thanks & practical information for the parallel sessions in the afternoon
13:00-14:00 Lunch

Two Parallel Afternoon Sessions in Separate Rooms:

EuroMix session A – Room Belgium II: Applications of the EuroMix toolbox for improving exposure assessment of mixtures Chair: <i>Mirjam Luijten</i> Rapporteur: <i>Sophie Jensen</i>		EDC-MixRisk session B – Room Belgium III: EDC-MixRisk approach: Case study of mixture effects on sexual development Chair: <i>Joëlle Rüegg</i> Rapporteur: <i>Elina Drakvik</i>	
Title / Speaker	Time	Title / Speaker	Time
Exposure assessment overarching sectors and tools to identify mixtures of concern <i>Amelie Crepet, ANSES</i>	14:00-14:20	EDC-MixRisk study design and epidemiological evidence – results from the SELMA study <i>Carl-Gustaf Bornehag, KAU</i>	14:00-14:20
Aggregated exposure assessment <i>Marc Kennedy, FERA</i>	14:20-14:40	Mixture effects in a mouse model <i>Antonios Stamatakis, UoA</i>	14:20-14:40
Human study and how to compare real life exposure with predicted exposure using the EuroMix concept and tools <i>Trine Husøy, NIPH</i>	14:40-15:00	New risk assessment strategy – Similar Mixtures Approach <i>Chris Gennings, ICAHN</i>	14:40-15:00
Joint coffee break	15:00-15:20	Joint coffee break	15:00-15:20

Two Parallel Afternoon Sessions in Separate Rooms:

EuroMix session C – Room Belgium II: Applications of the EuroMix toolbox for improving hazard assessment of mixtures Chair: <i>Alan Boobis</i> Rapporteur: <i>Marc Kennedy</i>		EDC-MixRisk session D – Room Belgium III: From science towards regulation - EDC-MixRisk approaches for better risk assessment and management of mixtures Chair: <i>Mattias Öberg</i> Rapporteur: <i>Elina Drakvik</i>	
Title / Speaker	Time	Title / Speaker	Time
Lower tier assessment using <i>in silico</i> approaches <i>Ad Peijnenburg, WUR</i>	15:20-15:40	Systematic integration of epidemiological and experimental evidence into mixture risk assessment strategies <i>Giuseppe Testa, IEO</i>	15:20-15:40
EuroMix test strategy: use of <i>in vitro</i> data to improve and/or complete hazard data collection for chemicals relevant for cumulative effect on AOP liver steatosis <i>Alfonso Lampen, BfR</i>	15:40-16:00	Taking into account environmental mixtures in risk assessment: new Acceptable Concentration Range (ACR) models <i>Chris Gennings, ICAHN</i>	15:40-16:00
EuroMix test strategy: use of <i>in vitro</i> data to define the cumulative assessment group for cranio-facial malformation <i>Angelo Moretto, UMIL</i>	16:00-16:20	Application of systematic review and integrated assessment (SYRINA) framework to mixtures <i>Thuy Bui, SU</i>	16:00-16:20
EuroMix test strategy: use of <i>in vitro</i> data to improve and/or complete hazard data collection for endocrine disruption <i>Toine Bovee, WUR</i>	16:20-16:40	Recommendations and options for better risk assessment and management of mixtures <i>Christina Rudén, SU</i>	16:20-16:40
General discussion	16:40-17:15	General discussion	16:40-17:15
Joint dinner at the Atelier 29	18:00	Joint dinner at the Atelier 29	18:00