

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.

ORGANISING COMMITTEE:

EDC-MixRisk:

Åke Bergman, Karolinska Institutet (SE)
Joelle Rüegg, Karolinska Institutet (SE)
Elina Drakvik, Karolinska Institutet (SE)

EuroMix:

Jacob van Klaveren, National Institute Public Health and the Environment (RIVM, NL)
Helene Deruwe, Freshfel Europe (BE)
Sophie Jensen, Matis (IS)
Helga Gunnlaugsdóttir, Matis (IS)

VENUE:

Thon Hotel EU
Rue de La Loi 75,
1040 Brussels

www.thonhotels.com/eu

ABSTRACTS:

The abstracts from the speakers will be available at the project websites **EDC-MixRisk**: <https://edcmixrisk.ki.se/> & **EuroMix**: <http://www.euromixproject.eu/>

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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 Wijker, Ministry Health, Welfare and Sport* Overall Rapporteurs: *Helga Gunnlaugsdóttir, Matis & Elina Drakvik, KI*

Time

8:00-9:00 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

9:00-9:05 Welcome from the project coordinator(s) and aims of the workshop, *Åke Bergman, KI; Jacob v. Klaveren, RIVM*
9:05-9:15 Mixtures and food safety, *Sabine Julicher, Director, Food and Feed Safety, Innovation, DG Sante, EC*
9:15-9:25 How research contributes to solving the mixture challenge, *Maria Pilar Aguar Fernandez, Head of Unit, DG RTD, EC*
9:25-10:05 EuroMix highlights and key recommendations, *Jacob v. Klaveren, RIVM; Alfonso Lampen, BfR; Hilko van der Voet, WUR*
10:05-10:45 EDC-MixRisk highlights and key messages, *Åke Bergman, KI; Carl-Gustaf Bornehag, KU; Joëlle Rüegg, KI; Chris Gennings, ICAHN*
10:45-11:10 **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 ChemTrust's perspective, *Ninja Reineke, ChemTrust*
11:55-12:10 Industry perspective, *Steffen Schneider, BASF*
12:10-12:25 Perspectives from three European Commission's DG's, *Laura Fabrizi, DG SANTE; Peter Korytar, DG ENV; Stephanie Bopp, 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 Exposure assessment overarching sectors and tools to identify mixtures of concern <i>Amelie Crepet, ANSES</i>	Time 14:00-14:20	Title / Speaker EDC-MixRisk study design and epidemiological evidence – results from the SELMA study <i>Carl-Gustaf Bornehag, KAU</i>	
Aggregated exposure assessment <i>Marc Kennedy, FERA</i>	14:20-14:40	Mixture effects in a mouse model <i>Efthymia Kitraki, UOA</i>	
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>	
Joint coffee break	15:00-15:20	Joint coffee break	

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 Lower tier assessment using <i>in silico</i> approaches <i>Ad Peijnenburg, WUR</i>	Time 15:20-15:40	Title / Speaker Systematic integration of epidemiological and experimental evidence into mixture risk assessment strategies <i>Giuseppe Testa, IEO</i>	
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>	
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>	
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>	
General discussion	16:40-17:15	General discussion	
Joint dinner at the Atelier 29	18:00	Joint dinner at the Atelier 29	