

Norman workshop Integrated Exposure and Effects Assessment

Workshop programme

Tuesday 11 April 2017

Chemical Analysis and Effect Assessment

9:00 Registration, coffee & tea, poster mounting

9:30 Welcome address (Marja Lamoree, VU-E&H)

Chair: Pim Leonards

9:45 Keynote Ann-Sofie Wernersson, Swedish Agency for Marine and Water Management:
Effect based tools in a water and marine regulatory framework - current use and future prospects

10:25 Nicole Munz, EAWAG:
Combining chemical analysis, bioanalysis and risk assessment to prioritize risk driving substances in wastewater-impacted streams

10:45 Coffee break

11:15 Keynote Marc Mills, US EPA, National Risk Management Research Laboratory, Cincinnati:
Using Weight of Evidence to conduct an integrated exposure and effects assessment of contaminant sources

11:55 Corine Houtman, The Water Laboratory:
Integrated analytical approaches to assess chemicals of concern in the water cycle

12:15 Annemarie van Wezel, KWR Water:
Chemical and biological assessment, application to unconventional tight sand gas related waters and in the context of the Dutch signaling value for 'other antropogenic substances'

12:35 Lunch and poster session

Chair: Jessica Legradi

13:45 Milo de Baat, UvA-IBED:
Nationwide screening of herbicide risk to algae

14:05 Ron van der Oost, Waternet:
SIMONI: Smart Integrated MONIToring strategy for bioanalytical water quality assessment

14:25 Timo Hamers, VU-E&H:
TIPTOP: Time Integrative Passive sampling combined with TOxicity Profiling - an effect-based strategy for cost-effective chemical water quality assessment

14:45 Coffee Break

15:15 Kirsten Baken, KWR Water:
Tracing nitrogenous disinfection byproducts after medium pressure UV water treatment by stable isotope labeling, high resolution mass spectrometry and effect directed analysis

15:35 Nick Zwart, VU-E&H:
Development of a high resolution Effect-Directed Analysis platform for the identification of mutagens and endocrine disruptors in the aquatic environment

15:55 Wrap up and closing for the day; directions for the dinner event

16:15 End of first day



Wednesday 12 April 2017

Effect Assessment including Omics Techniques

9:00 Coffee & tea

Chair: Timo Hamers

9:30 Keynote Go Suzuki, National Institute for Environmental Studies, Japan:
Chemical safety assessment using an integrated exposure and effect analysis

10:10 Peter Behnisch, BioDetection Systems:
In vitro effect based toxicity profiling and water monitoring

10:30 Sebastian Buchinger, German Federal Institute for Hydrology:
Screening approach for compounds in surface- and wastewater samples exhibiting estrogenic potentials

10:50 *Coffee break*

11:20 **Keynote François Brion**, INERIS, France:
Integrated approaches to investigate the effect of progestins in fish and their occurrence in the aquatic environment

12:00 H el ene Arambourou, Irstea:
Effects of exposure to an analog of the juvenile hormone on the freshwater amphipod *Gammarus fossarum*

12:20 Cornelia Kienle, Swiss Centre for Applied Ecotoxicology Eawag-EPFL:
The Combined Algae Assay - a promising tool for water quality assessment

12:40 *Lunch, poster session and demo of SPARK Integrity spotter*

Chair: Selim Ait-Aissa

14:00 Dimitrios Damalas, National and Kapodistrian University of Athens:
From toxicity assay to metabolomics analysis - An integrated approach to assess the toxicity of three benzotriazoles in zebrafish (*Danio rerio*) embryos

14:20 Jessica Legradi, VU-E&H:
Application of novel omics tools for zebrafish (neuro-)toxicological research

14:40 Closing and farewell

15:00 End of the workshop

Venue

Auditorium of the O|2 Building
Vrije Universiteit
De Boelelaan 1108
1081 HZ Amsterdam
The Netherlands

The venue can be easily reached by train (Amsterdam Zuid)
Tram and metro lines that stop within walking distance of the meeting venue:
Tram 5, metro 51: stop De Boelelaan/VU
Tram 16: stop VU medisch centrum
For more information: www.gvb.nl

