



25 and 26 November 2020 | Online Conference | Die Akademie Fresenius GmbH

20th International ECOTOX Conference

"Aquatic and Terrestrial Ecotoxicology and Risk Management"

+++ONLINE CONFERENCE+++



www.akademie-fresenius.com/2804

Programme

PLEASE NOTE: The indicated times refer to Central European Summer Time CET.

Wednesday, 25 November 2020

10:45 CET - Start of the Online Conference

Welcome address by the organisers and introduction by the Chairs

Peter Dohmen, Germany

Mark A. Clook, Health and Safety Executive, Chemicals Regulation Directorate (HSE/CRD), United Kingdom

11:00 CET - Regulatory Developments

How to use pesticides and protect the environment and biodiversity? – Specific protection goals for environmental risk assessment within the framework of Regulation (EC) No 1107/2009

- Description of the project objectives and way of working
- EFSA method to define specific protection goals
- Current status and next steps

Zsuzsanna Koenig, European Commission, Belgium

Ecotoxicology Update from EFSA

Domenica Auteri, European Food Safety Authority (EFSA), Italy

General demands to risk assessment in the Northern Zone – Highlights in the updated guidance document

- New achievements in higher tier risk assessment for birds and mammals – Better guidance, new scenarios and adjustments in focal species
- Bee risk assessment Interim approach – Clear guidance including chronic risk assessment for honey bees and acute risk assessment for bumble bees
- Upgraded level of protection for fish and non-target plants – Updated assessment factors

Mariana Ledesma, Swedish Chemicals Agency (KEMI), Sweden

Update on the Central Zone

Wolfgang Krämer, The Austrian Agency for Health and Food Safety (AGES), Austria

13:00 CET - Lunch Break





14:00 CET – Ecosystem Services

Developments in the application of the Ecosystem Services-based approach to support ERA for agro-chemicals

This presentation will draw on discussions at a recent CARES II multi-stakeholder workshop and proof of concept study to explore:

- The feasibility of applying an ecosystem services-based approach to ERA using currently available data and methodologies
- The added value of an ecosystem services approach to environmental decision making

Lorraine Maltby, University of Sheffield, United Kingdom

Industry point of view: Opportunities and benefits from using an ecosystem services approach for the risk assessment of plant protection products – towards mainstreaming biodiversity in food production

Virginie Ducrot, Bayer CropScience, Germany

15:10 CET - Risk Communication

Risk communication during the Covid 19 Pandemic: Best practice & lessons learned

- Risk perception
- Risk literacy
- Risk communication in politics
- Behaviour change

Mirjam Jenny, Robert Koch Institute (RKI), Germany

The Case for Effective Risk Communication: Lessons from a Global Pandemic

- The global pandemic has presented risk communication challenges and highlighted existing gaps in our risk communication systems
- Solutions to effective risk communication include: tailoring your message to your audience, acknowledging uncertainty, earning trust, and seeking training
- Placing science-based information in the hands of public officials and providing tools for effective communication will contribute to better-informed decisions for protecting public health and the environment-

Blair Paulik, Integral Consulting, United States

16:40 CET - End of the first conference day

Thursday, 26 November 2020

10:50 CET - Start of the second day of the online conference

Opening remarks for the second conference day by the Chairs

11:00 CET – Aquatic-Terrestrial-Bee Ecotoxicology

A case of perceived risk and actual risk: The relevance of pesticide residues in manure as potential exposure route for non-target arthropods – The cause of the decline of farmland birds?

- 2019 Dutch study on pesticide residues in manure claimed its impact on soil-life and respectively its responsibility for the decline of farmland birds
- Description of study that was triggered by commotion in parliament to investigate whether these claims could be substantiated indeed
- Overview of study outcome

Ivo Roessink, Wageningen University & Research, The Netherlands



Representativeness of freshwater mesocosm studies for saltwater Species

- Mesocosm studies on freshwater communities are frequently used as refinement
- In some cases lower tier assessments are driven by species (e.g. marine species) that cannot be assessed in the mesocosm study (see EFSA recurring issues 2019)
- Proposals for assessment strategies for such cases are presented

Philipp Janz, BASF, Germany

The mason bee – a pollinator that can be used in regulatory testing?

- Biology of the Mason bees
- Ring-testing a non-Apis pollinator and its challenges
- Results with recommendations for testing

Silvio Knaebe, Eurofins/International Commission for Plant Pollinator Relationships (ICPPR), Germany

12:40 CET- Lunch break

13:40 CET – Methodology

New developments in mechanistic modelling in regulatory ERA for pesticides

- First experiences with GUTS modelling on basis of the EFSA TKTD modelling
- Activities for the development of scenarios and model acceptability criteria within the SETAC interest group "Effect modelling"

Andreas Focks, Wageningen University, The Netherlands

Effect modelling for regulatory ERA of pesticides

- Viewing effect models as in silico toxicity tests is key to problem formulation
- The devil is in the details: DEB-TKTD modelling choices
- Learning from clinical trials: protocol pre-publication & mesocosm model ring-testing

Roman Ashauer, Syngenta, Switzerland/University of York, United Kingdom

The Minimum Detectable Difference in ecotoxicology – current practice, critiques and new developments

- The current use of the MDD, especially for mesocosm studies
- Statistical aspects and alternatives
- Use of the MDD: effect evaluation and study reliability

Udo Hommen, Fraunhofer Institute for Molecular Biology and Applied Ecology (IME), Germany

Practical experiences with OECD 229 and OECD 231 from a laboratory point of view

- Hands-on experience with FSTRA and AMA: lessons learnt and future testing strategies.
- Conclusions: What worked and what was changed, results and quality measures.

Stefan Höger, Innovative Environmental Services (IES), Switzerland

15:50 CET End of the Conference

Do you have any questions?



Programme and conceptual design

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