



21st International Akademie Fresenius ECOTOX Conference

Aquatic and Terrestrial Ecotoxicology and Risk Management

+++ ONLINE CONFERENCE +++

2 and 3 December 2021

Highlights

- The future of risk assessment: Current risk assessment challenges and opportunities in the EU
- EFSA's take on the future of ERA
- How could a more holistic and systematic approach to risk assessment be supported by a simulation?
- The EU Commission on sustainable Plant Protection
- Green PPPs efficacy vs food production: Biologicals and their requirements for risk assessment
- Update on ERA developments in the Northern and Central Zone
- The EU Green Deal
- Brexit: Update on regulatory operational issues in a post-EU world
- Replacement, Refinement and Reduction of Animals in Ecotoxicological Research
- The use of fish as surrogates in the risk assessment



The Experts

Anne Alix Corteva Agriscience | **Domenica Auteri** European Food Safety Authority (EFSA) | **Natalie Burden** National Centre for the Replacement, Refinement and Reduction of Animals in Research (NC3Rs) | **Peter Campbell** Syngenta | **Mark A. Clook** Health and Safety Executive, Chemicals Regulation Division (HSE/CRD) | **Peter Dohmen** | **Sina Egerer** German Environment Agency | **Michael Fryer** Chemicals Regulation Division, Health and Safety Executive (CRD/HSE) | **Achim Gathmann** German Federal Office of Consumer Protection and Food Safety (BVL) | **Franziska Grözinger** BASF | **Katja Knauer** Swiss Federal Office for Agriculture | **Lorraine Maltby** University of Sheffield | **Mariana Ledesma** Swedish Chemicals Agency (KEMI) | **Alan Matthews** Trinity College Dublin | **Christopher John Topping** Aarhus University | **Gábor Tökés** Hungarian National Food Chain Safety Office (NÉBIH)

Morning Session 09:45 – 12:45 CET

09:45 Welcome address by the organisers and the Chairs

Peter Dohmen, Germany

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

The Future of Environmental Risk Assessment

10:00 The future of environmental risk assessment

- Advancing risk assessment methodologies to move towards a system-based approach: Why is it needed and how can it be achieved?
- Opinion on a systems-based approach to the environmental risk assessment of multiple stressors in honey bees as an example
- EFSA guidance document development/progress: Update and future plans

Domenica Auteri, European Food Safety Authority EFSA, Italy

10:30 The future of risk assessment: An industry point of view

- Current risk assessment challenges and opportunities in the EU
- What should a workable regulatory risk assessment scheme look like
- Risk assessment requirements for precision applications and biologicals

Peter Campbell, Syngenta, United Kingdom

11:00 UBA perspective: Key elements of a sustainable risk assessment practise

Sina Egerer, German Environment Agency, Germany

11:30 Short break

11:45 How could a more holistic and systematic approach to risk assessment be supported by a simulation?

Christopher John Topping, Aarhus University, Denmark

12:15 Authorisation of Plant Protection Products in 2030: Framework and challenges from the perspective of a competent authority

- The EU 'Green Deal, Farm to Fork and Biodiversity Strategy' or the German 'Arable Farming Strategy 2035' (Ackerbaustrategie) claim fundamental shifts in the application of PPPs
- A possible way forward to adapt the authorisation process, risk assessment and risk management

Achim Gathmann, Federal Office of Consumer Protection and Food Safety (BVL), Germany

12:45 Lunch break

Afternoon Session 13:45 – 16:00 CET

Further Developments in Environmental Risk Assessment

13:45 United Kingdom: Update on regulatory operational issues in a post-EU world, Overview of Plant Protection Product regulation and EU Exit

- Active Substances
- Pesticide Products
- Northern Ireland Protocol
- Classification, Labelling and Packaging

Michael Fryer, Health and Safety Executive, Chemicals Regulation Division (HSE/CRD), United Kingdom

14:15 Applying the 3Rs in ecotoxicology

- Why consider the 3Rs
- Examples of 3Rs advances
- Current challenges and opportunities

Natalie Burden, National Centre for the Replacement, Refinement and Reduction of Animals in Research (NC3Rs), United Kingdom

14:45 Short break

15:00 Developments in the Northern Zone

- Birds and mammals – harmonised geomean approach within the NZ and Calculator tool for long term risk assessment
- Aquatic organisms – new MixTox calculation tool
- Bees – New Nordic calculator tool for chronic risk assessment using the EPPO (2010) and EPPO as modified by ECPA (2017) schemes
- Non-target arthropods – adjusted protection level

Mariana Ledesma, Swedish Chemicals Agency (KEMI), Sweden

15:30 Developments in the Central Zone

Gábor Tökés, National Food Chain Safety Office (NÉBIH), Hungary

16:00 End of the first day

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Friday, 3 December 2021

Timings are in
Central European Time [CET](#).

Morning Session 09:45 – 11:30 CET

09:45 **Brief introduction by the Chairs**

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

Peter Dohmen, Germany

Further Developments in Environmental Risk Assessment

10:00 **The use of fish as surrogates in the risk assessment for aquatic life stages of amphibians**

- Overview of sensitivity data for fish and amphibians
- Animal welfare
- Risk assessment considerations

Franziska Grözinger, BASF, Germany

Sustainable Plant Protection

10:30 **Working towards more sustainable PPPs**

- On-going and recent work which leads to more sustainable PPPs
- New data requirements and uniform principles for MO, risk mitigation, etc.

Representative of SANTE E4, European Commission, Belgium (confirmed)

11:00 **Green PPPs efficacy vs food production**

- Biologicals and their requirements for risk assessment
- Efficacy
- Mode of action
- Unintended effects

Anne Alix, Corteva Agriscience, United Kingdom

11:30 **Lunch break**

Afternoon Session 12:30 – 14:15 CET

12.30 **Crop protection and the environment: The way forward in Switzerland**

Katja Knauer, Federal Office for Agriculture (BLW), Switzerland

13:00 **Optimising agricultural food production and biodiversity in European landscapes**

Lorraine Maltby, University of Sheffield, United Kingdom

13:30 **The Green Deal in food and agriculture: Requirement of a new approach for chemicals**

- The Green Deal – what it is and its main objectives (climate, biodiversity, zero pollution, circular economy etc.)
- The Green Deal in food and agriculture: Farm to Fork Strategy and its quantitative targets by 2030
- How the Farm to Fork targets will be incentivised in the EU's new Common Agricultural Policy 2023-2037

Alan Matthews, Trinity College Dublin, Ireland

14:00 **Final discussion, concluding remarks**

14:15 **End of the conference**

How will this online conference work?

Our online conference will be live – with interactive participation – and will be held in the English language. Prior to the conference, we will provide you with your login details, which will allow you to participate and ask questions from your preferred location. All you need is a stable internet connection and an audio hardware system – and away you go!

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Do you have any questions?



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The Organisers

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Who should take part?

Professionals working in the fields of

- ✓ Ecotoxicology
- ✓ Hazard, exposure and risk assessment
- ✓ Risk management
- ✓ Field studies
- ✓ Modelling
- ✓ Regulatory affairs
- ✓ Registration and authorisation
- ✓ Scientific advisory
- ✓ Technical and environmental affairs
- ✓ Monitoring

Sectors taking part:

- ✓ Agrochemical industry
- ✓ Research institutes
- ✓ Authorities
- ✓ Environmental consultants
- ✓ Professional associations

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