



23rd International Akademie Fresenius ECOTOX Conference

Aquatic and Terrestrial Ecotoxicology and Risk Management

+++ HYBRID EDITION +++

6 and 7 December 2023
in Cologne
and via Live Stream

Highlights

- Update on regulatory developments in the European Union
- Update from EFSA, including appraisal tools in ecotoxicology (CATS), the Working Group on effect modelling, Co-formulants, the PERA project, Birds & Mammals and Bees guidance documents, and ApisRAM
- Extensive information on the various sustainability initiatives in the European Union
- Digital Farming and precision agriculture: Update on relevant developments in EUPAF, the European Precision Application Task Force
- The AENEAS Project: Advancing the risk assessment of non-target arthropods for plant protection products by accounting for the impact on ecosystem services and on the ecological function
- Eco-modelling – New developments, challenges and solutions including a look at mesocosm modelling and Scenarios for landscape ERA



The Experts

Anne Alix Corteva Agriscience | **Roman Ashauer** Syngenta | **Laura Villamar Bouza** European Food Safety Authority (EFSA) | **Ingrid Bremmer** Dutch Board for the Authorisation of Plant Protection Products and Biocides (Ctgb) | **Harry Byers** French Agency for Food, Environmental and Occupational Health & Safety (ANSES) | **Achim Gathmann** German Federal Office of Consumer Protection and Food Safety (BVL) | **Thomas Gäbert** Agrargenossenschaft Trebbin | **Peter Dohmen** Econ – Ecotoxicological Consulting | **Steven Droge** Wageningen University and Research | **Charles Hazlerigg** Enviresearch | **Rena Isemer** Bayer | **Mariana Ledesma** Swedish Chemicals Agency (KEMI) | **Eric Liégeois** European Commission | **Arnd Nenstiel-Koehling** Bayer CropScience | **Melissa Reed** British Health and Safety Executive / Chemicals Regulation Division (HSE/CRD) | **Ivo Roessink** Wageningen University and Research | **Jacoba Wassenberg** Dutch Board for the Authorisation of Plant Protection Products and Biocides (Ctgb)

Wednesday, 6 December 2023

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

Morning Session 09:30 – 13:05 CET

09:00 On-site registration & opening of the virtual meeting room

09:30 Welcome address by the organisers and the Chairs

Peter Dohmen, Econ – Ecotoxicological Consulting, Germany
Jacoba Wassenberg, Board for the Authorisation of Plant Protection Products and Biocides (Ctgb), The Netherlands

The presentation slots include sufficient time for questions and answers.

Sustainability Initiatives in the European Union

09:40 Update from the Commission: Farm to Fork Strategy objectives for plant protection products – regulatory and non-regulatory initiatives to fulfil risks and use reduction targets

Eric Liégeois, European Commission, Belgium

10:15 Update from EFSA

- Update on critical appraisal tools in ecotoxicology (CATS)
- Update on the EFSA Working Group on effect modelling
- Co-formulants
- Update on the project for advancing the environmental risk assessment of plant protection products (PERA project)
- Update on the development of the calculators for the Birds & Mammals and Bees guidance documents
- Environmental scenarios for ApisRAM

Laura Villamar Bouza, European Food Safety Authority (EFSA), Italy

10:50 The Ctgb Green Team : Focus and developments

- Team structure
- Completion of evaluation manual for the evaluation and authorisation of Biopesticides
- Ecotox risk assessment: it's not easy being green

Ingrid Bremmer, Board for the Authorisation of Plant Protection Products and Biocides (Ctgb), The Netherlands

11:25 Coffee break

11:55 Update from BVL: Current activities in the context of sustainability

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

12:30 Implications of the EU Green Deal: Farm-to-Fork and the sustainable use regulation – an industry viewpoint

- Challenges and opportunities for agriculture in the EU and beyond
- Reducing environmental impact of crop protection
- Enhancing the technological toolbox for growers

Arnd Nenstiel-Koehling, Bayer CropScience, Germany

13:05 Lunch break

Afternoon Session 14:30 – 17:30 CET

14:30 The implications of the green deal and other sustainability initiatives on farming and on practical food production

Thomas Gäbert, Agrargenossenschaft Trebbin, Germany (virtual presentation)

15:05 Update on the European Precision Application Task Force (EUPAF)

- Purpose of a an expert platform on precision applications
- Task Force working groups and first outcome
- Timeline and next steps

Anne Alix, Corteva Agriscience, United Kingdom

15:40 Coffee break

Other Regulatory Developments

16:10 Ecotoxicological risk assessment in Great Britain and Northern Ireland post EU Exit

- Current situation in GB and NI and adoption of new guidance in GB
- The role of the Expert Committee on Pesticides
- Approach to new technologies and areas of research

Melissa Reed, Health and Safety Executive / Chemicals Regulation Division (HSE/CRD), United Kingdom

16:45 Developments in the Northern Zone

Mariana Ledesma, Swedish Chemicals Agency (Kemi), Sweden (virtual presentation)

17:20 Final words

17:30 End of the first day

18:30 Evening event



To conclude the first day, we invite you join us on a stroll through the famous Cologne Christmas markets, followed by a cozy dinner afterwards. Come along to continue the day's interesting discussions in a relaxed and comfortable atmosphere.

Thursday, 7 December 2023

Morning Session 09:30 – 13:55 CET

09:30 Brief address by the Chairs

Peter Dohmen, Econ – Ecotoxicological Consulting, Germany
Jacoba Wassenberg, Board for the Authorisation of Board for the Authorisation of Plant Protection Products and Biocides (Ctgb), The Netherlands

Methods and Modelling

09:40 Eco-modelling – New developments, challenges and solutions

- Mesocosm modelling: Ring-testing four models
- Scenarios for landscape ERA
- The future of eco-model development

Roman Ashauer, Syngenta, Switzerland

10:15 Feedback from France on the use of TKTD models in refined risk assessment for aquatic organisms

- View of a national regulatory agency on the use of TKTD models
- Advantages and limitations of using TKTD models in a regulatory framework
- Potential areas for improvement

Harry Byers, French Agency for Food, Environmental and Occupational Health & Safety (ANSES), France

10:50 Population Modelling: Risk and hazard approaches

- Regulatory need
- Model parameterisation differences
- Case studies

Charles Hazlerigg, Enviresearch, United Kingdom

11:25 Coffee break

11:55 The AENEAS project on non-target arthropod risk assessment: Ecosystem services and function

- Evaluation of vulnerable species for ecosystem services
- Accounting for interspecies sensitivity and exposure routes
- Modeling individual species effects to population dynamics in habitat scenarios
- Investigating links to ecological functions that influence ecosystem services

Steven Droge, Wageningen University and Research, The Netherlands

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12:30 Off crop non-target terrestrial organism exposure and risk for plant protection products: Processes, procedures and practical proposals

- Representation challenges with drift interactions with off crop vegetation
- Challenges with significant variability in exposure in vegetation structures
- Ecological implications; the role and need for ecological modelling to meaningfully address implications of exposure variation and organism behaviour
- Regulatory implications: Thoughts on how to meaningfully link exposure and effects

Rena Isemer, Bayer, Germany

13:05 Non-target arthropods (NTA) exposure after in-field overspray

- Vertical distribution of spray in crop, as a first step of assessing NTA exposure
- Assessment of individual insect exposure by using fluorescent dye as spray
- Bumblebees: They are not honeybees

Ivo Roessink, Wageningen University and Research, The Netherlands

13:40 Summary and final discussion

13:55 Lunch and end of the Conference

On-site and in person or digitally via our Live Stream – the choice is yours!

Reconnect with your colleagues, clients and partners, network with old and new acquaintances – and just enjoy the on-site event in Cologne.

Should you have missed the opportunity to secure one of our on-site places – or prefer not to travel, you can follow the contributions and discussions from the location of your choice: Via our Live Stream!

Registration

By web www.akademie-fresenius.com/ecotox
By email registration@akademie-fresenius.com

Participation Fee:

€ 1,995.00 plus VAT on-site in Cologne

Representatives of an authority or a public university are eligible for a reduced fee of **€ 895.00 plus VAT** per person (please provide evidence). The reduced fee cannot be combined with other rebates.

€ 1,195.00 plus VAT Live Stream

Representatives of an authority or a public university are eligible for a reduced fee of **€ 695.00 plus VAT** per person (please provide evidence). The reduced fee cannot be combined with other rebates.

If you are unable to attend, you can order the event documentation for **€ 295.00 plus VAT**.

www.akademie-fresenius.com/ecotox

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Do you have any questions?



Anne Möller
Phone: +49 231 75896-84
amoeller@akademie-fresenius.de

The Organisers

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Our events are designed to promote an active exchange amongst our participants and offer the perfect platform for bringing the industry, the scientific sector, the authorities and the consulting field together. Excellent service, all-inclusive. Our wide-ranging advanced training opportunities contribute to giving our customers the competitive edge in all quality assurance, risk assessment, legal, production and technical questions.

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Group Reductions: For joint bookings received from one company we grant a 15% discount from the third participant onwards.

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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 consultancies
- Professional associations

Conference Venue

Leonardo Royal Hotel Köln – Am Stadtwald
Dürener Straße 287, 50935 Cologne/Germany
Phone : +49 221 4676-0
Email: info.koelnstadtwald@leonardo-hotels.com
www.leonardo-hotels.de/leonardo-royal-hotel-koeln-am-stadtwald

We have reserved a limited number of rooms for our participants at reduced rates at the hotel. These rooms can be booked up to four weeks prior to the start of the event. Please book early and directly through the hotel quoting "Akademie Fresenius" as reference.

Of course, participation via our Live Stream is also possible.

case, however, you will receive access to the documentation download after the event. Please note that you can name a substitute participant free of charge at any time.

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