

26th International Akademie Fresenius AGRO Conference

Behaviour of Pesticides in Air, Soil and Water

6 and 7 June 2024
in Duren/Germany

Highlights

Regulatory issues

- Regulation (EC) No 1107/2009 update
- View from the Northern, Central and Southern zone
- EFSA/ECHA Drinking Water Treatment Guidance
- Update on new hazard classes: PMT/vPvM substances
- Update on the GB pesticide regulatory regime

Environmental fate

- Monitoring of pesticides in small stream in Europe
- Soil monitoring of pesticides and putting findings into context

Exposure, risk assessment and risk mitigation

- OECD efforts in drafting the guidelines on the PUF experiments
- Update on SDLM (Spatially Distributed Leaching Modelling)
- Update on the European Precision Application Task Force (EUPAF)
- Linking exposure and effects for off-crop Non-Target Terrestrial Organisms (NTTOs)
- Environmental risk assessment of NTTOs



The Experts

Paulien Adriaanse Wageningen University & Research (WUR) | **Anne Alix** Corteva Agriscience | **Claire Anderson** HSE Chemicals Regulation Division (CRD) | **Gertje Czub** German Federal Office of Consumer Protection and Food Safety (BVL) | **Joachim Dayteg** Austrian Agency for Health and Food Safety (AGES) | **Vera Felix da Graca Silva** Wageningen University & Research (WUR) | **Mónica García Aguilar** European Commission | **Rena Isemer** Bayer Crop Science Division | **Bernhard Jene** BASF | **Marion Junghans** Swiss Centre for Applied Ecotoxicology | **Marc Lamshöft** Bayer Crop Science Division | **Chris Lythgo** European Food Safety Authority (EFSA) | **Rafael Muñoz-Carpena** University of Florida | **Natalia Nogueira de Diego** Spanish Ministry of Agriculture, Fish and Food (MAPA) | **Dieter Schäfer** Bayer Crop Science Division | **Nadja Stadlinger** Swedish Chemicals Agency (KEMI) | **Aaldrik Tiktak** PBL Netherlands Environmental Assessment Agency | **Harry Vereecken** Forschungszentrum Jülich

Thursday, 6 June 2024

📅 Morning Session | 08:45 – 12:40 CEST

08:15 Registration and coffee

08:45 Welcome address by the organisers and the Chairs

Dieter Schäfer, Bayer Crop Science Division, Germany

Harry Vereecken, Forschungszentrum Jülich, Germany

The presentation slots include sufficient time for questions and answers.

Regulatory issues

09:00 (EC) No 1107/2009 – update and ongoing activities

- EU Regulatory updates
- Developments on guidance
- Other topics and ongoing projects

Mónica García Aguilar, European Commission, Belgium
(virtual presentation)

09:30 Harmonisation in the Central zone and interzonal developments

Joachim Dayteg, Austrian Agency for Health and Food Safety (AGES), Austria

10:00 Update on the GB Pesticides Regime

Claire Anderson, Health and Safety Executive, Chemicals Regulation Division (CRD), UK

10:30 Coffee break

11:00 Update from EFSA

- ECHA/EFSA guidance on drinking water treatment processes and identification of disinfection by-products and subsequent risk assessment
- Further upcoming activities

Chris Lythgo, European Food Safety Authority (EFSA), Italy
(virtual presentation)

11:40 The 2024 update of the SETAC working group on Spatially Distributed Leaching Models (SDLM)

- Progress report, spatial data incorporated in the system and technology
- First results and consequences for the FOCUS tiered approach

Aaldrik Tiktak, PBL Netherlands Environmental Assessment Agency, The Netherlands

12:10 Update on new hazard classes: PMT/vPvM (persistent, mobile and toxic and very persistent and very mobile) substances

Bernhard Jene, BASF, Germany

12:40 Lunch break

📅 Afternoon Session | 13:40 – 18:00 CEST

13:40 Northern zone update 2024

- News from the Northern zone
- Topics currently under discussion by Member States

Nadja Stadlinger, Swedish Chemicals Agency (KEMI), Sweden
(virtual presentation)

Risk mitigation

14:10 Considering precision agriculture in regulatory exposure assessments of pesticides – update on the European Precision Application Task Force (EUPAF)

Anne Alix, Corteva Agriscience, UK

14:40 Effectiveness of pesticide mitigation practices

Rafael Muñoz-Carpena, University of Florida, USA (virtual presentation)

15:10 Coffee break

15:50 Departure for the visit to Forschungszentrum Jülich (bus transfer)

Learn about state-of-the-art digital technologies for sustainable crop protection!



16:10 Arrival at Forschungszentrum Jülich and start of the programme at the Institutes

Institute IBG-2 Plant Science

- Digital Phenotyping
- KI in analysis of phenotypic data
- agriPV
- agroRobotics

Institute IGB-3 Agrosphere

- AgraSim – the soil-plant time machine
- Drones in agrosphere research
- Cosmic Ray technology
- The water monitor – public online tool access for everyone

Chair: Harry Vereecken, Forschungszentrum Jülich, Germany

18:00 End of the programme at the institutes:
Bus transfer back to the conference hotel and Dinner

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Information available online at:
www.akademie-fresenius.com/agro

Friday, 7 June 2024

 **Morning Session | 08:20 – 12:30 CEST**

08:20 Short address by the Chairs

Dieter Schäfer, Bayer Crop Science Division, Germany
Harry Vereecken, Forschungszentrum Jülich, Germany

08:30 Main achievements and discussions of the Southern zone Steering Committee in 2023/early 2024 and update of the national requirements working document on the work-sharing of the Southern Zone Member States under Regulation EC 1107/2009

Natalia Nogueira de Diego, Ministry of Agriculture, Fish and Food (MAPA), Spain (virtual presentation)

Environmental fate

09:00 Comparison of monitoring of pesticides in small stream in Europe and what it means for the authorisation

Marion Junghans, Swiss Centre for Applied Ecotoxicology, Switzerland

09:30 Soil monitoring of pesticides and putting findings into context

Vera Felix da Graca Silva, Wageningen University & Research (WUR), The Netherlands

10:00 Coffee break

10:30 Status of the OECD project “New Test Guideline to determine the uptake of chemicals by plant roots”

- Study design and efforts in drafting the guidelines on the PUF experiments
- Outcome from the OECD discussions

Marc Lamshöft, Bayer Crop Science Division, Germany

Exposure, risk assessment and risk management

11:00 Mandatory use of drift-reducing technology – benefits for plant protection management

Gertje Czub, German Federal Office of Consumer Protection and Food Safety (BVL), Germany

11:30 Some key elements for the environmental risk assessment (ERA) of non-target terrestrial organisms (NTTOs)

- Definition of exposure areas with potentially different specific protection goals
- Exposure routes and relevant exposure quantities
- Update on the AENEAS project on non-target arthropods
- Building blocks for EU environmental scenarios, for ERA of non-target organisms (EESA project)

Paulien Adriaanse, Wageningen University & Research (WUR), The Netherlands

12:00 Linking exposure and effects for off-crop non-target terrestrial organisms: Drifting into realism

- Drift interactions with vegetation/non-target organisms (NTOs) in the off-crop as a key element of improving the risk assessment
- Analysis, experiments, ideas and projects to support a meaningful link between exposure and effects for the non-target organism drift risk assessment

Rena Isemer, Bayer Crop Science Division, Germany

12:30 Lunch and end of the conference



Information available online at:
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Registration

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

Participation Fee:

€ 1,995.00 plus VAT

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.

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

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Do you have any questions?



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The Organisers

For 30 years, Akademie Fresenius has been your partner for practice-orientated training on all the latest topics surrounding the safety and quality of food, consumer goods and chemical products along the whole production chain. Our portfolio not only includes international conferences but also offers national trade meetings, intensive practical seminars and training in small work groups.

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Who should attend this conference?

Professionals working in the fields of:

- Environmental behaviour
- Field inspection
- Research & development
- Legal & regulatory affairs
- Registration
- Ecotoxicology
- Exposure & risk assessment
- Monitoring & computer modelling

Sectors that should take part:

- Agrochemical industry
- Research institutes from the area of agriculture, soil, hydrology and air
- Authorities (agricultural inspection offices, registration and control authorities)
- Water supply enterprises
- Professional associations

Conference Venue

Dorint Hotel Düren
Moltkestraße 35, 52351 Düren, Phone: +49 2421 4402-0
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From Cologne-Bonn Airport, you can reach the Dorint Hotel in Düren in less than one hour by direct train connection. There is also a direct train connection from Dusseldorf airport that takes just a little more than one hour. The hotel is located within walking distance from the train station in Düren.

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the event. Please note that you can name a substitute participant free of charge at any time.

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