



DIE AKADEMIE
FRESENIUS

Where experts meet!

17th International Fresenius AGRO Conference

BEHAVIOUR OF PESTICIDES IN AIR, SOIL AND WATER

22 and 23 June 2015
in Mainz/Germany

HIGHLIGHTS:

Regulatory issues

- Regulation (EC) No 1107/2009 update
- Development of Guidance Documents
- EFSA update on the developments in the fate area
- Harmonisation in the three zones
- A Canadian and Chinese regulatory perspective
- Comparative assessment of plant protection products

Environmental fate

- International Soil Modeling Consortium
- Nanopesticide research
- Long-term lessons on pesticide leaching

Exposure, risk assessment and mitigation

- US drinking water perspective
- SETAC EMAG-Pest (Environmental Monitoring Advisory Group on Pesticides) – harmonisation of groundwater monitoring
- PBT-assessment under different legislations
- MAgPIE – putting recommendations into practice

Updated
programme!



THE EXPERTS:

Anne Alix Dow AgroSciences | **Sabine Beulke** Fera | **Arnaud Boivin** French Agency for Food, Environmental and Occupational Health and Safety (ANSES) | **Colin Brown** University of York | **Mark Egsmose** European Food Safety Authority (EFSA) | **Herman Fontier** Belgian Federal Public Service (FPS) Health, Food Chain Safety and Environment | **Andreas Höllrigl-Rosta** German Federal Environment Agency (UBA) | **Natalie Hutzenlaub** Austrian Agency for Health and Food Safety (AGES) | **Bernhard Jene** BASF | **Mélanie Kah** University of Vienna | **Scott Kirby** Health Canada | **Kristis Kruskops** State Plant Protection Service of Latvia | **Volker Laabs** BASF | **Christopher Leake** Bayer CropScience | **Michael Leggett** ISK Biosciences | **Caren Rauer** UBA | **Annette E. Rosenbom** Geological Survey of Denmark and Greenland (GEUS) | **Andrea Schnepf** Forschungszentrum Jülich | **Chuanjing Tao** Chinese Ministry of Agriculture (ICAMA) | **Aaldrik Tiktak** PBL Netherlands Environmental Assessment Agency | **Wiebke Tüting** German Federal Office of Consumer Protection and Food Safety (BVL) | **Uta Ulrich** University of Kiel | **Harry Vereecken** Forschungszentrum Jülich

THE PROGRAMME

Get-Together on Sunday, 21 June 2015



Will you arrive on Sunday?
Come into the hotel bar at 8 p.m. and meet other participants and experts in a relaxed atmosphere.

Monday, 22 June 2015

8.30 Registration & coffee

9.00 **Welcoming speech by the organisers and the Chair**

Christopher Leake, Bayer CropScience, Germany

Regulatory issues

9.10 **Regulation (EC) No 1107/2009: an update on recent achievements and on-going activities**

- Analysis of approval/non-approval decisions of active substances in the last year
- Update on recently finalised and on-going projects (candidates for substitution, low risk substances, criteria for endocrine disrupting effects, minor uses,...)
- Overview of activities that still need to be initiated

Herman Fontier, Federal Public Service (FPS) Health, Food Chain Safety and Environment, Belgium

9.30 **Results from the project where the representativeness of the different Nordic groundwater exposure scenarios for the countries in the zone have been investigated – view from the Northern zone and possible further harmonisation of groundwater risk assessment**

Kristis Kruskops, State Plant Protection Service, Latvia

9.50 **Harmonisation of the Central zone core assessment section 5 and behaviour**

- Harmonisation issues within the Central zone for section 5
- Outcome of the first meeting on harmonisation of the Central zone core assessment for environmental fate
- Further steps planned

Natalie Hutzenlaub, Austrian Agency for Health and Food Safety (AGES), Austria

10.10 **Implementation of Guidance Documents and harmonisation – an update with view from the Southern zone**

Arnaud Boivin, Agency for Food, Environmental and Occupational Health and Safety (ANSES), France

10.30 Panel discussion

11.00 Coffee break

11.30 **EFSA update on the developments on EU guidance in the fate area**

Mark Egsmose, European Food Safety Authority (EFSA), Italy

11.50 **The EFSA Guidance Document for predicting environmental concentrations (PECs) in soil**

- The EFSA Guidance Document
- The exposure assessment procedure
- The description of canopy processes

Aaldrik Tiktak, PBL Netherlands Environmental Assessment Agency, The Netherlands

12.10 **Guidance on aged sorption for pesticides**

Sabine Beulke, Fera, UK

12.30 Panel discussion

13.00 Lunch

14.30 **Update on current Canadian activities related to the environmental assessment of pesticides**

- Pollinator protection
- Assessment of PBT chemicals
- Water modeling and aquaculture and direct application of pesticides to water
- Data requirements for the registration of chemicals and risk mitigation initiatives

Scott Kirby, Health Canada, Canada

14.50 **Risk assessment of pesticides and new regulations regarding pesticide authorisation in China**

- The new China pesticide regulation including requirements of health and environmental risk assessment
- Risk assessment tools on human health and environmental protection goals
- TOP-RICE, China-PEARL for groundwater and surface water
- Other environmental or ecological protection goals

Chuanjing Tao, Ministry of Agriculture (ICAMA), China

15.10 **Comparative assessment of plant protection products (PPP) – view from Germany**

Andreas Höllrigl-Rosta, Federal Environment Agency (UBA), Germany

15.30 Panel discussion

16.00 Coffee break

Environmental fate

Chair:

Harry Vereecken, Forschungszentrum Jülich, Germany

16.30 International Soil Modeling Consortium ISMC

- Modeling of soil processes as key to integrate process knowledge, to bridge scales, and to quantify soil ecosystem services
- Current challenges in soil modeling
- Motivation and objectives of the ISMC and activities of the ISMC

Andrea Schnepf, Forschungszentrum Jülich, Germany

16.50 Nanopesticides: state of knowledge and research priorities

- Nanopesticides research: types of products, relevance and trends
- Why may environmental fate be different from that of other pesticides?
- Future research and regulatory needs

Mélanie Kah, University of Vienna, Austria

17.10 Panel discussion

17.30 End of the first conference day

18.15 Departure time for the evening event



After the first conference day Akademie Fresenius would like to invite you to a leisurely evening in the Old Town of Mainz. After a guided tour, a joint dinner in the restaurant Heiliggeist will provide a great opportunity to deepen the contacts you made during the day.

Tuesday, 23 June 2015

8.30 Assessment of the environmental fate of the herbicides flufenacet and metazachlor with the SWAT Model

– Introduction of the SWAT model

- Results from field experiments at nested scales
- Simulation of selected herbicides at catchment scale
- Sensitivity analysis of the herbicide simulation

Uta Ulrich, University of Kiel, Germany

8.50 Long-term lessons on pesticide leaching obtained via the Danish Pesticide Leaching Assessment Programme

- Long-term leaching of degradation products of pesticides applied on potato crops cultivated in sandy soils
- Leaching of strongly sorbing pesticides after autumn application on clayey till soils
- Rapid preferential transport via e.g. wormholes minimising the retarding effects of the plow layer

Annette E. Rosenbom, Geological Survey of Denmark and Greenland (GEUS), Denmark

9.10 Panel discussion

9.30 Short break

Exposure, risk assessment and risk mitigation

Chair:

Colin Brown, University of York, UK

9.45 Estimation of exposure to residues in US drinking water and implications for risk assessment and risk communication

Michael Leggett, ISK Biosciences, USA

10.05 Harmonisation of groundwater monitoring for regulatory purposes – update from the SETAC EMAG-Pest groundwater group

- Developing a guidance on groundwater monitoring for regulatory purposes
- When should a groundwater study be triggered? What questions should it answer?
- How should a monitoring study be designed? Which are the best approaches for a targeted implementation in risk management?

Wiebke Tüting, Federal Office of Consumer Protection and Food Safety (BVL), Germany

10.25 Panel discussion

10.45 Coffee break

11.15 Challenges of the PBT-assessment under different legislations – a Member State's perspective

Caren Rauert, Federal Environment Agency (UBA), Germany

11.35 Challenges of the PBT-assessment under different legislations – the industry perspective

Bernhard Jene, BASF, Germany

11.55 Outcome from the MAGPIE workshops on environmental risk mitigation measures: regulatory context and proposals

- Objectives of the workshops
- Regulatory context and implications
- Overview of the risk mitigation toolbox and next steps

Anne Alix, Dow AgroSciences, UK

12.15 Putting the MAGPIE recommendations into practice: Blueprint for flexible risk mitigation at country level

Volker Laabs, BASF, Germany

12.35 Panel discussion

13.10 Lunch and end of the conference

THE EXPERTS

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Anne Alix is European Risk Management Leader at Dow AgroSciences. She has 15 years experience in risk assessment of PPP. Previously, she led the environmental fate and ecotoxicology unit at ANSES, then joined the French Ministry of Agriculture, Food, Fisheries, Rural Affairs and Spatial Planning.



Sabine Boulike is a Senior Environmental Scientist at Fera, UK with 20 years' experience of research into the behaviour of organic substances in the environment.



Arnaud Boivin is the Deputy Head of the Ecotoxicology and E-Fate Unit at the Regulated Products Directorate of ANSES. He joined ANSES in 2007 and he also used to work for INRA and USDA/ARS.

Colin Brown is Professor in Environmental Science at the University of York. He has 23 years experience of research into the fate and effects of organic contaminants in the environment.



Mark Egmose is a Senior Scientific Officer in EFSA's Pesticide Unit. He is actively involved in the revision of existing and development of new EU Guidance for Plant Protection Products.



Herman Fontier has been Leader of the Team Analysis, Residues and Toxicology of the Service Plant Protection Products and Fertilisers at the Belgian Federal Public Service Health, Food Chain Safety and Environment in Brussels since 2013. In 1987, he joined the Belgian Ministry of Agriculture. From 2008 to 2013, he worked with EFSA.

Andreas Höllrigl-Rosta works at the Federal Environment Agency in Dessau at the department of "Ecotoxicology/Integrated Ecosystem Assessment" in the section "Plant Protection Products". He is responsible for assessments of ecotoxicological effects and risks.



Natalie Hutzenlaub works for the Department of Environmental Behaviour and Integrative Pest Management in the Institute for Plant Protection Products at the Austrian Agency for Health and Food Safety (AGES) in Vienna.



Bernhard Jene is Environmental Scientist at BASF in Limburgerhof with more than 20 years of experience in the area of environmental fate and exposure modeling of pesticides (17 years in industry).



Mélanie Kah is Assistant Professor at the Department for Environmental Geosciences of the University of Vienna. Her research focusses on the fate of organic contaminants and their colloidal behaviour.



Scott Kirby has 13 years of experience in the environmental assessment of pesticides and is currently Director of Product Assessment in the Environmental Assessment Directorate of the Pest Management Regulatory Agency of Health Canada.



Kristis Kruskops works at the State Plant Protection Service of Latvia in Riga as an Environmental Fate and Ecotoxicology Risk Assessment Expert for PPP registration since 2010.



Volker Laabs has been with BASF for 7 years, working in the Global Sustainability & Product Stewardship Group as Water Expert. He has 16 years of experience in the area of environmental fate of pesticides.



Christopher Leake is an Environmental Safety Manager at Bayer CropScience responsible for the areas of environmental fate, ecotoxicology and risk assessment. He has over 30 years of experience in this area.



Michael Leggett is the former Senior Director of Environmental Policy for CropLife America where he was staff lead for North American Expert group on Drinking Water and Dietary Risk Assessment. He has recently joined ISK Biosciences as Vice President of Regulatory Affairs responsible for North America.



Caren Rauer works at the Federal Environment Agency in Dessau in the section "International Chemicals Management".



Annette E. Rosenbom is Senior Scientist at the Geological Survey of Denmark and Greenland in Copenhagen and has been affiliated with the Danish Pesticide Risk Assessment since 2005. Her emphasis is on development of monitoring- and numerical modeling-techniques.



Andrea Schnepf is Professor at the Institute of Crop Science and Resource Conservation (INRES) of the University of Bonn and Research Group Leader at the Institute Agrosphere at Forschungszentrum Jülich.



Chuanjing Tao has been working in the Institute for the Control of Agrochemicals at the Ministry of Agriculture (ICAMA) in Beijing since 1993, in the Residue Division, Health and Environment Division, and Health Division successively. His main job is to review pesticide registration dossiers and to develop risk assessment tools for environmental protection goals.



Aaldrik Tiktak is working as Senior Researcher Soil and Water at the Netherlands Environmental Assessment Agency in Bilthoven and is member of the EFSA PPR Panel. He is involved in policy evaluation and environmental risk assessment of pesticides.



Wiebke Tüting joined the Department of PPP at BVL in 2007. She is responsible for post-registration monitoring and risk management issues in the authorisation procedure of PPP. One of her main tasks is to develop risk mitigation measures for ground-water protection.



Uta Ulrich is Senior Scientist at the University of Kiel, Institute of Natural Resource Conservation. She has been working in the field of water quality, especially pesticides, with a focus on catchment scale processes.



Harry Vereecken is Professor and Director of the Institute Agrosphere within the Department of Biogeosciences at the Forschungszentrum Jülich.



WHOM DO YOU MEET?

Groups that should take part:

Managing directors, boards of directors, members of supervisory boards, managers and scientists 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

THE ORGANISERS

AKADEMIE FRESENIUS is a joint venture of SGS Institut Fresenius and COGNOS, one of the leading private educational institutes in Germany. Akademie Fresenius organises national and international conferences and congresses on current topics from the economic and scientific sectors for both specialists and the industry. You can find details on upcoming and new events at www.akademie-fresenius.com

SGS INSTITUT FRESENIUS conducts international projects with regard to the residues behaviour in crops, exposure for the applicant/farmer and development of genetically modified crops. Vast experience in analytical sciences and most recent analytical equipment is used to develop and validate methods relevant for the quality assessment of pesticide products and monitoring of the pesticide/metabolite residues at trace levels.

SGS INSTITUT FRESENIUS Agrochemicals Product Registration Services provides GLP compliant laboratory and field studies for the registration of agrochemicals, biocides and chemicals. www.institut-fresenius.de

TRADE EXHIBITION

Our conference provides you with the opportunity of presenting your company in a trade display. Present your products and services and reach out to your specific target groups. We would be happy to provide you with information on all the various options available – from displaying product information to an exhibition stand – with no further obligation on your part.

Use the attached fax reply sheet to request our information material. Or simply call us. We would be more than pleased to assist you personally.

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REGISTRATION

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DIE AKADEMIE
FRESENIUS

PARTICIPATION

Yes! I would like to take part in the 17th International Fresenius AGRO Conference „**Behaviour of Pesticides in Air, Soil and Water**“, **22 to 23 June 2015** in Mainz (near Frankfurt) /Germany. Fee: € 1,795.00 plus VAT.

Yes! I am a representative of an authority or a public university and therefore eligible for a reduced fee of € 795.00 plus VAT per person (please provide evidence). The reduced fee cannot be combined with other rebates.

I would like to take part in the **evening event on 22 June 2015** (included in the above price).

Yes

No

CONFERENCE DOCUMENTATION

No! Unfortunately, I am unable to attend. Please send me the complete conference documentation for € 295.00 plus VAT (hard copy and electronic version).

TRADE EXHIBITION

Yes! Please send me information on exhibition possibilities during the event.

TERMS OF PARTICIPATION AND PURCHASE

The registration fee includes the **conference participation, conference documentation, lunch, coffee breaks, conference beverages** as well as the **evening event** on 22 June 2015.

You will receive written confirmation of your registration. Upon receiving our invoice, please transfer the amount due without further deductions before the conference begins.

The price of the conference documentation includes a hard copy of the documentation as well as an access code to the secure Akademie Fresenius download area where you can download the complete conference documentation, including any subsequent updates, in electronic form – subject to the approval of the respective speakers. Both the documents and the secure access code will be dispatched around two weeks after the event and as soon as advance payment has been received.

GROUP REDUCTIONS

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

TERMS OF CANCELLATION

Written cancellations or transfers will be accepted free of charge up to four weeks prior to the start of the event. After this date and up to a week prior to the start of the event we will reimburse 50 % of the registration fee. We cannot, unfortunately, provide refunds for later cancellations. **Please note that you can name a substitute free of charge at any time.**

GENERAL TERMS AND CONDITIONS

By registering, you agree to our General Terms and Conditions as well as to our Privacy Policy. You can find our General Terms and Conditions on the internet (www.akademie-fresenius.de/general-terms) or receive them on request.

PERSONAL DATA

The Akademie Fresenius will keep your personal data for the purpose of organising this event. We will under no circumstances use your data for commercial trade purposes. In signing this form you consent to our occasionally contacting you by **mail, email, fax or phone (please strike through if unwanted)** in order to provide you with further information from our company. You can, of course, withdraw your consent whenever you wish. Further information can be found at: www.akademie-fresenius.com/dataprotection.

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VENUE/CONFERENCE HOTEL

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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 “**Fresenius**” as reference.