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7<sup>th</sup> International Akademie Fresenius Conference

# Worker, Operator, Bystander and Resident Exposure and Risk Assessment

+++ HYBRID EDITION +++

13 and 14 December 2022  
in Cologne/Germany  
and via Live Stream

## Highlights

### The new EFSA OPEX Guidance 2022

- Greenhouse scenario
- Dislodgeable Foliar Residues (DFR), Dissipation Time (DT50), Transfer Coefficient (TC)
- New online calculator

### Ongoing activities

- Seedtropex
- Seed treatment exposure assessment policy in the US
- Transition from hazard assessment to risk assessment in Brazil
- DFR meta-analysis
- Measured air concentrations of pesticides for the estimation of exposure to vapour

### Modern PPP application techniques

- International risk assessment and mitigation initiative on hand-held application
- 3-dimensional field data for bystander and resident exposure in orchards
- Drift regulation in Europe
- Trends in application techniques
- Roadmap for a partnership approach to improve operator and worker safety in Europe

### Challenges in risk assessment

- Challenges in human health risk assessment of PPP in the Northern zone
- Characteristics of the Central zone and first experience with the EFSA online calculator
- Southern zone perspective



## The Experts

**Imran Ali** Swedish Chemicals Agency (KEMI) | **Udo Blaschke** CropLife Europe/BASF | **Neil A. Byron** Exponent | **Agathi Charistou** Benaki Phytopathological Institute (BPI) | **Jeffrey L. Dawson** U.S. Environmental Protection Agency (EPA) | **Edgars Felkers** CropLife Europe/Bayer Crop Science Division | **Fédérique Istace** European Food Safety Authority (EFSA) | **Marc Kennedy** Fera Science | **Paolo Marucco** University of Torino (UNITO) | **Alistair Morriss** Blue Frog Scientific | **Ágnes Pálovics** Hungarian National Food Chain Safety Office (NEBIH) | **Enrico Peter** German Federal Institute for Risk Assessment (BfR) | **Dirk Rautmann** Julius Kühn-Institut (JKI) | **Olivier Sanvido** Swiss State Secretary for Economic Affairs (SECO) | **Anugrah Shaw** University of Maryland Eastern Shore | **Adriana Torres de Sousa Pottier** Brazilian National Health Regulatory Agency (ANVISA)

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# Tuesday, 13 December 2022

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

## Morning Session 10:00 – 12:50 CET

- 09:30 On-site registration & opening of the virtual meeting room
- 10:00 Welcoming speech by the organisers and the Chair  
Alistair Morriss, Blue Frog Scientific, UK

The presentation slots include sufficient time for questions and answers.

## The new EFSA OPEX Guidance 2022

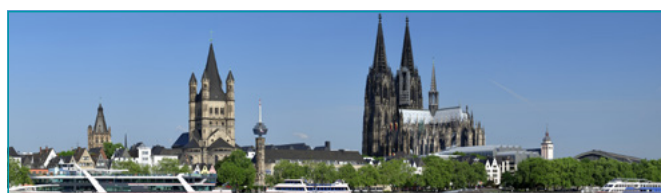
- 10:10 **The new EFSA OPEX Guidance 2022**
- Implementation of the greenhouse scenario for operators, workers, residents and bystanders
  - Review of crop and human parameters: DFR (dislodgeable foliar residues), DT50 (dissipation time), TC (transfer coefficient), inhalation rates, body surfaces
  - Development of a new online calculator with additional functionalities
- Frédérique Istace, European Food Safety Authority (EFSA), Italy (virtual presence)

## Ongoing activities

- 11:10 **Finalised, ongoing and future projects in the field of non-dietary exposure to pesticides – an updated feedback from academia**
- Thoughts to how the activities might be used in a regulatory context, i.e. alongside other, similar work
- Paolo Marucco, University of Torino (UNITO), Italy
- 11:45 **Coffee break**
- 12:15 **Seedtropex – update from the taskforce**
- Marc Kennedy, Fera Science, UK
- 12:50 **Lunch break**

## Afternoon Session 15:00 – 17:50 CET

- 15:00 **Update on the Brazilian perspective on pesticide occupational risk assessment**
- Adriana Torres de Sousa Pottier, Brazilian Health Regulatory Agency (ANVISA), Brazil (virtual presence)
- 15:35 **Update on seed treatment exposure assessment policy in the US**
- Updated ExpoSAC Policy January 2022
- Jeffrey L. Dawson, U.S. Environmental Protection Agency (EPA), USA
- 16:10 **Coffee break**
- 16:40 **Update on DFR meta-analysis**
- Udo Blaschke, CropLife Europe/BASF, Germany
- 17:15 **Measured air concentrations of pesticides for the estimation of exposure to vapour**
- Edgars Felkers, CropLife Europe/Bayer Crop Science Division, Germany
- 17:50 **End of the first conference day**
- 19:00 **Joint evening event**



After the first conference day you are most welcome to attend our evening event for an unhurried evening of good food and leisure time. Please join us to continue the day's interesting discussions in a relaxed and comfortable atmosphere.

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Information available online at:  
[www.akademie-fresenius.com/opex](http://www.akademie-fresenius.com/opex)

## Morning Session 10:00 – 12:35 CET

**10:00 Welcoming address and opening remarks by the Chair**

Neil A. Byron, Exponent, UK

## Modern PPP application techniques

**10:10 Field data for exposure of bystanders/residents towards spray drift during application of plant protection products in orchards**

- Evaluation of the existing dataset used in risk assessment for residents and bystanders
- Update of existing data, refinement options like the use of drift-reducing technology
- Initial experiments to gather data and preliminary results

Enrico Peter, German Federal Institute for Risk Assessment (BfR), Germany

**10:45 Roadmap for a partnership approach to improve operator and worker safety in Europe**

- Guidelines for risk mitigation (e.g. harmonised PPE recommendations for different spraying scenarios)
- Color-coding and consistent communication to farmers
- Constraints to the use of PPE

Olivier Sanvido, State Secretary for Economic Affairs SECO, Switzerland

**11:20 Coffee break**

**11:50 Drift regulation in Europe and trends in application techniques**

Dirk Rautmann, Julius Kühn-Institut (JKI), Germany

**12:35 Lunch break**

## Afternoon Session 14:00 – 16:20 CET

**14:00 An international risk assessment and mitigation initiative on hand-held application commonly used in low- and middle-income countries (LMIC)**

Anugrah Shaw, University of Maryland Eastern Shore, USA (virtual presence)

## Challenges in risk assessment

**14:35 Challenges in human health risk assessment of PPP in the Northern zone**

Imran Ali, Swedish Chemicals Agency (KEMI), Sweden

**15:10 Central zone perspective**

- Characteristics of the Central zone and first experiences with the EFSA Online Calculator, some special cases of risk mitigation

Ágnes Pálovics, National Food Chain Safety Office (NEBIH), Hungary

**15:45 Southern zone perspective**

Agathi Charistou, Benaki Phytopathological Institute (BPI), Greece

**16:20 End of the conference**

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

Reconnect with your network, meet 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!

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By email [registration@akademie-fresenius.com](mailto:registration@akademie-fresenius.com)

## Participation Fee:

**€ 1,895.00 plus VAT** on-site in Cologne

Representatives of an authority or a public university are eligible for a reduced fee of **€ 795.00 plus VAT** per person (please provide evidence). The reduced fee cannot be combined with other rebates.

**€ 995.00 plus VAT** Live Stream

Representatives of an authority or a public university are eligible for a reduced fee of **€ 495.00 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 more than 25 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.

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 attend this conference?

Professionals of the following sectors:

- Agrochemical industry
- Research institutes
- Authorities (agricultural inspection offices, registration and control authorities)
- Professional associations
- Contract laboratories

## Conference Venue

Park Inn by Radisson Köln City West  
Innere Kanalstraße 15  
50823 Köln  
Phone: +49 221 5701-0  
E-Mail: [info.colognecitywest@parkinn.com](mailto:info.colognecitywest@parkinn.com)  
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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 six weeks prior to the start of the event. Please book early and directly through the hotel quoting "Akademie Fresenius" as reference.

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