



International Scientific Conference on “Global commodity chains from a risk assessment perspective”

27.-29. May 2024, Berlin

International Scientific Conference on “Global commodity chains from a risk assessment perspective”

The conference will bring together national and international experts in feed and food chains, digitalisation and consumer health protection to exchange and transfer knowledge on concepts, data and tools for a holistic evaluation of risks in global commodity chains. The focus will be on innovative techniques and digital solutions to integrate data and knowledge about hazards, exposure and technologies for improved risk assessment along feed and food chains.

Sessions

- Guest perspective
- Setting the scene
- Traceability systems and commodity chain information
- Early warning, predictive models and prevention strategies
- Software solutions supporting outbreak investigations and risk assessments
- Innovative analytical approaches
- Data and knowledge integration
- Integrated food and feed systems
- Poster session
- Software fair

Programme

Monday, 27 May 2024

11:30–12:30 **Registration**
Lunch snack will be provided

Opening Ceremony

12:30–12:45 **Welcome and symposium opening**
Andreas Hensel,
President of the German Federal Institute for Risk Assessment (BfR),
Germany

Guest perspective

Session Chair: Benoît Vallet, Agence nationale de sécurité sanitaire de l'alimentation, de l'environnement et du travail (Anses), France

12:45–13:05 **From data to decision: Leveraging WGS as a tool for precision risk assessment along the food production chain up to consumption**
Laurent Guillier, Anses, France

13:05–13:25 **New approach for antimicrobial resistance monitoring & surveillance using NGS**
Hyochin Kim, National Institute of Food and Drug Safety Evaluation,
South Korea

13:25–13:55 **Coffee break**

Setting the scene

Session Chair: Carsten Fauhl-Hassek, BfR

13:55–14:25 **History of traceability and global regulatory systems**
Sylvain Charlebois, Dalhousie University, Canada

14:25–14:55 **What information do we need about European food chains to trace in outbreak investigations and to carry out risk assessments**
Olaf Mosbach-Schulz, European Food Safety Agency (EFSA), Italy

14:55–15:25 **The New Modernization of the U.S. FDA Human Foods Program**
Donald A. Prater, U.S. Food and Drug Administration (FDA), USA

15:25–15:55 **Coffee break**

Session I: Traceability systems and commodity chain information

Session Chair: Matthias Filter, BfR

15:55–16:20	Should traceability systems in the food industry be based on blockchain technology? Petter Olsen, Nofima, Norway
16:20–16:45	GS1 based standards and data ecosystems Tim Bartram, GS1, Germany
16:45–17:10	Using transport and logistics data for food safety and food security analysis Hanno Friedrich, Kühne Logistics University, Germany

Tuesday, 28 May 2024

Session II: Early warning, predictive models and prevention strategies

Session Chair: Marion Gottschald, BfR

09:00–09:25	The EU Alert and Cooperation Network: in (need of re-)shape? Jan Baele, European Commission, Belgium
09:25–09:50	ISAR – Assessing the impact of the Ukraine war on the agri-food chain Britta Müller, Bayerisches Landesamt für Gesundheit und Lebensmittelsicherheit, Germany
09:50–10:15	The importance of the moral compass in food fraud vulnerability: Business culture and personal integrity Saskia van Ruth, University College Dublin, Ireland
10:15–10:40	Enhancing Public Health: Harnessing the Power of AI in Ensuring Food Safety Maria Eleni Dimitrakopoulou, Agroknow, Greece
10:40–11:10	Coffee break

Session III: Software solutions supporting outbreak investigations and risk assessments

Session Chair: Anneluise Mader, BfR

11:10–11:35	Food Defense: more than secure supply chains Paul Elsinghorst, Bundeswehr Medical Academy, Germany
11:35–12:00	Interoperable software tools for efficient supply chain tracing during foodborne incident investigations Marion Gottschald, BfR, Germany Adam Friedlander, FDA, USA
12:00–12:25	Over Twenty years of International Foodborne Outbreak Data: How PAIFOD Continues to Support Activities Against Foodborne Illness in Canada Austyn Baumeister, Public Health Agency of Canada
12:25–14:00	Lunch break
14:00–15:30	Poster session and software fair
15:30–16:00	Coffee break

Session IV: Innovative analytical approaches

Session Chair: Janet Riedl, BfR

16:00–16:25	Global initiatives in the implementation of whole genome sequencing for food safety Eric Stevens, FDA, USA
16:25–16:50	Spectroscopic analysis for feed quality and safety control at site and in lab Vincent Baeten, Walloon Agricultural Research Center, Belgium
16:50–17:15	Routine detection and interpretation of anomalies using multivariate and non-targeted methods Eric Jamin, Eurofins Analytics, France
17:15–17:40	Innovations in the detection of unknown contaminants by non-targeted MS Chiara Dall'Asta, University of Parma, Italy
18:00	Evening Event

Wednesday, 29 May 2024

Session V: Data and Knowledge Integration

Session Chair: Marc Lorenzen, BfR

09:00–09:25	Prerequisites for data analysis and AI Ákos Józwiak, Digital Food Institute, Hungary
09:25–09:50	The RAKIP Initiative and it's solutions Matthias Filter, BfR, Germany
09:50–10:15	Towards AI-Driven Food science and society: Opportunities and challenges Tome Eftimov, Jozef Stefan Institute, Slovenia
10:15–10:45	Coffee break

Session VI: Integrated food and feed systems

Session Chair: Anja Buschulte, BfR

10:45–11:10	Risk Negotiation - Integrated Risk Analysis for One Health Sophia Johler, University of Zurich, Switzerland
11:10–11:35	FoodEx2: EFSA's food classification system and the Smart Coding App Anastasia Livaniou, EFSA, Italy
11:35–12:00	New advances in Risk Benefit Assessments Sara Pires, Technical University of Denmark, Denmark
12:00–12:15	Summary and final remarks

Organisational information

Venue

German Federal Institute for Risk Assessment
Lecture theatre
Diedersdorfer Weg 1,
12277 Berlin (Marienfelde)



Directions

<https://www.bfr-akademie.de/english/locations/marienfelde.html>
Destination stop (www.bahn.de, www.bvg.de):
"Nahmitzer Damm/Marienfelder Allee (Berlin)"

Organiser

German Federal Institute for Risk Assessment
Max-Dohrn-Straße 8-10
10589 Berlin, Germany
bfr.bund.de/en

Registration

The symposium will be held in English. After registration you will receive a payment request via email.

standard rate: 370 €
public institution of one of the German federal states: 280 €
institution within the BMEL's portfolio: 130 €
student: 125 €

Please register online by 19.05.2024 on
www.bfr-akademie.de/english/gwk2024.html

Abstract submission

Abstracts for poster session and software fair can be submitted until 30.04.2024 [here](#).

General contact

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About the BfR

The German Federal Institute for Risk Assessment (BfR) is a scientifically independent institution within the portfolio of the German Federal Ministry of Food and Agriculture (BMEL). It advises the Federal Government and the federal states ("Laender") on questions of food, chemicals and product safety. The BfR conducts its own research on topics that are closely linked to its assessment tasks.

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