



Advancing Exposure Science in Europe – today's results for a safer future

International Society of Exposure Science – Europe Chapter Workshop

19–21 March 2024, Berlin



Advancing Exposure Science in Europe – today's results for a safer future

Exposure science is essential to assess possible health or environmental risks in the different regulatory and non-regulatory frameworks. As all parts of our lives, exposure science has also been challenged in the recent years, e.g. by climate change, by growing industrialisation or by technical enhancements, especially connected to artificial intelligence. The 2024 annual workshop of ISES Europe will bring together scientists from all fields of exposure science (dietary exposure, occupational exposure, environmental exposure, consumer exposure, radiation exposure) to share new approaches and results addressing those challenges and contributing to today's results for a safer future.

Scientific Committee

Gerald Bachler

DuPont de Nemours (Belgium) B.V.B.A., BE

Alison Connolly

University College Dublin, IE

Marlene Dietz

Federal Institute for Occupational Safety and Health, DE

Darragh Doherty

University College Dublin, IE

Karen Galea

Institute of Occupational Medicine, GB

Henri Heussen

Cosanta BV - Stoffenmanager®, NL

Anna Jäger

German Federal Institute for Risk Assessment, DE

Anna Kolbaum

German Federal Institute for Risk Assessment, DE

Oliver Lindtner

German Federal Institute for Risk Assessment, DE

Urs Schlüter

Federal Institute for Occupational Safety and Health, DE

Andrea Spinazzè

University of Insubria, IT

Susana Viegas

NOVA University of Lisbon, PT

Maryam Zare Jeddi

Shell Nederland B.V., NL

Programme (subject to change)

Tuesday, 19 March 2024 (all presentations available to online attendees)

11:00–12:00 Registration, coffee morning for students and new researchers

12:00–12:30 **Welcome**
Matthias Greiner, head of the department Exposure,
German Federal Institute for Risk Assessment (BfR), DE
Urs Schlüter, Europe Regional Chapter of the International Society of
Exposure Science (ISES Europe), Federal Institute for Occupational Safety
and Health, DE

12:30–13:15 Chair: Urs Schlüter, Federal Institute for Occupational Safety and Health, DE
Exposure science in a circular economy. What are we circulating?
Paul Scheepers, President of ISES Europe, Radboud University, NL

13:15–13:45 Poster viewing and coffee break

13:45–15:00 Chair: Urs Schlüter, Federal Institute for Occupational Safety and Health, DE
The establishment of ISES Europe to future advancements I
**1. Advancing exposure science for integrated EU chemicals policies:
a framework for efficiency**
Yuri Bruinen de Bruin, German Federal Institute for Risk Assessment, DE
2. Data repositories and analytics
Marissa Kosnik, Eawag Swiss Federal Institute of Aquatic Science and
Technology, CH
**3. ECETOC workshop to elevate exposure science in chemical safety
assessment: outcomes and follow-up**
Jan Urbanus, on behalf of ECETOC

15:00–15:30 Poster viewing and coffee break

15:30–16:30 Chair: Oliver Lindtner, German Federal Institute for Risk Assessment, DE
The establishment of ISES Europe to future advancements II
4. Human biomonitoring
Maryam Zare Jeddi, Shell Global Solution B.V., NL
5. Exposure models
Urs Schlüter, Federal Institute for Occupational Safety and Health, DE
6. Education, training and communication
Alison Connolly, University College Dublin, IE

16:30–17:00 Chair: Karen Galea, Institute of Occupational Medicine, GB
Panel session – ISES Europe Q&A

17:00 onwards Get-together with snacks and drinks

17:30 onwards Student and New Researchers event
(walking tour in Berlin City Centre; meeting point: canteen entrance)

Wednesday, 20 March 2024

09:00–10:00 *available to online attendees*
Chair: Gerald Bachler, DuPont de Nemours (Belgium) B.V., BE
Keynote: Consumer exposure research for a targeted European chemicals regulation (REACH)
Astrid Heiland, German Federal Institute for Risk Assessment, DE

10:00–11:00 **Parallel guided poster tours**
P1: Food and dietary exposure and other exposure related topics
P2: Innovative technologies and monitoring
P3: Workplace, public spaces, airborne exposure

Parallel breakout sessions: ISES working groups (WGs), open to all
WG Exposure models
Chair: Urs Schlüter, Federal Institute for Occupational Safety and Health, DE
Room: Lecture theatre
WG Integrated Frameworks and Policy Efficiency
Chair: Jos Bessems, VITO Health N.V., BE
Room: D146

11:00–11:30 Poster viewing and coffee break

11:30–12:30 **Parallel oral presentations**
O1: Advances in exposure modelling I
Chair: Urs Schlüter, Federal Institute for Occupational Safety and Health, DE
Room: Lecture theatre
O2: New developments for mixture exposure assessment
Chair: Maryam Zare Jeddi, Shell International B.V., NL
Room: D146
O3: Progress in data generation for refined exposure assessments – Pesticides
Chair: Karen Galea, Institute of Occupational Medicine, GB
Room: D145

12:30–13:30 Lunch break and group photo

13:30–14:30 **Parallel guided poster tours**
P4: Food and dietary exposure
P5: Advances in exposure modelling I

Parallel breakout sessions: ISES working groups (WGs), open to all
WG Human Biomonitoring
Chair: Maryam Zare Jeddi, Shell International B.V., NL
Room: Lecture theatre
WG Data repositories and analytics
Chair: Marissa Kosnik, Eawag Swiss Federal Institute of Aquatic Science and Technology, CH
Room: D146

14:30–15:00	<p><i>available to online attendees</i></p> <p>ISES Europe Membership meeting, open to all</p> <p>Chair: Paul Scheepers, President of ISES Europe, Radboud University, NL</p> <p>The board of ISES Europe will present the work of the last years focusing on the new bylaws of ISES Europe (presented during a virtual membership meeting on January 24th 2024), the outcome for the board election (mid-January to beginning of February 2024) and the new board members.</p>
15:00–16:00	<p>Parallel guided poster tours</p> <p>P6: Progress in data generation for refined exposure assessments</p> <p>P7: Advances in exposure modelling II and New developments for mixture exposure assessment</p> <p>ISES working group (WG) breakout session, open to all</p> <p>WG Education, Training and Communication</p> <p>Chair: Alison Connolly, University College Dublin, IE</p> <p>Room: Lecture theatre</p>
16:00–16:30	Poster viewing and coffee break
16:30–17:30	<p>Parallel oral presentations</p> <p>O4: Advances in exposure modelling II</p> <p>Chair: Henri Heussen, Cosanta B.V. – Stoffenmanager, NL</p> <p>Room: Lecture theatre</p> <p>O5: Progress in data generation for refined exposure assessments – food and dietary exposure</p> <p>Chair: Oliver Lindtner, German Federal Institute for Risk Assessment, DE</p> <p>Room: D146</p> <p>O6: Other exposure related topics</p> <p>Chair: Gerald Bachler, DuPont de Nemours (Belgium) B.V, BE</p> <p>Room: D145</p>
17:30–18:30	<p>Parallel oral presentations</p> <p>O7: Advances in exposure modelling III</p> <p>Chair: Andrea Spinazzè, University of Insubria, IT</p> <p>Room: Lecture theatre</p> <p>O8: Human biomonitoring I – Data generation</p> <p>Chair: Alison Connolly, University College Dublin, IE</p> <p>Room: D146</p> <p>O9: Exposure at school and public spaces</p> <p>Chair: Susana Viegas, NOVA University of Lisbon, PT</p> <p>Room: D145</p>
19:00 onwards	<p>Conference dinner</p> <p>Participants will be picked up by buses. After a sight-seeing tour on the bus, everyone will be taken to the restaurant for dinner. Participants can also come to the restaurant on their own from 20:30.</p> <p>Restaurant: Dieselhaus, Forum an der Museumsinsel 10, 10117 Berlin</p>

Thursday, 21 March 2024

08:30–09:30

available to online attendees

Chair: Henri Heussen, Cosanta B.V. – Stoffenmanager, NL

Keynote: Assessing biological exposures in the omics era

Lidwien Smit, Professor of One Health and Environmental Epidemiology,
Institute for Risk Assessment Sciences (IRAS), Utrecht University, NL

09:30–10:30

Parallel oral presentations

O10: Workplace exposure

Chair: Karen Galea, Institute of Occupational Medicine, GB

Room: Lecture theatre

O11: Human biomonitoring II – Data generation

Chair: Maryam Zare Jeddi, Shell International B.V., NL

Room: D146

O12: Steps forward to reach informed aggregated exposure assessments

Chair: Christian Jung, German Federal Institute for Risk Assessment, DE

Room: D145

10:30–11:30

Poster viewing and coffee break

In parallel starting 10:45, open to all

**ISES working groups extending boundaries for exposure science:
collaboration for collective progress**

Chair: Paul Scheepers, President of ISES Europe, Radboud University, NL

Room: D146

11:30–12:10

available to online attendees

Chair: Matthias Greiner, German Federal Institute for Risk Assessment, DE

**Keynote: Strengthening data quality and exploring new data streams
to face future challenges in exposure assessment**

Bruno Dujardin, European Food Safety Authority (EFSA), IT

12:10–13:10

available to online attendees

Chair: Matthias Greiner, German Federal Institute for Risk Assessment, DE

Panel: Strengthening exposure science in legislation and policy

- Katleen Baert, European Commission's DG for Health and Food Safety, BE
 - Bruno Dujardin, Scientific officer for regulatory risk assessment of chemicals at European Food Safety Authority (EFSA), IT
 - Natalie von Götz, Swiss Federal Office of Public Health, project leader Swiss Health Study, CH
 - Alejandro Rodarte, FoodDrinkEurope, senior manager Food Safety, Research & Innovation, BE
 - NGO (TBC)
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13:10–13:30

available to online attendees

**Announcement of poster award winners for students and new researchers
Closing statements from BfR and ISES Europe**

Organisational information

Venue

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

Directions

Destination stop (www.bahn.de, www.bvg.de):
"Nahmitzer Damm/Marienfelder Allee (Berlin)"

Registration

The workshop is intended to be on-site in Berlin. For the plenary sessions only, a participation via web conference will be possible. No online participation for guided poster tours and parallel oral presentations. The link will be shared with the registered participants in due time.

Attendance in Berlin

- 440 € regular (350 € for ISES Europe members)
- 150 € students (120 € for ISES Europe members)

Online participation

- 100 € regular (80 € for ISES Europe members)
- 35 € students (30 € for ISES Europe members)

Please register online by 25.02.2024 on www.bfr-akademie.de/english/ises2024.html

Contact

BfR Academy
T +49 30 18412-22405
akademie@bfr.bund.de

Accommodation

There are hotel contingents blocked for you in the following hotels:

- [relexa hotel](#), Anhalter Str. 8–9, 10963 Berlin
reservierung.berlin@relexa-hotel.de
keyword "BfR 190324 – ISES Europe WS"
until February 6, 2024
- [NH Berlin Potsdamer Platz](#), Stresemannstr. 47, 10963 Berlin
reservierungen@nh-hotels.com
keyword "122403779 ISES Europe 2024"
until February 18, 2024
- [Ku'Damm 101 Hotel](#), Kurfürstendamm 101, 10711 Berlin
reservierung@kudamm101.com
keyword "ISES"
until February 19, 2024

Directions from the hotels to the venue

Organisers

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

Europe Regional Chapter of the International Society of Exposure Science (ISES Europe)
ises-europe.org/

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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