

Friday 22 February 2019

01:40 – 02:00 pm

Surplus food as animal feed: risks, benefits and uncertainties

Karen Luyckx, Global Feedback Ltd, United Kingdom

Topic V: Dialogues on uncertainty in an open society

02:00 – 02:30 pm Key lecture

Governing and communicating risks in a post-truth era

Piet Sellke, Ortwin Renn, Institute for Advanced Sustainability Studies, Germany

02:30 – 02:50 pm The multiplicity of possible analysis strategies and how it is handled across scientific disciplines

Sabine Hoffmann, Ludwig-Maximilians-Universität München, Germany

02:50 – 04:00 pm Coffee break and guided poster tour II

04:00 – 05:30 pm

Podium discussion and closing

Magda Osman, Queen Mary University of London, United Kingdom
Key speakers

Preconference workshops:

Registration for the [workshops](#) on Wednesday, February 20, is closed.

The get-together with drinks and snacks after the workshops at 05:30 pm is open for all conference participants.

Contact:

Matthias Greiner

uncertainty-conference@bfr.bund.de

Conference website

<http://www.efsa.europa.eu/en/events/event/190221>

Venue:

German Federal Institute for Risk Assessment (BfR)
Auditorium
Diedersdorfer Weg 1, 12277 Berlin (Marienfelde)

Directions:

www.bfr.bund.de/en/location-marienfelde.html
Destination stop (www.bahn.com, www.bvg.de/en)
“Nahmitzer Damm/Marienfelder Allee (Berlin)”

Registration:

The conference is free of charge. Please register online on the website of the BfR Academy.
<https://www.bfr-akademie.de/english/events/uncertainty-conference.html>

Registration deadline: February 10, 2019

Registration for the conference is closed due to capacity limitation.

Contact of local organiser:

BfR Academy
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Organiser:

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

European Food Safety Authority (EFSA)
Via Carlo Magno 1A
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Italy
www.efsa.europa.eu

GERMAN FEDERAL INSTITUTE FOR RISK ASSESSMENT

International Conference on Uncertainty in Risk Analysis

Challenges and Advances in Assessing, Managing and Communicating Uncertainty

February 20–22, 2019, Berlin



Final Programme



Bundesinstitut für Risikobewertung

Thursday 21 February 2019

09:00 – 09:15 am

Welcome addresses

Reiner Wittkowski, Federal Institute for Risk Assessment
Tobin Robinson, European Food Safety Authority

Topic I: Uncertainty from a cognitive science point of view

09:15 – 09:45 am Key lecture

The taming of uncertainty: How we make sense of chance by words and numbers

Karl H. Teigen, University of Oslo, Norway

09:45 – 10:05 am

Cognitive biases arise from conflating epistemic and aleatory uncertainty

Scott Ferson, University of Liverpool, United Kingdom

10:05 – 10:25 am

Using games to train or test our ability to express epistemic uncertainty

Ullrika Sahlin, Lund University, Sweden

10:25 – 11:00 am Coffee break and poster viewing

Topic II: Methods of uncertainty analysis

11:00 – 11:30 am Key lecture

Uncertainty with and beyond the data: approaches to deal with different types of unknowns

Zora Kovacic, University of Bergen, Norway

11:30 – 11:50 am

Application of Dempster-Shafer theory to estimate uncertainty and combine diverse sources of evidence in chemical risk assessment

James Rathman, Molecular Networks GmbH and Altamira, LLC, Germany

11:50 am – 12:10 pm

Uncertainty and variability in Bayesian inference for dietary risk: Listeria in RTE fish

Jukka Ranta, Finnish Food Authority, Finland

12:10 – 12:30 pm

APROBA-Plus: A probabilistic tool to evaluate and express uncertainty in hazard characterisation and exposure assessment of substances

Bas Bokkers, National Institute for Public Health and the Environment, The Netherlands

12:30 – 01:45 pm Lunch break

01:45 – 02:15 pm Key lecture

Uncertainty quantification in next generation risk assessment

John Paul Gosling, University of Leeds, United Kingdom

02:15 – 02:35 pm

Performance weighting and the IDEA Protocol for expert elicitation

Victoria Hemming, University of Melbourne, Australia

02:35 – 02:55 pm

Uncertainty assessment for interdependent parameters, exemplified by PBPK modelling for risk assessment

Natalie von Goetz, Swiss Federal Office of Public Health, Switzerland

02:55 – 03:15 pm

Managing uncertainty and variability when assessing beneficial source of iron brought by red meat consumption in France

Juliana De Oliveira Mota, National Institute of Agricultural Research, France

03:15 – 04:15 pm Coffee break and guided poster tour I

04:15 – 04:35 pm

Quantifying the bias of the viable cell enumeration process and its impact on microbial inactivation

Alberto Garre, Technical University of Cartagena, Spain

04:35 – 04:55 pm

How evidence-based methodology can contribute to uncertainty assessment

Sebastian Hoffmann, Johns Hopkins Bloomberg School of Public Health, USA

04:55 – 05:15 pm

Assessing the borderline range of prediction models: Method and implications for decision-making

Silke Gabbert, Wageningen University & Research, The Netherlands

05:15 – 05:35 pm

Characterisation of the conceptual model uncertainty in radioecology

Laura Urso, Federal Office for Radiation Protection, Germany

05:35 pm Dinner

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Topic III: Communication of uncertainties

09:00 – 09:30 am Key lecture

Uncertainties about the communication of uncertainties

Michael Siegrist, ETH Zurich, Switzerland

09:30 – 09:50 am

Communicating probability with natural frequencies and the equivalent binomial count

Scott Ferson, University of Liverpool, United Kingdom

09:50 – 10:20 am Key lecture

Representing and expressing uncertainties and risk in a scientific context

Terje Aven, University of Stavanger, Norway

10:20 – 10:55 am Coffee break and poster viewing

Topic IV: Accounting for uncertainty in decision making

10:55 – 11:25 am Key lecture

Reflections on framing and making decisions in the face of uncertainty

M. Granger Morgan, Carnegie Mellon University, USA

11:25 – 11:45 am

Scenario comprehensiveness in risk analysis

Edoardo Tosoni, Aalto University, Finland

11:45 am – 12:05 pm

Accounting for uncertainty under REACH registration versus authorisation decision making processes

Frederik Verdonck, ARCHE-Consulting, Belgium

12:05 – 12:25 pm

Uncertainty characterisation in Integrated Approaches to Testing and Assessment (IATA) for chemical risk assessment – mapping of available guidance and identification of gaps

Andrea Richarz, European Commission Joint Research Centre, Italy

12:25 – 01:40 pm Lunch break