



ISES Europe (Europe Regional Chapter of the International Society of Exposure Science)

Together, we build a European Exposure Science Strategy

Theoretical Background and Application of Occupational Exposure Models

ISES Europe Workshop, 20.10.2020

Agenda and Aims

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ISES Europe, Chair/Co-chair Working Group “Exposure Models”



Background

- ISES Europe WG Models established in 2018 after the 1. strategy workshop of ISES Europe
<https://ises-europe.org/working-groups>
- Aim: establish within the exposure science community a common understanding of use, documentation, validity and limitations of the models and tools for exposure assessment
- Currently working in several subgroups and on strategy paper → start of discussion around theoretical background of exposure models



ISES Europe strategy workshop, Ispra, Jan 2020
<https://ises-europe.org/events>



Agenda

When?	What?	Who?
11:00 – 11:15	Opening, logistics, agenda, aim of the workshop	Natalie von Goetz (BAG) Urs Schlueter (BAuA)
11:15 – 12:00	Concept of STOFFENMANAGER® and ART Source receptor modelling approach, including discussion	John Cherrie (HW)
12:00 – 12:45	Mass balance modelling approach, including discussion	Susan Arnold (UMN) Joonas Koivisto (ARCHE)
12:45 - 13:30	Lunch break	
13:30 – 14:15	Requirements for the validation of models, including discussion	Dorothea Koppisch (IFA)
14:15 – 15:00	Requirements for regulatory exposure modelling, including discussion	Celia Tanarro (ECHA)
15:00 – 16:00	Open discussion on exposure assessment modelling approaches	Natalie von Goetz (BAG)
16:00 – 16:15	Conclusions, wrap-up and closure	Urs Schlueter (BAuA)



Aims of the Workshop

- Contribute to a common understanding of the theoretical background of current models for occupational exposure assessment in regulation
- Identify main needs for model enhancement and possibly strategies for model development



Organisation

- 15 minutes presentations and 30 minutes discussion
- Overall discussion at the end
- Contributions for the discussion: Either (short) questions directly in the chat, or ask for the floor in the chat
- Terminology is not the main focus, and for this workshop is based on the circulated background paper



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ISES Europe Working Group Exposure models

- Workshop:
<https://ises-europe.org/article/workshop-theoretical-background-occupational-exposure-models>
- Background document:
<https://ises-europe.org/working-groups/exposure-models/document/public/background-document-workshop-theoretical-background>



Outcome, Dissemination and Publication

- The Workshop will be recorded
- Minutes will be prepared after the meeting and distributed to the workshop participants.
The list of participants will be part of the minutes of the workshop.
- Additionally to minutes, it will be important to disseminate the outcomes properly. Subsequently, we will consider a publication of the results of the workshop.



Open discussion



Key questions

- How can we promote validation exercises for models?
- How can we further develop exposure assessment for regulatory purpose?
- In which regulatory questions can we use exposure assessment models?
- What has to happen so that exposure assessment models are improved in the future?



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