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



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



 Currently working in several subgroups and on strategy paper → start of discussion around theoretical background of exposure models

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	John Cherrie (HW)
		receptor modelling approach, including discussion	
	12:00 – 12:45	Mass balance modelling approach,	Susan Arnold (UMN)
		including discussion	Joonas Koivisto (ARCHE)
	12:45 - 13:30	Lunch break	
	13:30 – 14:15	Requirements for the validation of models,	Dorothea Koppisch (IFA)
		including discussion	
	14:15 – 15:00	Requirements for regulatory exposure modelling,	Celia Tanarro (ECHA)
~		including discussion	
1	15:00 – 16:00	Open discussion on exposure assessment modelling	Natalie von Goetz (BAG)
		approaches	
C	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-backgroundoccupational-exposure-models

Background document:

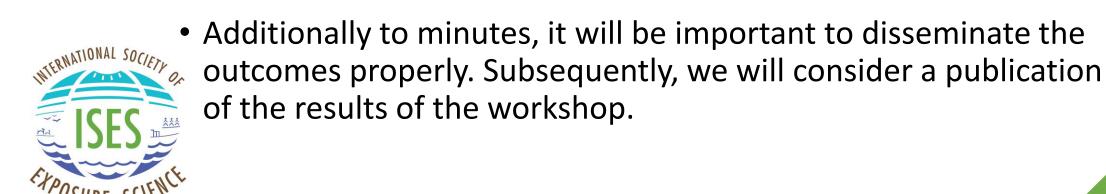
 https://ises-europe.org/working-groups/exposure-models/document/public/background-document-workshop-theoretical-background





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.



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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