WORKSHOP ON BAUA-RESEARCH PROJECT F2437

TOPIC 3: Project overview

Derivation of occupational exposure limits for airborne chemicals - Comparison of methods and protection levels

Eva Kaiser - FoBiG, Forschungs- und Beratungsinstitut Gefahrstoffe GmbH, www.fobig.de

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- This year w
anniversary

BAuA-Research Project “Derivation of OEL values”

- Project from 2018 – 2021
- Outcome: 10 separate reports
  - Final report with over 800 pages available at the BAuA website
  - Supplemental material

https://www.baua.de/EN/Tasks/Research/Research-projects/f2437.html

Derivation of occupatic chemicals - Compariso

Project number: F 2
Institution: Fec For
Status: On
Planned end: 202

Description:

The derivation and setting of the risk assessment and international processes. Or values is a current issue, be were yielded by occupation legislation on the other har

The objective of this projec the derivation of limit value this, distributions of single in the process of deriving li be determined on the basis common understanding of way to build a basis for a ha values in the EU.

In the following, interim res parties, in particular people the files used for processin for download.

Publications

Derivation of occupational exposure limits for airborne chemicals - Comparison of methods and protection levels

baua: Report

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Downloads

Supplementary files

Project F 2437 "Derivation of occupational exposure limits for airborne chemicals - Comparison of methods and protection levels"

(ZIP, 677 KB, Not barrier-free file)

→ TO THE DOWNLOAD

BAuA-Research Project F2437

- Project from 2018 – 2021
- Outcome: 10 separate reports
  - Synthesis report with over 800 pages available at the BAuA website
  - Supplementary material
- Two peer-reviewed articles published in „Journal of Applied Tocicology“, accepted in February 2022

Received: 11 November 2021 | Revised: 25 January 2022 | Accepted: 16 February 2022
DOI: 10.1002/jat.4307

Received: 11 November 2021 | Revised: 25 January 2022 | Accepted: 16 February 2022
DOI: 10.1002/jat.4305

RESEARCH

RESEARCH ARTICLE

Journal of Applied Toxicology WILEY

Derivat
method

Distributions for time, interspecies and intraspecies extrapolation for deriving occupational exposure limits

Klaus Schn

Marco Dilger[1] | Klaus Schneider[1] | Claudia Drossard[2] | Heidi Ott[2] | Eva Kaiser[1]

Publications

Derivation of occupational exposure limits for airborne chemicals - Comparison of methods and protection levels

baua: Report

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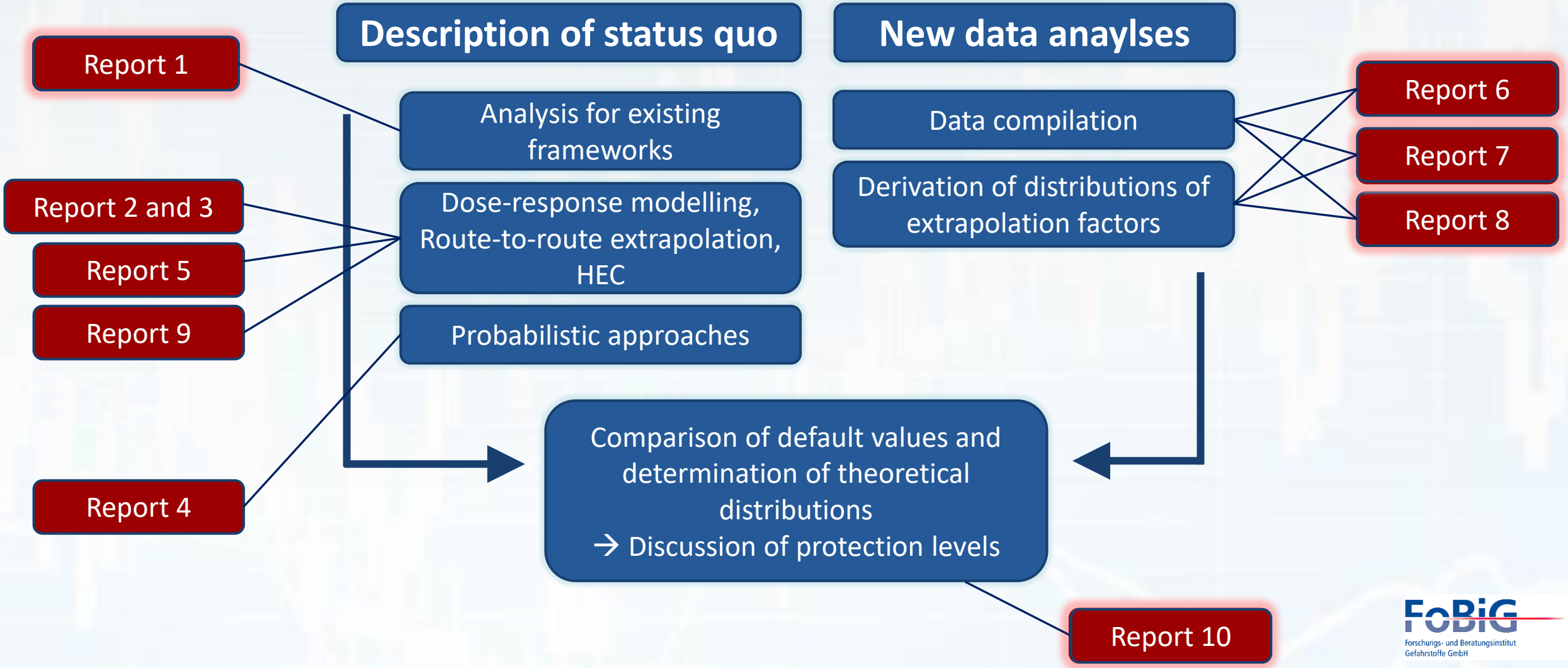
Project structure



Today‘s agenda

- TOPIC 4: Analysis of methods for deriving OELs
- TOPIC 5: Time and interspecies extrapolation (data evaluations and conclusions)
- TOPIC 6: Intraspecies extrapolation (data evaluations and conclusions)
- TOPIC 7: Discussion of protection levels, with examples
- TOPIC 8: Open questions and steps towards implementation
- TOPIC 9: Plenary discussion

Objectives of the project

- Need for harmonization of methodological approaches for OEL derivation
  - Understand the differences

    → TOPIC 4: Analysis of methods for deriving OELs

  - Create the means to compare

    → Create up-to-date distributions of assessment factors

    → Combine them by probabilistic methods

    → Analyse quantitative differences and protection levels

Who was involved in this project?

- BAuA:
  - Claudia Drossard
  - Heidi Ott
  - Thomas Gebel
- FoBiG
  - Klaus Schneider
  - Marco Dilger
  - Eva Kaiser
  - Fritz Kalberlah
- Advisory Board
  - Ulrike Bernauer, BfR
  - Annette Bitsch; Fraunhofer ITEM
  - Thomas Brüning, IPA
  - Rüdiger Bartsch, MAK Commission
  - Eberhard Nies, IFA
  - Brigitte Simon-Hettich, Merck, UAIII
  - Gisela Stropp, Bayer AG, UAIII
- Support from Werner Wosniok, University of Bremen
- Thanks to Elke Büdeker for her organisational support and to everybody who helped to realise this event

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