



## Ideas for sound and robust Exposure Assessment

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# Difficulties

## Description of workplace situation is complex:

- Variability of workplace situations
- Between-worker variability
- Influence factors on (dermal) exposure



# Exposure Assessment

Tiered approach

Information

Field Studies

Actual exposure

Potential exposure

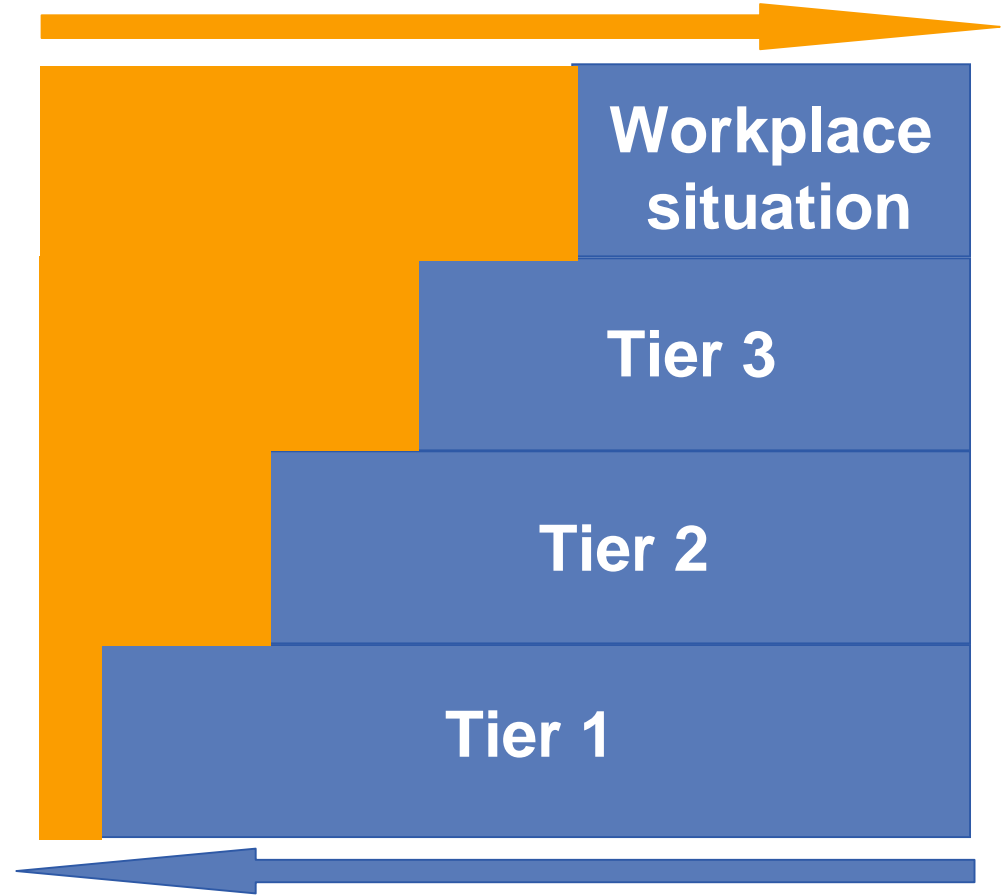
Workplace situation

Tier 3

Tier 2

Tier 1

Exposure (estimated)



# Scenario uncertainties

## Wood preservatives - automatic dipping

- Choice of model: vacuum pressure process or manual dipping?
- Which default values are reasonable?

### Ideas:

- Description of uncertainties
- Harmonisation process on default values

# Model uncertainties

## Example mathematical models

- Valid input variables
- Validation studies for models  
(overestimation/underestimation?)
- Distributions instead of discrete exposure levels  
(BEAT)



# Compliance

## Use of PPE...

... in compliance with label requirements/regulations?



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## Idea:

Experience exchange and  
harmonised concept

# Conclusions

- Exposure assessment is an approximation process (tiered approach)
- Being aware of scenario uncertainties and describe them (transparency of decisions)
- Validation of models and valid input parameters
- Harmonisation process for exposure assessment (defaults, compliance) → new TGD



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