



Introduction to the Risk Matrix as a prioritization tool for persistent and mobile substances

Timo Hamers, Vrije Universiteit Amsterdam, timo.hamers@vu.nl



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101036756.

Need for prioritization

- Need for better data to reduce uncertainty
- Need for measures to reduce exposure

RISK-BASED PRIORITIZATION FRAMEWORK

- Taking into account toxicological hazard and exposure
- Focus on human exposure through drinking water
- As part of a tiered approach



Goal

To develop a **risk-based prioritization** framework for substances qualified as **Persistent** and **Mobile**

- Taking into account toxicological hazard and exposure
- With a focus on human exposure through drinking water
- As part of a tiered approach

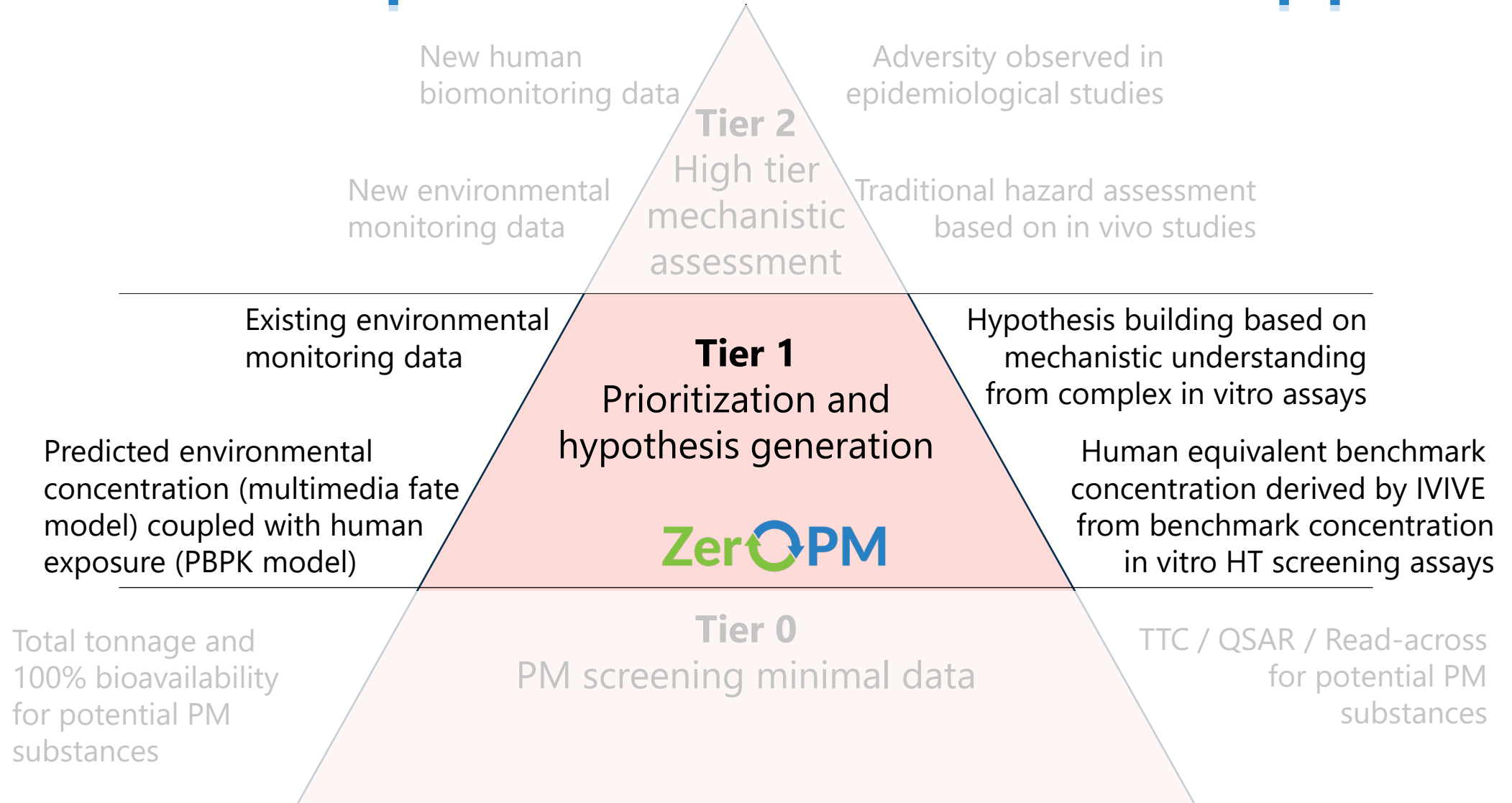
Starting points:

- Based on new-approach methodologies (NAMs)
- Outcomes to be visualized in a risk matrix

Risk-based prioritization ~ tiered approach

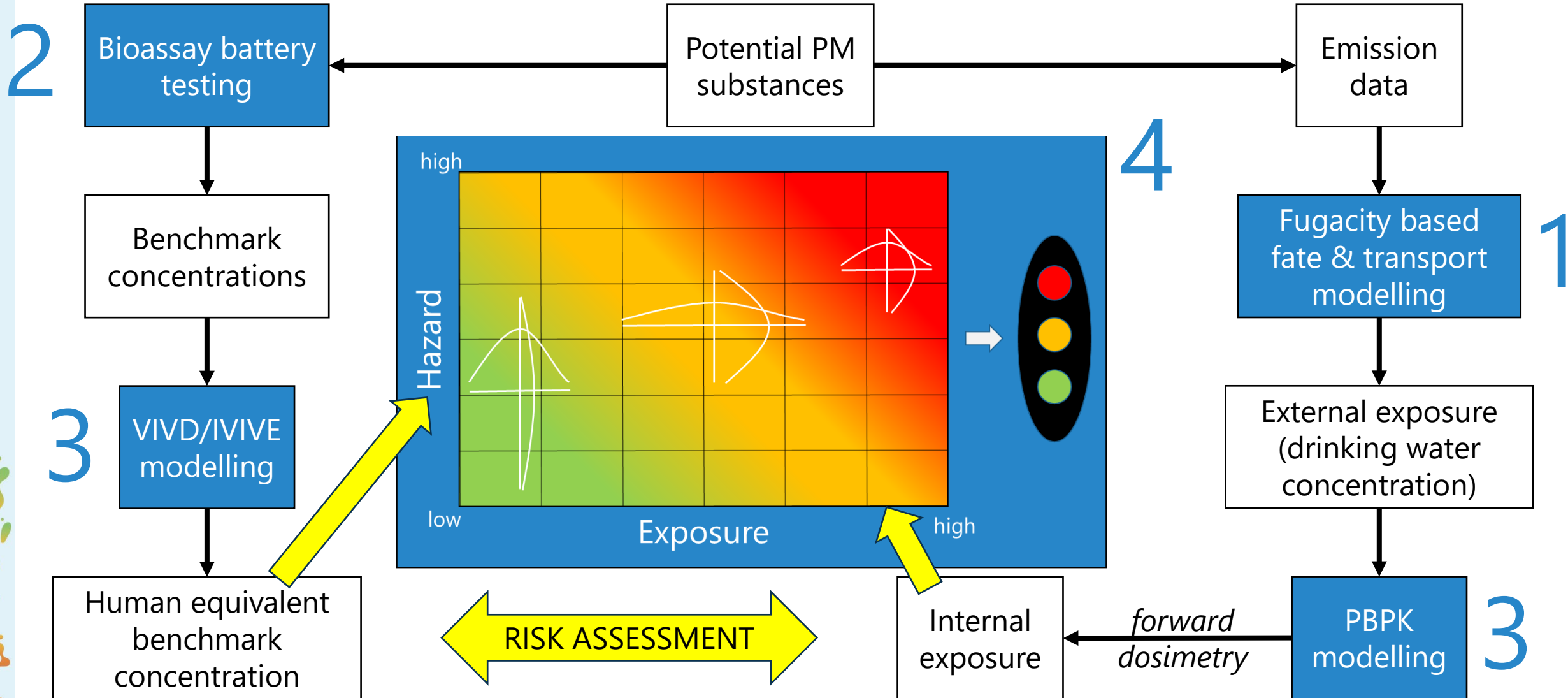
EXPOSURE

TOXICITY



Based on Gouin et al., submitted

Risk-based prioritization



Program day 2

09:15 KEYNOTE: A future chemicals regulation embracing ZeroPM

Elisabet Berggren, Joint Research Centre - European Commission

09:50 Introduction to the Risk Matrix as a prioritization tool for persistent and mobile substances

Timo Hamers, Vrije Universiteit Amsterdam

10:00 Application of a multimedia activity model for evaluating the fate of persistent and mobile substances in soil

Todd Gouin, TG Environmental Research

10:15 Hazard profiling of persistent and mobile substances using new approach methodologies

Maxim Carlier, Vrije Universiteit Amsterdam

10:30 Group concepts in toxicokinetics - Assessing the bioavailability of persistent and mobile substances using PBK modelling

Abishek Laxmanan Ravi Shankar, Fraunhofer Institute for Toxicology and Experimental Medicine

10:45 COFFEE BREAK

11:15 Results from the ZeroPM Risk Matrix approach - Integrating Hazard and Exposure

Sylvia Escher, Fraunhofer Institute for Toxicology and Experimental Medicine

11:30 Discussion Café 3: The ZeroPM approach towards risk-based prioritization

Moderator: Sarah Hale, German Water Centre

13:00 LUNCH



ZeroPM





This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101036756.