ECETOC & CEFIC LRI
2024 SCOPING MEETING

Proposals to be pitched at 2024 Scoping Meeting

We received 50 proposals on themes ranging from AI/Big Data and predictive (eco) toxicology to Exposure, Safe and Sustainable by Design, Neurotoxicity and immunotoxicity, Polymers... 16 were chosen by the Organising Committee to be pitched.

On day 1, these proposals will be presented by theme in slots of 4. On day 2, in-person participants will discuss these sessions (4 at the time) in breakout groups. Each participant will be able to join 2 breakout groups (so please mention your preferred themes when registering).

Breakout group 1: AI/Big Data, predictive toxicology

AI/Big Data

- Building the 3Is: An intelligent, integrative, and innovative assessment/testing strategy for the evaluation of chronic fish toxicity
- Development of a biotransformation database for a broad range of chemical structures
- Comparing quantitative uncertainty in traditional versus next generation risk assessment
- Support grouping approaches by high throuput test systems to characterise shared dynamic and toxicological properties

Breakout group 2: AI/Big Data, predictive toxicology and SSbD

AI/Big Data

- Cross-species extrapolation in regulatory hazard assessment
- Unlocking the Power of AI and Big Data for Enhanced Workplace Safety (Exposure and SSbD)

SSbD

- Adaptation of lean SSbD concepts to early research phases of industrial innovation
- Key Performance Indicators aimed to reverse the increasing transgression of the planetary boundary for new entities (including AI)

Breakout group 3: Exposure

- Development of a screening method for determination of sorption coefficients of very mobile substances **LRI**
- Validation ring test for procedures to determine type I NER (non-extractable-residues) **LRI**
- Closing the gaps of exposure assessment in a circular economy
- Evaluate the utility of an updated exposure model (the 'ERASM' model) for generating predicted environmental concentrations (PECs) for chemical risk assessment in the European Union

Breakout group 4: Advancing/adapting testing

Persistence

- Development, optimisation, and validation of methods to accommodate difficult to test substances in OECD simulation test guidelines for persistence evaluation **LRI**

Polymers

- Applicability of adopted test methods to polymers and a way forward
- Methods and descriptors for polymer bioavailability and bioaccumulation **LRI**

Neurotox/Immunotox

- Maximising the use of in vivo studies for the early assessment of immunotoxicity parameters – a brainstorming workshop