**USEtox® 2.0 – Characterization factors for human toxicity and freshwater ecotoxicity for new and updated substances, exposure pathways, and regions**

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**Indoor environments**
- Household and industrial indoor air compartments for 9 exposure settings
- Ventilation and adsorption considered
- Integration with rate constant matrix (fate)

**Freshwater ecotoxicity for metals**
- Generic freshwater ecotoxicity characterization for cationic metals
- Partitioning adjusted for truly dissolved fraction
- Based on parameterized freshwater archetypes

**Ionizing organic chemicals**
- Degree of ionization based on compartment/phase pH and pKa
- Speciation-specific partitioning in soil based on QSAR equations
- Integrated in modelling of environmental fate processes as input for rate constant matrix

**Exposure to pesticide residues**
- Human health impacts via exposure to pesticide residues in food crops
- 6 major crop archetypes with crop-specific data
- Integration with human Intake fraction matrix

**Sub-continent landscape data**
- Landscape datasets for 8 continental and 17 sub-continental regions
- Wind speed, rain, human population, human intake
- Applied as sensitivity study to default dataset

**New chemicals and updated data**
- Data and factors for new chemicals (pharmaceuticals, PAHs, triazoles, metals, ...)
- Updated soil half-lives for pesticides
- Small corrective updates of chemical and fate data

**User-friendly model interface and full documentation**
- Improved scenario definition interface
- New interactive user input interface
- Additional dynamic output graphs

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