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(he/him)

Areas of Expertise

- Ecotoxicology & Ecological Risk Assessment
- Natural Resource Damage Assessment
- Product Stewardship & Sustainability
- Emerging Contaminants

Services

- Ecological Risk & NRD
- Water Resources
- Sustainability Consulting
- Renewables
- Climate Science
- Environmental Risk Assessment

Education

- Ph.D., Bio-Engineering/Applied Biological Sciences, Ghent University, Belgium
- M.S., Bio-Engineering/Environmental Technology, Ghent University, Belgium
- B.A., Bio-Engineering/Environmental Technology, Ghent University, Belgium

Tim Verslycke, Ph.D.

Principal

Dr. Verslycke has 20 years of combined consulting and academic research experience in ecotoxicology and ecological risk assessment. His areas of expertise include ecotoxicology and ecological risk assessment; natural resource damage assessment; industrial and consumer product environmental safety assessment; and emerging contaminants. He has authored over 40 peer-reviewed journal articles and book chapters in these topic areas. Dr. Verslycke previously held an academic position in the Biology Department at the Woods Hole Oceanographic Institution (Woods Hole, MA). He previously served on the Steering Committee of SETAC's Global Endocrine Disrupter Testing and Risk Assessment Advisory Group and SETAC's Global Pharmaceutical Advisory Group. He also served on US EPA's Board of Scientific Counselors Safe and Sustainable Water Resources Subcommittee. He is a former president of the SETAC North Atlantic Chapter. He is also a former scientific advisor to the Center for Health and Environment of the Flanders Regional Government (Belgium) and a former member of the scientific committee of the Flanders Marine Institute (VLIZ, Belgium). He is a founding member and currently serves as president of the International Board of Environmental Risk Assessors (IBERA). IBERA established the first international certification program in ecological risk assessment.

Selected Projects

Site Ecological Risk Assessments: Conducted ecological risk assessments at numerous US and international contaminated sites.

Ecological Injury Assessment and Causation Analysis: Conducted ecological injury assessments and causation analyses for ecological receptors exposed to a variety of chemical and non-chemical stressors at different sites.

Environmental Stewardship: For global companies, evaluated the environmental safety of their products to support sustainability goals.

Pharmaceutical Environmental Risk Assessments: For pharmaceutical companies, evaluated the environmental risk of their new drugs to support market approval, compliant with either European (EMA) or US (FDA) guidelines. As part of several assessments, oversaw the collection of additional environmental fate and toxicity test data.

Emerging Contaminants: In the context of a wide variety of projects, provided consulting and expert support related to the environmental safety of various contaminants of emerging concern, such as endocrine disruptors, pharmaceuticals, 1,4-dioxane, PFAS, microplastics, etc.

Endocrine Disruptors: For companies, trade associations, and government (US EPA), provided technical expertise related to the topic of endocrine disruption.

Selected Publications

Mebane, CA; **Verslycke, T**, et al. 2019. "Scientific Integrity Issues in Environmental Toxicology and Chemistry: Improving Research Reproducibility, Credibility, and Transparency." *Integr. Environ. Assess. Manag.* 15(3): 320-344.

Wait, D; **Verslycke, T**. 2019. "Expert Insight: Uniform data quality ecotoxicity assessment." In *Natural Resource Damages: A Guide to Litigating and Resolving NRD Cases* (Eds: Israel, BD; Marston, B; Daniel, L), American Bar Association, Chicago, IL, p213-215.

Marty, MS; **Verslycke, T**, et al. 2017. "Population-relevant endpoints in the evaluation of endocrine-active substances (EAS) for ecotoxicological hazard and risk assessment." *Integr. Environ. Assess. Manag.* 13(2):317-330.

Verslycke, T, et al. 2016. "Human health risks of triclosan in land-applied biosolids." *Environ. Toxicol. Chem.* 35(9):2358-2367.

Verslycke, T, et al. D. 2014. "The Chemistry Scoring Index (CSI): A hazard-based scoring and ranking tool for chemicals and products used in the oil and gas industry." *Sustainability* 6:3993-4009.