

**Exposure Assessment Modelling Workshop**  
**Misty Hills**  
**Muldersdrift**  
**South Africa**  
**Sponsored by DSI**  
**Monday 20<sup>th</sup> November – Wednesday 22<sup>nd</sup> of November 2023**



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**Programme**

**Monday 20<sup>th</sup> November**

09h00 – 09h30	<b>Registration</b>
09h30 – 09h45	<b>Victor Wepener:</b> Welcome and Introduction
09h45 – 10h00	<b>Mary Gulumian:</b> Overall purpose of the workshop
10h00 – 10h30	<b>Mary Gulumian:</b> A summary of exposure assessment models for pesticides and nanomaterials
10h30 -11h00	<b>TEA/COFFEE</b>
11h00 – 12h00	<b>Elaine Faustman:</b> New Advances in Exposure Science: What does it mean for Toxicologists?
12h00 – 13h00	<b>Elaine Faustman:</b> Biomonitoring in Agricultural Communities: Using Exposome -Based Approaches/Exposure Models and Scenarios Implemented for Pesticides
13h00 – 14h00	<b>LUNCH</b>
14h00 – 15h00	<b>Daniel Masekameni:</b> Computational fluid-particle dynamics (CFPD) AND MPPD models for pesticides and nanomaterials
15h00 – 16h00	<b>Daniel Masekameni:</b> Hand on training on CFPD and MPPD
16h00 – 16h30	<b>Mary Gulumian:</b> MRLs and dietary exposure

16h30 – 17h00 **Charlene Andraos:** Hands on MRLs and PRIMo

### **Tuesday 21<sup>st</sup> November**

09h30 – 10h30 **Michael van der Laan:** Pesticide Water Calculator (PWC)

10h30 – 11h00 **TEA/COFFEE**

10h30 – 11h00 **Michael van der Laan:** Pesticide Water Calculator (PWC): Hands on training

11h00 – 12h00 **Patricia Forbes:** Atmospheric Model AGricultural DISPersal (AGDISP)  
pesticide spray drift mode

12h00 – 13h00 **Patricia Forbes:** Example of the work conducted for validation of AGDISP

13h00 – 14h00 **LUNCH**

14h00 – 15h00 **James Dabrowski:** Field-Scale to Catchment-Scale Pesticide Exposure  
Modelling: Regulatory and Monitoring Applications

15h00 – 16h00 **James Dabrowski:** Field-Scale to Catchment-Scale Pesticide Exposure  
Modelling: Examples

16h00 – 17h00 **Mar Gonzalez:** OECD Test Guidelines

### **Wednesday 22<sup>nd</sup> of November**

09h00 – 10h00 **Keld Alstrup Jensen:** Presentation on Nanotools

10h00 – 10h30 **Keld Alstrup Jensen:** hands on training on a specific tool

10h30 – 10h45 **TEA/COFFEE**

10h45 – 11h15 **Dimitra-Danai Varsou:** Enalos Cloud Platform and tools: Exposure,  
biokinetics and risk assessment of nanomaterials and materials

11h15 – 11h45 **Dimitra-Danai Varsou:** Hands on training on Enalos Cloud Platform and tools

11h45 – 12h15 **Dimitra-Danai Varsou:** Nanoinformatics approaches for safe by design  
nanomaterials to support sustainable agriculture.

12h15 – 13h15 **Mary Gulumian:** Introduction to Nanopesticides/Nanocarriers for delivery of  
pesticides

13h15 - 14h00 **LUNCH**

14h00 – 14h30 General discussion: Applicability of exposure assessment models to  
Nanopesticides/Nanocarriers for delivery of pesticides

14h30 – 15h00 **Victor Wepener:** Summary and closure