

Online Lectures and Recordings on Aquatic Effect Assessment of plant protection products

Online lectures are part of an on campus course, dates: 7-9 March 2023.

Attend online lectures via a MS Teams link. Recordings can be watched afterwards via MS Teams as well.

| Day 1 - Tuesday 7 March 2023 - Central European Time | | |
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| | INTRODUCTION | MS Teams link-1 |
| 09.00 – 09.30 | Welcome and introduction to the course | <i>Sara Ahrari, Gertie Arts</i> |
| 09.30 – 10.15 | Ecological and regulatory context of prospective ERA and protecting aquatic biodiversity | <i>Theo Brock</i> |
| 10.15 – 10.30 | B r e a k | |
| 10.30 – 11.00 | Problem formulation and the tiered approach in the aquatic risk assessment for pesticides | <i>Theo Brock</i> |
| 11.00 – 11.30 | Role of exposure assessment in risk assessment for organisms | <i>Louise Wipfler</i> |
| 11.30 – 11.45 | B r e a k | |
| | TIER 1 AND TIER 2 | |
| 11.45 – 12.30 | Lecture: Effect assessment based on toxicity tests with standard species (Tier 1) including risk assessment for Biopesticides MS Teams link-1 | <i>Gertie Arts</i> |
| 12.30 – 14.30 | B r e a k / <i>In class activities only</i> | |
| 14.30 – 15.30 | Effect assessment based on standard and additional test species (Tier 2A and 2B) MS Teams link-2 | <i>Theo Brock</i> |
| 15.30 – 17.00 | B r e a k / <i>In class activities only</i> | |
| | TIER 3 Micro- and mesocosm studies | |
| 17.00 – 18.00 | Current experimental practice in micro- and mesocosm studies: Test system, test design, sampling methods MS Teams link-3 | <i>Ivo Roessink</i> |
| 18.00 | End of day 1 | |

| Day 2 – Wednesday 8 March 2023 – Central European Time | | |
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| | Continuation TIER 3: Micro- and mesocosm studies | |
| 09.00 – 9.45 | B r e a k / <i>In class activities only</i> | |
| 09.45 – 10.30 | Statistical analysis of microcosm and mesocosm studies MS Teams link-4 | <i>Udo Hommen, Ivo Roessink</i> |
| 11.00 – 11.45 | Effect classification, study evaluation and RAC derivation for microcosm and mesocosm studies MS Teams link-4 | <i>Udo Hommen, Ivo Roessink</i> |
| 11.45 – 14.00 | B r e a k / <i>In class activities only</i> | |
| | Mixture toxicity and cumulative risk assessment | |
| 14.00 – 14.45 | Mixture toxicity and cumulative risk assessment in regulatory ERA MS Teams link-5 | <i>Theo Brock</i> |
| 14.45 – 16.00 | B r e a k / <i>In class activities only</i> | |
| 16.00 – 17.00 | Calibrating the tiered effect assessment approach MS Teams link-6 | <i>Theo Brock</i> |
| 17.00 | End of day 2 / <i>In class activities only</i> | |

| Day 3 – Thursday 9 March 2023 – Central European Time | | |
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| | Modelling approaches in ecological risk assessment | |
| 09.00 – 10.00 | Refined exposure testing and TK/TD modelling (Tier 2C) MS Teams link-7 | <i>Bas Buddendorf, Jan Baas</i> |
| 10.00 – 12.00 | B r e a k / <i>In class activities only</i> | |
| 12.00 – 12.45 | Outlook: Population modelling and landscape level risk assessment MS Teams link-8 | <i>Bas Buddendorf, Jan Baas</i> |
| 12.45 | End of online course program | |

Course instructors

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| Ms Sara Ahrari – Doeleman MSc | Wageningen Environmental Research |
| Dr G.H.P (Gertie) Arts | Wageningen Environmental Research |
| Dr J. (Jan) Baas | Wageningen Environmental Research |
| Dr T.C.M. (Theo) Brock | Wageningen Environmental Research |
| Dr B. (Bas) Buddendorf | Wageningen Environmental Research |
| Dr. U. (Udo) Hommen | Fraunhofer Institute for Molecular Biology and Applied Ecology IME |
| Dr I. (Ivo) Roessink | Wageningen Environmental Research |
| Dr E.L. (Louise) Wipfler | Wageningen Environmental Research |

Programme coordination and management

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| Janine Quist MSc | Wageningen Academy |
| Linda Overeem | Wageningen Academy |