

## Workshop: Towards policy-relevant research on pesticides

### PROGRAMME 23.10.2024

08:45 09:00 *Welcome coffee and Introduction to the Workshop*

#### 09:00 - 10:30 **Keynote Session (30 min talk, 15 min discussion each)**

Jörn Wogram (Umweltbundesamt)	Unsolved Problems in the Assessment and Management of Environmental Risks of Pesticides – Research Tasks not only for the Natural Sciences
Mark Winter (Industrieverband Agrar)	Sustainable crop production: managing the needs of productivity, environmental safety and agronomic reality

10:30 - 11:00 *Coffee Break*

#### 11:00 - 11:30 **Lecture Session 1**

Juergen Groeneveld, Marie Uksa, Martin von Bergen, Lukas Y. Wick	Pesticides in the landscape - lessons from insect pollinators and remote sensing
Frank Hüesker	Political Life of Pesticides

#### 11:30 12:00 **Pitches (1 Minute / 1 Slide) each:**

Olaf Buettner	Seamless forward assessment of toxic risks in river networks for mixtures of chemicals originating from wastewater treatment plant effluents
Jonas Groening	Partitioning and ecotoxicological effects of pyrethroid insecticides in German small streams
Leonie Martha Schweiger & Marco Foit	An open, digital platform for the spatial visualization of predicted pesticide concentrations and their effects
Alina Kindinger	A novel Land Use Intensity Index for Streams (LUIS) for the prediction of agriculture impacts of nutrients and pesticides on ecosystem functioning
Yiqing Zhang	Meter-Scale Spatial Heterogeneity Shapes Residual Pesticide Concentrations and Potential Risk in an Agricultural Field
Mechthild Schmitt-Jansen	To shift or not to shift: the role of pesticides in regime shifts of shallow aquatic systems under climate warming
Thomas Reitz	Effects of herbicides on structure and functioning on the soil microbiome
Victor Alfonso Castaneda- Monsalve & Nico Jehmlich	Impact of pesticide on gut microbiome
Tobias Polte	Maternal exposure of mice to glyphosate induces depression- and anxiety-like behavior in the offspring via alterations of the gut-brain axis
Gunda Herberth	Pesticides' effects on human health and immune system
Sebastian Canzler	Harvesting public omics data: a novel approach for chemical grouping
Till Luckenbach	The amphipod <i>Gammarus pulex</i> thrives in polluted habitats but genetic diversity is affected
Stefan Scholz	Assessment of Pesticides using a zebrafish high content screening approach
Nadia Katherine Herold	Multi-behavioral fingerprints in larval zebrafish can identify the mode of action for neuroactive pesticides

12:00 13:00 *Lunch Break at KUBUS*

#### 13:00 - 13:15 **Lecture Session 2**

Matthias Liess	Fiction, Reality and the Way Forward in Pesticide Risk Assessment
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13:15 14:45 *World Café with coffee*