

# Modernizing assessment of persistence and transformation products of chemicals – from new tools to implementation

**23 - 24 October 2025**

Helmholtz Centre for Environmental Research – UFZ, Permoserstrasse 15, Leipzig, Germany

**Background:** Sustainable chemicals must neither be persistent nor form persistent transformation products, but chemical innovation outstrips current testing capacities. New tools are needed to cope with hundreds of thousands of chemicals produced and with their transformation products. This includes both, high-throughput testing and predictive tools.

This workshop brings together industry, academia, regulatory authorities, and policy makers to discuss the major challenges on the way forward to modernizing the assessment of persistence and transformation products of chemicals.

## Objectives

- Exchange on existing strategies and remaining challenges in modelling and high-throughput testing of chemical persistence and formation of transformation products
- Elaborate how existing data can be made readily available to feed prediction tools
- Exchange on requirements for industrial implementation and regulatory acceptance
- Elaborate the way forward in testing and modelling.

## Workshop Structure:

### Day 1: 23rd of October (full day)

Welcome & Introduction  
Keynotes  
Lunch break  
Breakout groups  
Reporting back

Dinner in City Centre

### Day 2: 24th of October (half day)

Introduction  
Keynote  
Breakout groups  
Plenary discussion  
Closing

## Keynotes

| Data quality  | High-throughput testing   | Prediction   | Acceptance  |
|---|---|--|---|
|  |  |  |  |
| Hans Peter<br>Arp   | Russell<br>Davenport  | Kathrin<br>Fenner  | Chris<br>Hughes   |

## Registration:

Attendance is free of charge. Please register at:

<https://events.hifis.net/event/3026/>

until 3rd October 2025.

The number of participants is limited to allow effective exchange. Therefore we kindly ask you to register as soon as possible.

Limited slots for short impulse presentations are available during breakout sessions.

For further information contact: [analytik@ufz.de](mailto:analytik@ufz.de)

On behalf of the organizers Thorsten Reemtsma, Daniel Zahn, and Kathrin Fenner