

## A challenge for analytical chemistry and water quality control

**21 – 22 January 2020, Leipzig, Germany**

### About PMT substances

Persistent and (very polar) Mobile substances (PM substances) are a potential threat to water quality. Neither biodegradation nor sorption removes such compounds from water. This is particularly critical if the substances are also toxic (PMT substances).

### Aims

- Highlighting the present state of analytical methods to determine PM chemicals
- Collect knowledge on the occurrence of PM(T) chemicals, from wastewater to drinking water
- Elaborating the obstacles and shortcomings in the different fields of research on PM chemicals
- Proposing strategies to improve knowledge on PM chemicals

### About the workshop

The proposed workshop wants to foster the scientific development in order to improve our abilities to evaluate the significance of PM (PMT) substances for water quality, wastewater reuse and drinking water supply.

### Topics of Interest

- Recent analytical developments and unexplored options for highly polar compounds
- Ongoing monitoring and screening activities for PM compounds
- Toxicity and ecotoxicity of PM compounds
- Assessment of persistence, mobility and precursors of PM substances
- Consequences for (waste) water treatment and wastewater reuse

Researchers, practitioners and further stakeholders involved in water quality monitoring, and water treatment and control from national and EU level are cordially invited to share their knowledge on PM(T) substances, elaborate how to close knowledge gaps and how the discharge of PM(T) substances can be reduced.

**Abstract Submission:** expected until 30 Nov 2019

**Registration:** now open

**More Information:** <https://www.ufz.de/protect>

<https://conference.ufz.de/frontend/index.php?sub=155>

### Workshop Structure

21 January 2020

#### Morning:

Invited speakers presentations:

- Pim de Vogt (KWR): PM compounds in water treatment (preliminary title)
- Hans Peter Arp (NGI): Establishing and assessing criteria for P and M (preliminary title)
- Urs Berger: (UFZ) Analysis and Occurrence of PM compounds (preliminary title)

Oral presentations selected from submissions

Lunch

#### Afternoon:

Further oral presentations selected from submissions

Poster Social

**Evening:** Dinner

22 January 2020

#### Morning: Discussion in break-out groups (proposed)

- Detection of PM compounds (monitoring and screening level)
- PM findings and knowledge on occurrence
- Persistency: data quality and test methods
- Mobility: suitable parameters and options for verification
- Toxicity and ecotoxicity of PM substances
- Removal options for PM substances from water

Reporting back

Synthesis: How big is the problem of PMT substances?

Which steps to take next?

Closure



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