



EMPEREST-Training materials

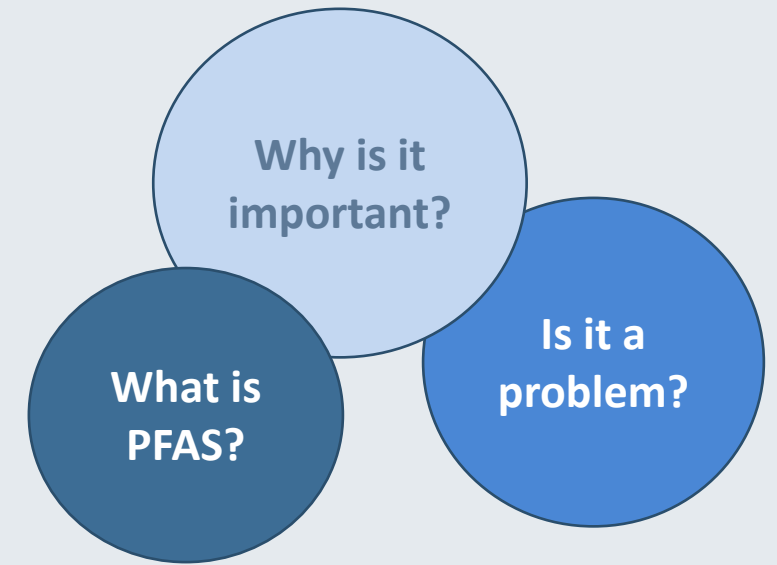
UBC Talk 25.03.2025

*Introducing new era of toxic-free
water cycle*



Training materials

To build capacities of water utilities and cities



- PFAS is a new Topic
- To effectively address the PFAS issue and implement solutions successfully, raising awareness among stakeholders is essential!
- Development of tailored training materials and tools for our target groups
- Responsible Partner: Technical University of Berlin

Training package

Tailor-made content

- Videos of expert presentations and interviews from EMPEREST-Workshops and Events
- Short version 5-6 Min
- Full presentations
- Explanatory concise texts
- Additional links for more information
- Local languages



Training material

Topics and structure

- ☐ Intro to PFAS
- ☐ Environmental Monitoring
- ☐ PFAS risk assessment
- ☐ PFAS and other micropollutants removal in wastewater treatment
- ☐ EMPEREST Pilot Plant solutions

Training material

Topics and structure

- ☐ Intro to PFAS
- ☐ Environmental Monitoring
- ☐ PFAS risk assessment
- ☐ PFAS and other micropollutants removal in wastewater treatment
- ☐ EMPEREST Pilot Plant solutions

- Production and use of PFAS
- PFAS release into the environment
- Emerging health and environmental concerns
- PFAS chemical properties

Training material

Topics and structure

- Intro to PFAS
- Environmental Monitoring
- PFAS risk assessment
- PFAS and other micropollutants removal in wastewater treatment
- EMPEREST Pilot Plant solutions

- Environmental fate and occurrence
- Sampling
- Analytical methods for PFAS determination

Training material

Topics and structure

- ❑ Intro to PFAS
- ❑ Environmental Monitoring
- ❑ PFAS risk assessment
- ❑ PFAS and other micropollutants removal in wastewater treatment
- ❑ EMPEREST Pilot Plant solutions

- Introduction to risk assessment
- PFAS risk assessment plan from EMPEREST
- Regional and national policies, regulation

Training material

Topics and structure

- ❑ Intro to PFAS
- ❑ Environmental Monitoring
- ❑ PFAS risk assessment
- ❑ PFAS and other micropollutants removal in wastewater treatment
- ❑ EMPEREST Pilot plant solutions

- PFAS in wastewater
- Advanced treatment technologies for removal PFAS and other micropollutants

Training material

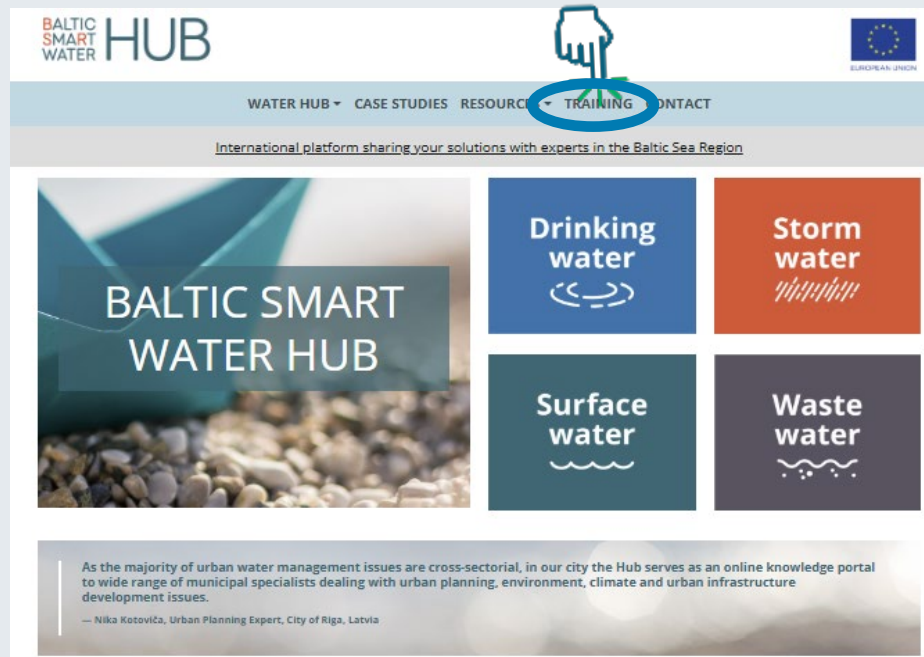
Topics and structure

- ❑ Intro to PFAS
- ❑ Environmental Monitoring
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- ❑ EMPEREST Pilot plant solutions

- Technology, operation and results of EMPEREST pilots for PFAS and other micropollutants removal

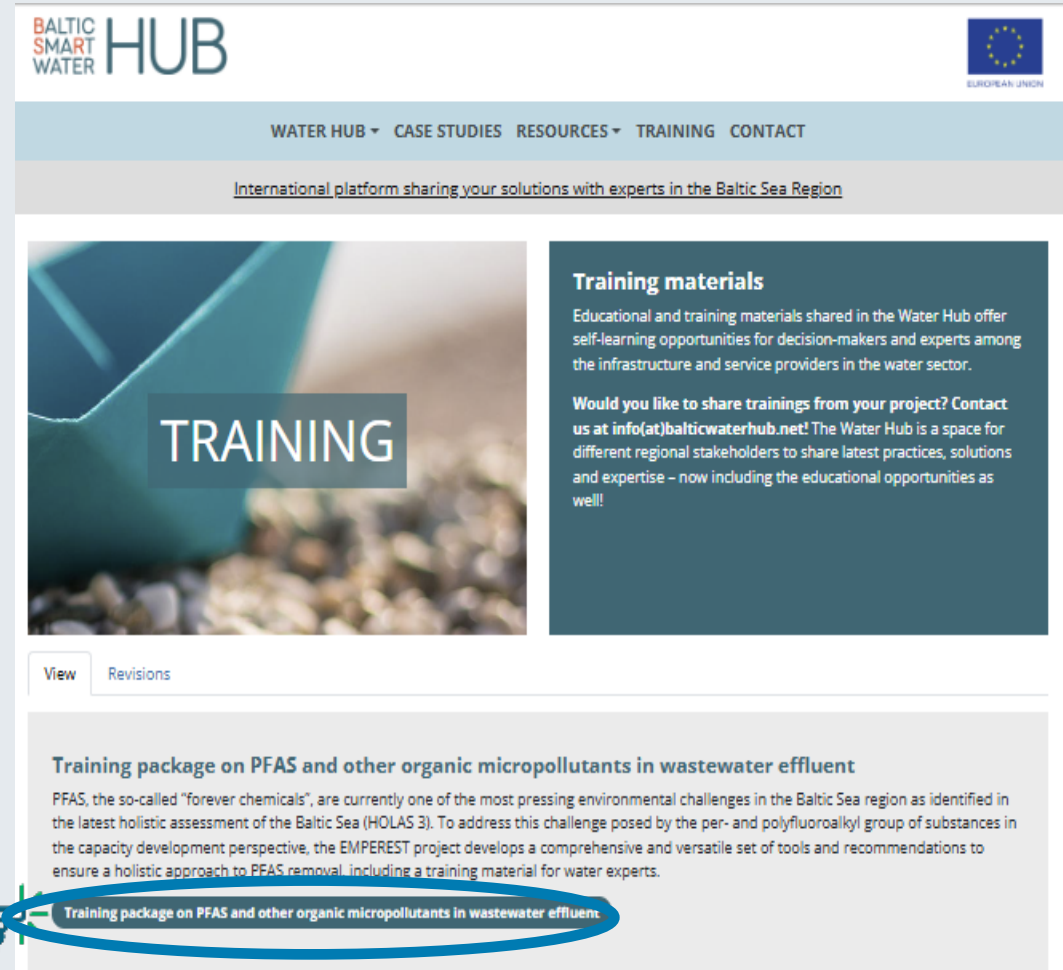
Training package

On Baltic Smart Water Hub



www.balticwaterhub.net

25.03.2025 UBC Talk
Vanessa Ingold DWA-LV North-East

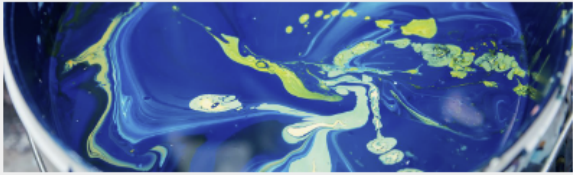


Training package available on Baltic Smart Water Hub



[WATER HUB](#) ▾ [CASE STUDIES](#) [RESOURCES](#) ▾ [TRAINING](#) [CONTACT](#)

[International platform sharing your solutions with experts in the Baltic Sea Region](#)



Training package on PFAS and other organic micropollutants in wastewater effluent

PFAS, the so-called "forever chemicals", are currently one of the most pressing environmental challenges in the Baltic Sea region as identified in the latest holistic assessment of the Baltic Sea (HOLAS 3). To address this challenge posed by the per- and polyfluoroalkyl group of substances in the capacity development perspective, the EMPEREST project develops a comprehensive and versatile set of tools and recommendations to ensure a holistic approach to PFAS removal, including a training material for water experts.

The purpose of the training material is to provide comprehensive knowledge about PFAS and is addressed mainly to water experts, but also to anyone interested on the topic. Five main thematic areas will be covered by the training material:

- Intro to PFAS
- Environmental monitoring
- PFAS risk assessment
- PFAS and other micropollutants removal in wastewater treatment
- Pilot cases in the frame of project EMPEREST

This training package is especially addressing local authorities and water service providers, but also national water associations, environmental centres and other relevant multipliers.

The training package will integrate the information for those with beginners' knowledge to those with already advanced knowledge on PFAS in wastewater. It will improve professional skills of water experts to be better prepared to the upcoming regulatory changes regarding micropollutants in effluents, thus strengthening the overall water sector resilience to emerging risks.



Training

WASTE WATER

EMPEREST training package

This training was developed in the EMPEREST project. EMPEREST supports local authorities, service providers and policy-making community by strengthening the sustainable water management cycle and address PFAS discharge management.

EMPEREST is co-funded by the Interreg BSR to drive green transition to the region.



Co-funded by the European Union

Project

[EMPEREST - Eliminating Micro-Pollutants from Effluents for Reuse Strategies](#)

Funding

[INTERREG Baltic Sea Region Programme 2021-2027](#)

Already available

Introduction to PFAS

[Production and use of PFAS in daily products](#)

[PFAS releases into the environment and exposure pathways](#)

[PFAS: Emerging health and environmental concerns](#)

[PFAS properties](#)

PFAS risk management

[Risk assessment and prevention](#)

[Regional policies and regulations](#)

[Example of national policies: what does Sweden do](#)

[Policies of all participating countries](#)

[What we can do to reduce PFAS emissions](#)

[Replacement of PFAS – stakeholders' point of view](#)

Environmental monitoring

Training material

Turku University of Applied Sciences and DWA

Transfer and
Dissemination
to the target
groups

- Promotion and advertisement
 - EMPEREST-Events
 - Local events in BSR countries
- Transfer to umbrella organisations in BSR countries
 - National water/ water utilities associations
- Social Media Campaign
 - Facebook, Instagram and LinkedIn



Thank you very much for your attention!

Please contact me for feedback on the training package



Vanessa Ingold
dwa@dwa-no.de
www.dwa-no.de