

## Symposium on sustainable water management: innovative UV-LED applications for drinking and wastewater treatment

**Where** Hybrid: Masaryk University, RECETOX, Brno, CZ + online via MS-Teams [\[link to connect\]](#)  
**Room:** Masaryk University Campus Brno, Building B17 (Dean's offices) – Room 432, 4<sup>th</sup> floor  
<https://www.muni.cz/mapa/budova-847>

**When** Thursday 29.2.2024, 12:00 (noon) – 17:30 h CEST (GMT+1)

**Web:** [INLEDAApp Symposium event](#)

### Background and objectives:

Sustainable production of safe water, i.e. water free of hazardous bacteria and toxic micropollutants or their byproducts, is of premier importance for **drinking water suppliers** as well as for **treatment of wastewater intended for recycling** – e.g. reuse in urban, technological or agricultural applications. The objective of the symposium is to discuss with experts and stakeholders outcomes and experiences from the EIG CONCERT Japan project INLEDAApp (2020-2023), which coordinated efforts of partners from Germany, Japan and Czech Republic that explored aspects of **innovative UV LED technologies and their efficiency, implementation, validation and standardization as well as safety for health and environment.**

### Who should/could participate

Experts from businesses, academia, application specialists, innovators, regulators as well as university students interested in novel and sustainable water purification technologies and their practical use.

### Speakers and agenda (schedule and timing is tentative, the schedule is relaxed and may change)

From 12:00 (noon): REGISTRATION - LIGHT LUNCH / REFRESHMENTS Masaryk University Campus Brno, Building B17 (Dean's offices) Room 432 (4 <sup>th</sup> floor) - <a href="https://www.muni.cz/mapa/budova-847">https://www.muni.cz/mapa/budova-847</a>	
<b>13:00</b>	- Welcome from organizers - Welcome from EIG Concert Japan representative - Prof. Hiroaki FURUMAI
Ca 13:10	<b>KEYNOTE LECTURE</b> - Prof. Regina SOMMER <a href="#">Medical University, Vienna, Austria</a> Requirements for UV drinking water disinfection
Ca 13:45	Dr. Jutta EGGERS - <a href="#">DVGW/TZW -Karlsruhe, Germany</a> Standardization efforts for UV LED drinking water disinfection
Ca 14:00	Prof. Kumiko OGUMA – <a href="#">University of Tokyo, Japan</a> Field demonstration and implementation of UV LED for drinking water disinfection
Ca 14:15	Mr. Tim SCHWARZENBERGER - <a href="#">DVGW/TZW -Karlsruhe, Germany</a> Validation testing of UV disinfection devices
Ca 14:30: TEA / COFFEE BREAK & DISCUSSION	
<b>15:00</b>	Prof. Ludek BLAHA - <a href="#">Masaryk University, RECETOX, Brno, CZ</a> Pilot testing of UV and UV LED in wastewater treatment
Ca 15:30	Prof. Pavel RUDOLF – <a href="#">Brno University of Technology, CZ</a> Hydrodynamic cavitation-based water treatment
Ca 15:45	Dr. Marek HOLBA – <a href="#">ASIO Tech, Ltd, Brno, CZ</a> Industry perspective: Innovative technologies in wastewater recycling
Ca 16:00	Dr. Michal BITTNER - <a href="#">Masaryk University, RECETOX, Brno, CZ</a> Wastewater reuse in Europe and USA
Ca 16:15	(place holder – presentation and/or panel discussion)
Ca 17:00: End of the day, glass of wine & farewell	