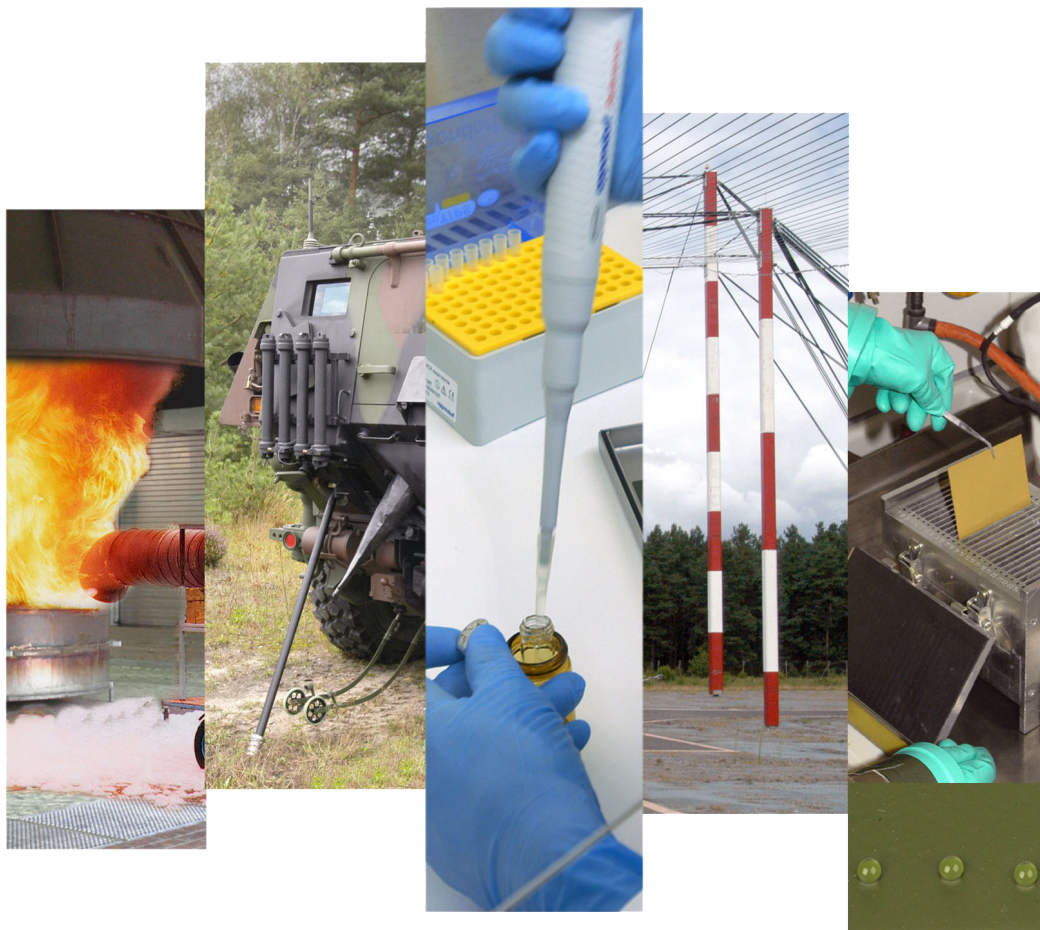




Bundeswehr Research Institute
for Protective Technologies and
CBRN Protection



3rd International Symposium

on

Mobile Water Supply in Operations: Research, Applicable Technologies and Operation Experience

Munster, Germany, September 11 - 13, 2023



3rd International Symposium on Mobile Water Supply in Operations: Research, Applicable Technologies and Operation Experience

Agenda

11 September 2023


18:30	Registration ^{*1}
19:00	Icebreaker ^{*1}

12 September 2023

08:30	Welcome Coffee, Dialogue with Experts Registration ^{*2}
09:00	Opening Dr. Frank Sabath, Director WIS (also Chairman of NATO JCBRN-CDG) Dr. Elke Reifer, Head of Branch Water Treatment
09:30 - 10:00	Session 1 – Concepts for use, civil-military interaction and operational experiences
	“Water Purification within the CBRN Forces of the German Army” Bundeswehr CBRN Defence Command, Capability Development Division
10:00 – 10:30	Coffee Break, Dialogue with Experts
	“Service solution for protected military field camp material” Federal Office for Infrastructure, Environmental Protection and Services Department IV 1
	“Water supply based on the example of the German MINUSMA Operation in Gao / Mali” Federal Office for Infrastructure, Environmental Protection and Services Department IV 3
	"Drinking water quality and safety in the field - opportunities and challenges - Infection prevention through drinking water treatment and monitoring at the highest level in the German MINUSMA operation in Gao/Mali" KdoSanDstBw VI 2 MedInt, Ltd Hyg. MINUSMA
	Symposium Photo
12:00	Lunch
13:30 – 15:30	Hardware Demonstration/Exhibition



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15:30 – 16:00	Coffee Break, Dialogue with Experts
16:00 – 17:00	Session 2 – Research, development aspects and applications
	“Automated disinfection linked with on-line monitoring and pathogen detection – an innovative invention and strategy to enforce risk management and drinking water safety” Carela
	“Laboratory tests on cyanide elimination in mobile drinking water treatment” DVGW-Technologiezentrum Wasser (TZW)
17:00	Adjourn
19:00	Conference Dinner^{*3}

13 September 2023	
08:30 – 11:00	Session 2 – Research, development aspects and applications ^{*2}
	“Insights into Research Activities for Mobile Water Supply - Evaluation of Prefiltration and Water Reuse” WIS
	“Semi-batch operation of reverse osmosis for flexible, robust and high recovery desalination” University Duisburg-Essen
	“Rejection of Lewisite and Other Arsenicals by Reverse Osmosis” WIS



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10:00 – 10:30	Coffee Break, Dialogue with Experts
	“Rapid hygienic assessment of mobile water supply” Technical University of Munich - Analytical Chemistry and Water Chemistry
11:00 – 12:00	Session 3 – Waste water management, water reuse, grey water and self-sufficiency
	“Cleaning and disinfection of vehicles and equipment” optimal Umwelttechnik / Agrarhygiene-Wassertechnik
	“Zero Water Footprint for Agile Basing - Contested Logistics” US ARMY DEVCOM GVSC DEVCOM GVSC Fuel & Water Equipment Branch
12:00	Lunch
13:00 – 14:30	Poster Session Coffee Break, Dialogue with Experts
14:30 – 15:00	Session 3 – Waste water management, water reuse, grey water and self-sufficiency
	“Source Separated Graywater: Chemistry, Unit Operations, and Operational Criteria Towards Re-use” U.S. Army ERDC, Environmental Engineering Branch
15:00 – 16:30	Session 4 - Mobile water supply, particularly in terms of reliability and low SWaP (size, weight and power),
	“Mission-oriented water purification systems for the French Navy to ensure sufficient quality of water intended for human consumption while anchored in the harbor” Kärcher Futuretech
	“Type approval of decentralized waste water treatment systems” PIA Aachen
	“Deployable Resilient Installation water Purification and treatment System ‘DRIPS’” US Army ERDC
16:30 – 17:00	Forum and Farewell
17:00	End of Symposium

*¹ Officers Club Munster

Offiziersheimgesellschaft Munster e.V.
Emminger Weg 61
29633 Munster, Germany

*² Panzertruppenschule

Kaserne Panzertruppenschule
Am Park 331
29633 Munster, Germany

*³ Cafe Restaurant Seeterrasse

Uhlenstieg 13
29646 Bispingen, Germany