



SESSION DESCRIPTION FORM 2.

10TH WORLD WATER FORUM

This Session Description Form 2 is for the specified program of the session. Please complete this form no later than 28th of February 2024.

**The session description 1 (online form) is separately requested for the session coordinators to deliver a concise session outline with the contact info and the logistical requests.*

Session Code and Title:

T2A3-THE BLUE MIRROR PARADOX: HOW DIRTY WATERS SUPPORT THE ONE HEALTH APPROACH IN PUBLIC AND ENVIRONMENTAL HEALTH MONITORING

Session Coordinators (Name, Position, Organization, email, mobile number):

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Session Description including objectives and expected outcomes (500 words maximum):

While much has been said about the need to address the circularity of water in possible solutions, during the pandemic, “dirty water” or “wastewater” emerged as “blue mirror” of human health, and the systematic surveillance of wastewater and excreta-receiving waters has boosted this dormant field of science and led to the establishment of these waters as information source for public health. Indeed, wastewater surveillance for public health has received great attention with the Covid-19 pandemic and this session covers the use of wastewater surveillance activities to track and provide an early warning system for global spread of pathogens and issues of emerging concern with the aim to enable public health decision-making. This includes i.a. the growing issue of AMR, but more importantly stresses the dramatic situation with regard to public health information in many LMICs, where this novel tool reinforces also the call to act on WASH. This session follows up directly on the decisions taken following the UN Water Conferences and is integral part of the roadmap defined by the global wastewater surveillance consortium building



the global system as an alliance of state and non-state actors, bringing water quality assessment from a mere descriptive area to the level of information tool for health.

Detailed Session plan:

ESTIMATED TIMING	ITEM DESCRIPTION / ROLE	SPEAKERS	SPEAKERS STATUS (OK OR TBC)
10 min	Keynote	<i>Türkiye Ministry of Agriculture and Forestry- Turkish Water Institute</i> Ahmet Mete Saatci	OK
5 min	Panelist	<i>EC -HERA</i> Angela Tessarola	OK
5 min	Panelist	<i>Yahciyo Engineering CO.,LTG, Japan</i> Kimiko Tomatsu	TBC
5 min	Panelist	Institut Pasteur de Tunis Fatma Guafereli	OK
5 min		SLIDO ANIMATIONS	
10 min	Keynote	<i>National Environment Agency, Singapore</i> <i>Judith Wong</i>	TBC
5 min	Panelist	<i>PATH, Africa</i> Christine Noburyo	OK
5 min	Panelist	<i>Resistomap,Finland, Indonesia</i> Windi Muziasari	OK
5 min	Panelist	EU WISH	TBC
5min	Panelist	<i>Public Health Agency of Canada</i>	TBC

		Natalie Knox	
15 min	Panelist	Q&A with the audience	
10 min	Closing Remarks	WHO or CDC	TBC

Keywords to describe the session

- * Wastewater surveillance
- * Public Health
- * One Health
- * Environmental Health
- * Pandemics



Promotional Short Session Description (3 - 5 sentences) in media friendly language :

Embark on a journey into the world of wastewater surveillance for public health at our session! Explore how monitoring "blue mirrors" of human health—wastewater and exudate-receiving waters—has transformed disease tracking during the pandemic. Join us as we delve into the use of innovative surveillance techniques by a global consortium to provide early warnings for global pathogen spread, including emerging concerns like antimicrobial resistance (AMR). This session is a vital step in the global roadmap, aligning with UN Water Conference decisions and spearheading action on water, sanitation, and hygiene (WASH) in low- and middle-income countries.

Expected outcomes, concrete solutions, impacts, and follow up linkages with events and initiatives after the Forum

Participants in this session can anticipate a range of outcomes aimed at catalyzing actionable solutions and fostering collaboration in the realm of wastewater surveillance for public health. Through engaging discussions and knowledge-sharing, attendees will gain a deeper understanding of the pivotal role of wastewater monitoring in providing early warnings for global pathogen spread, including emerging threats such as antimicrobial resistance (AMR). Concrete solutions will be explored, leveraging insights from the experiences of a diverse array of experts dedicated to advancing this field. Participants will emerge equipped with practical strategies and innovative approaches to enhance surveillance efforts and enable informed public health decision-making.

The impacts of implementing these solutions are multifaceted, extending beyond traditional disease tracking to encompass broader public health benefits and strengthened global health security. By bolstering wastewater surveillance capabilities, communities worldwide stand to benefit from improved disease detection, more targeted public health interventions, and enhanced resilience against future pandemics. Furthermore, the session will shed light on the critical need to address gaps in public health information, particularly in low- and middle-income countries (LMICs), where wastewater surveillance serves as a catalyst for action on water, sanitation, and hygiene (WASH) issues.

Following the forum, participants will have the opportunity to leverage newfound insights and forge lasting linkages with ongoing events and initiatives dedicated to advancing wastewater surveillance and global health security. By connecting with the broader global consortium and aligning efforts with the roadmap defined by the consortium, attendees can contribute to the establishment of a robust global system for wastewater surveillance, bringing water quality assessment to the forefront of public health decision-making. Through continued collaboration and knowledge exchange, participants will play a vital role in shaping the future of public health surveillance and strengthening global resilience against emerging health threats.

Expected number of participants

- 50-100 pax

Preferred Room Type (no information)

- Roundtable

