



HLP SESSION DESCRIPTION FORM

10TH WORLD WATER FORUM

Session Code and Title:

HLP 9- Towards a Global One-Health Approach in Public and Environmental Monitoring

Date: 22nd May 2024

Time: 8:30-10:00

Session Coordinators:

Name	Organization	Contact
Prof. Bilge Alpaslan Kocamemi	Turkish Water Institute (SUEN)	Primary e-mail: bilge.alpaslan@marmara.edu.tr Secondary e-mail: bilgekocamemi@gmail.com Mobile number: +90 532 355 3914
Dr. Bernd Manfred Gawlik	European Commission Joint Research Centre (EC JRC)	E-mail: Bernd.GAWLIK@ec.europa.eu Phone: +39 0332 789487



Session Description including objectives and expected outcomes :

The ministerial panel discussion on a Global One-Health Approach in Public Health and Environmental Monitoring aims to bring together high-level officials, policymakers, and experts to deliberate on the integration of One-Health and One-Water principles within the context of the United Nations Sustainable Development Goals (SDGs). This discussion also extends to the critical issue of pandemic preparedness, particularly in the context of wastewater-based epidemiology, with a specific focus on low and middle-income countries and the discussions around WASH (Water, Sanitation, and Hygiene).

The panel will provide a platform for participating ministers to explore the vital role of a One-Health approach that recognizes the interconnection between human, animal, and environmental health, particularly in the context of pandemic preparedness. The discussion will emphasize the significance of a One-Water approach, which encompasses the holistic management of water resources to address WASH challenges and facilitate wastewater-based epidemiology for early disease detection and monitoring.

During the discussion, ministers will examine how the principles of One-Health and One-Water can be effectively enacted to achieve the UN SDGs, particularly those related to public health (SDG 3: Good Health and Well-Being) and environmental sustainability (SDG 6: Clean Water and Sanitation, and SDG 13: Climate Action). The focus will be on fostering collaboration across government ministries, international organizations, and relevant stakeholders to address complex public health and environmental challenges through a unified approach, including the enhancement of pandemic preparedness and response capabilities.

Key topics for discussion will include the development of policy frameworks and regulatory measures that promote the integration of One-Health and One-Water principles into national and international agendas, with a specific emphasis on pandemic preparedness and the role of wastewater-based epidemiology. Ministers will also explore the importance of aligning financial resources, technological innovations, and capacity-building initiatives with the goals of a Global One-Health Approach, emphasizing the need for coordinated action to address common health and environmental issues, with a focus on low and middle-income countries.

Moreover, the panel will deliberate on strategies to promote cross-sectoral cooperation and knowledge exchange, with a particular emphasis on advancing research, surveillance, and monitoring systems that encompass both public health and environmental health indicators, including wastewater-based epidemiology. The ministers will also consider the role of international cooperation and partnerships in supporting the implementation of One-Health and One-Water approaches, recognizing the shared responsibility in achieving global health and environmental objectives, particularly in the context of pandemic preparedness and response.

Overall, the ministerial panel discussion will serve as a platform for fostering political commitment, sharing best practices, and charting a strategic path forward to integrate a Global One-Health Approach in Public Health and Environmental Monitoring, aligning with the principles of One-Health and One-Water, and contributing to the attainment of the UN SDGs, with a specific focus on pandemic preparedness, wastewater-based epidemiology, and WASH challenges in low and middle-income countries.



Keywords to describe the session.

Wastewater surveillance, Public health, One health, Environmental Health

Promotional Short Session Description in media friendly language :

Join us for a high-level ministerial panel discussion on "Towards a Global One-Health Approach in Public and Environmental Monitoring." Explore how integrating One-Health and One-Water principles can advance pandemic preparedness, wastewater-based epidemiology, and WASH challenges in low and middle-income countries. Don't miss this critical discussion on achieving the UN Sustainable Development Goals and fostering collaboration for a healthier, more sustainable future.

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

The session is expected to yield an articulation of the One-Health Approach's relevance to water management and its reflection in the WWC Ministerial Declaration, emphasizing the One Health-One Water nexus. This will entail a shared understanding that health and well-being depend on sustainable water cycles and that the principles of WASH are inextricably linked to the broader determinants of health as outlined in SDG 3.

The discussion is likely to foster a consensus on the importance of wastewater and water-cycle surveillance as a novel and potent tool for public health monitoring. By doing so, the panel will highlight the potential for these insights to bridge the gap between the provision of clean water and sanitation under SDG 6 and the promotion of health under SDG 3, thereby underscoring the interdependence of these Sustainable Development Goals.

Participants are anticipated to express their support for the Global Consortium for Wastewater and Environmental Surveillance for Public Health, recognizing its role in spearheading an international, collaborative effort to harness wastewater surveillance as a public health resource. This endorsement will be crucial for amplifying the consortium's work and encouraging broader participation and investment from stakeholders across the globe.

Moreover, the dialogue is expected to catalyze a call to action for greater emphasis on the non-human components of the One-Health approach. This will involve recognizing the significance of animal and plant health in the broader context of environmental and public health monitoring. By doing so, the panel will advocate for an inclusive One-Health strategy that not only addresses human health outcomes but also integrates veterinary and environmental health disciplines, acknowledging that the health of people is deeply connected to the health of animals and our shared environment.

In summary, the panel discussion is poised to chart a strategic path forward that aligns with the principles of One-Health and One-Water, fostering a comprehensive and coordinated effort to tackle the intertwined challenges of public health, animal and plant health, environmental monitoring, and sustainable development. Through this integrated approach, the session is expected to contribute to the attainment of the UN SDGs, with a specific focus on enhancing preparedness and response capacities for current and future public health challenges.

Detailed Session Plan

	ROLE	PANELISTS	SPEAKERS STATUS
OPENING (10 min)			
Moderators	Prof. Bilge Alpaslan Kocamemi Turkish Water Institute (SUEN)	Dr. Bernd Gawlik European Commission Joint Research Centre (EC)	
	Opening Remarks	Ministry of Agriculture and Forestry of Türkiye Ebubekir Gizligider Deputy Minister	CONFIRMED
	Keynote Framing Speech	European Union to Indonesia Denis Chaibi Ambassador	CONFIRMED
PART I: REMARKS & HIGHLIGHTS (25 min)			
	Panelist	Ministry of Water Resources of Iraq Aun Thiab Abdulla Minister	CONFIRMED
	Panelist	Ministry of Land, Infrastructure, Transport and Tourism of Japan Nakagome Atsushi General Secretary	CONFIRMED
	Panelist	Ministry of Environment and Forestry of Indonesia Sigit Reliantoro Director General of Environmental Pollution and Degradation Control	CONFIRMED
	Panelist	Mediterranean Water Institute (IME) Alain Meyssonier President	CONFIRMED
	Panelist	International Water Resources Association (IWRA) Yuanyuan Li President	CONFIRMED
PART II: ROUNDTABLE DISCUSSION (25 min)			
	Panelist	World Bank Saroj Kumar Global Director Water Global Practice	CONFIRMED
	Panelist	Brazilian National Water and Sanitation Agency (ANA) Ana Carolina Argolo Nascimento Director	CONFIRMED
	Panelist	Union for the Mediterranean Almotaz Abadi Deputy Secretary General	CONFIRMED
	Panelist	Asian Development Bank (ADB) Norio Saito Senior Sector Director Water and Urban Development Sector Office	CONFIRMED
	Panelist	The United Nations Educational, Scientific and Cultural Organization (UNESCO) Lidia Brito Assistant Director-General for Natural Sciences	CONFIRMED
	Panelist	The Netherlands Meike Van Ginneken Special Envoy	CONFIRMED
PART III: QUADRIPARTITE MEMBERS OF ONE HEALTH (15 min)			
	Panelist	Food and Agriculture Organization (FAO) Lifeng Li Director of Land and Water Division	CONFIRMED
	Panelist	United Nations Environment Programme (UNEP) Heidi Savelli-Soderberg Head of the Source to Sea Pollution	CONFIRMED
	Panelist	World Health Organization (WHO) David Joseph Trouban Water, Sanitation and Health Team	CONFIRMED
CLOSING (10 min)			
	Panelist	Ministry of Water Resources and Irrigation of Egypt African Ministers' Council on Water (AMCOW) Prof. Hani Sewilam Minister	CONFIRMED
	Closing Keynote	World Water Council Loic Fauchon President	CONFIRMED