



## SESSION DESCRIPTION FORM 2.

### 10<sup>TH</sup> WORLD WATER FORUM

**This Session Description Form 2 is for the specified program of the session. Please complete this form no later than 28<sup>th</sup> 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:**

**T2CC1. One Health: Linking water for humans and nature through water quality at a basin scale: new approaches and new technologies**

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

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

The focus of Integrated Water Resources Management is increasingly on the multifaceted role of water as a critical factor in achieving multiple goals. One Health is an approach that emphasizes the importance of collaborative efforts from various disciplines, at the local, national, and global levels, to achieve optimal health for people, animals, and the environment. When applied to a basin scale, where wastewater, industrial pollution, and agricultural pollutants all contribute to downstream health impacts on people and ecosystems, water quality emerges as a crucial theme that needs urgent attention. Pollution from all sources affects the water we use every day, leading to increased costs for water treatment and managing the adverse effects of poor water quality. Conversely, the natural world



requires a baseline water quality level in order to thrive and provide ecosystem services that benefit both humans and biodiversity.

Innovative tools and technologies, such as water quality remote sensing, wastewater-based public health monitoring, and nature-based solutions that complement sanitation infrastructure, can help bridge the gap and improve water quality for healthier humans and ecosystems. This session will take a holistic approach, going beyond technology and infrastructure discussions to explore the need for cross-sectoral collaborative actions to advance policymaking, legal and regulatory frameworks, guidelines, and planning.

The session will feature case studies and discussions demonstrating how the One Health approach contributes to better collaboration across sectors and draws on all sectors to create greater societal value. It will provide an opportunity to exchange experiences on the adoption and operationalization of innovative concepts and tools, aiming to ensure their durability through institutional frameworks, inclusive governance, and the uptake of new technologies.

**Detailed Session plan:**

ESTIMATED TIMING	ITEM DESCRIPTION / ROLE	SPEAKERS	SPEAKERS STATUS (OK OR TBC)
10 min	OPENING remarks	<i>Turkish Deputy Minister for Agriculture and Forestry</i>  <b>Ebubekir Gizligider</b>	OK
10 min	Keynote speech  <i>(planetary perspective)</i>	<i>French Biodiversity Agency (OFB) General Director</i>  <b>Olivier Thibault</b>	TBC  (ok if before the 21st)
10 min	Keynote speech  <i>(human health perspective)</i>	<i>The Netherlands National Institute for Public Health and Environment (RIVM)</i>  <b>Jerome Lock-Wah-Hoon</b>	OK
5 min		<b>Audience engagement (Slido Animation)</b>	
30 min		ROUNDTABLE DISCUSSION	
6 min	Panelist	<i>Molecular Solutions Care Health, India</i>  <b>Varsha Shridar</b>	OK
6min	Panelist	<i>Water Europe</i>  <b>Andrea Rubibi</b>	OK
6 min	Panelist	<i>European Commission, HERA</i>  <b>Ana Burgos</b>	OK
6 min	Panelist	<i>University of Florida, USA</i>  <b>Richard Berman</b>	OK
6 min	Panelist	<i>Ecoton, Indonesia</i>	OK



		<b>Prigi Arisandi</b>	
15 min	Panelist	<b>Q&amp;A with the audience</b>	
10 min	Closing Remarks	<i>UNEP</i> <b>Avantika Singh</b>	TBC

**Keywords to describe the session**

- \* One Health
- \* Nature-based Solutions
- \* IWRM
- \* Public Health
- \* Ecosystems

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

The water challenges faced by mankind are also felt by Nature: fluctuations in water quality and quantity due to climate change, the spread of diseases, and pollution of all kinds. These are all issues that should be dealt with at the basin level, in an integrated manner, with the help of the OneHealth approach which bridges the gap between the health of the planet, the health of ecosystems, and



human public health. This session will examine the synergies in water quality issues for the health of Nature and the health of Humans.

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

Participants can anticipate a multitude of outcomes from this session, including a deeper understanding of the interconnected challenges surrounding water quality management within river basins. Through discussions and knowledge exchange, attendees will identify concrete solutions that leverage innovative tools and technologies to enhance water quality monitoring, pollution mitigation, and ecosystem restoration. Moreover, the session will showcase the impacts of implementing such solutions, ranging from improved public health outcomes and reduced ecological degradation to enhanced socio-economic resilience within communities reliant on the restored ecosystems. The session will serve as a catalyst for forging lasting linkages with ongoing events and initiatives dedicated to advancing One Health principles and sustainable water management practices. By fostering cross-sectoral collaboration and knowledge-sharing, participants will be empowered to contribute actively to the development and implementation of inclusive policies, regulatory frameworks, and governance structures aimed at safeguarding water quality and promoting the holistic well-being of both humans and ecosystems. Post-forum, attendees can expect continued engagement opportunities through follow-up initiatives, networks, and collaborative endeavors aimed at translating insights gleaned from the session into tangible actions and transformative change within basin communities and beyond.

#### **Expected number of participants**

- 50-100 pax

#### **Preferred Room Type (no information)**

- Roundtable