



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:

Road Map for Water Quality Monitoring and Assessment: From Ecological Status Assessment to Planetary Blue Health Under Climate Change (T2A1).

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

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

Under “water quality monitoring and assessment”, pollution monitoring in relationship to chemical and ecological water status assessment for known and emerging pollutants including PFAS, microplastics, pharmaceuticals, PCPs, but also pathogens in freshwater, groundwater and marine ecosystems will be addressed and discussed in relation with the natural state, anthropogenic effects and future uses of water. The envisaged “Roadmap” picks-up the impact of climate change, stresses the importance of water quality assessment and supports science-based policies and management strategies to protect water resources from diffuse and point sources of pollution with the ultimate aim to restore and promote their sustainable use. This includes i.e. new models in spatial and temporal water quality assessment as well as the application of digital technologies for water quality monitoring, assessment, and management.

Expected outcomes

- Knowledge products and case examples that will enable countries to manage, leverage and improve urban and rural water quality not only at the national and regional level but importantly at the basin level considering climate change.
- The types of data, deciding factors, validated tools and processing mechanisms that are required to conduct robust water quality risk assessments both at a local and global scale.
- The significant and diverse roles different stakeholders (e.g. citizen scientists) play which are essential to ensure a truly integrated effort in sustainably building climate resilient communities and managing ecosystem and human health.



Detailed Session plan:

5 min - Brief overview by the session co-chairs (representatives of the coordinating institutions i.e., the WRC and IWRA).

The co-chairs will set the scene, share the session expectations and highlight some of the key areas to be discussed during the session. session will focus on a holistic approach to water quality management that considers the impact of climate change, stresses the importance of water quality assessment and supports science-based policies and management strategies to protect water resources from diffuse and point sources of pollution (from source to sea) with the ultimate aim to restore and promote their sustainable use. Another pivotal aspect will be the exploration of the concept of "planetary blue health", and new models in spatial and temporal water quality assessment as well as the application of digital technologies for water quality monitoring, assessment, and management. It will also emphasize the interdisciplinary nature of water quality monitoring, illustrating how collaborative efforts across scientific disciplines, policy domains, and social engagement of citizens can contribute to sustainable solutions.

60 Min - Five to six presentations by session partners (Each speaker will be allocated 10 min)

The presentations will include practical case studies delivered in a storytelling format rather than PowerPoint presentation sharing experiences, results, good practices and learnings in line with the topic of the session. The storytelling format with a maximum of 5 slides if necessary will encourage the speakers to be less technical, more engaging, evoke empathy, motivate action and easy to remember as the main take away from the session/Forum.

20 Min - Interactive session with all participants

A facilitated session by the two session co-chairs to address participants questions directed to the speakers and further drive a conversation to solicit participants experiences, reactions, gaps and possible areas of future collaboration with action points.

5 min - recap and closing of the meeting

The co-chairs will do a quick recap before closing the session highlighting the key messages emanating from the session and possible action points and areas that will required further engagements in other key water sector events.

ESTIMATED TIMING (Minutes)	ITEM DESCRIPTION / ROLE	SPEAKERS	SPEAKERS STATUS (OK OR TBC)
5	Opening - Brief overview of session	Ignacio Deregibus International Water Resources Association (IWRA) i.deregibus@iwra.org	OK
10	Presenter	Anne-Sophie Leclerc Eau de Paris anne-sophie.leclere@eaudeparis.fr	OK
10	Presenter	Ariana Rossen IWRA, Argentina arianarossen@gmail.com	OK
10	Presenter	Li Feng Li	OK (Mr Li will be in Bali but can only confirm participation in this session)

		Food and Agriculture Organization of the United Nations (FAO) Lifeng.Li@fao.org	once the FAO sessions have been finalized)
10	Presenter	Bertha Shifeta EU-Namibia Youth Sounding Board berthanestor3@gmail.com	OK
10	Presenter	Katrien Van Hooydonk VITO-NV katrien.vanhooydonk@vito.be	OK Two alternative presenters available: Sylvain Tusanga - Lake Tanganyika Authority Didier Cadelli - ENABEL
10	Presenter	Richard Elelman Eurecat - Centro Tecnológico de Catalunya richard.elelman@un.org	TBC
10	Presenter	Doug Woodring Ocean Recovery Alliance doug@oceanrecov.org	OK
5	Recap and Closing Comments	Eunice Ubomba-Jaswa Water Research Commission (WRC) euniceuj@wrc.org.za	OK