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:

6D3 - Transforming and upscaling data into information for science and digital based decision

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

Patricia Mejias-Moreno, AQUASTAT Coordinator, Food and Agriculture Organization of the United Nations (FAO), +39 340 4927102

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

Introduction:

The complexities surrounding water resources management necessitate robust information systems to inform decision-making processes effectively. Raw datasets should be processed and transformed into information in a format that can be understood and used by decision-makers and answer the expectations of final users. Many tools are available for data processing and analysis to understand patterns, trends and potential future scenarios related to water resources. This session aims to address the importance of upscaling data into actionable information and showcase tools and best practices to harness the potential of data for water policy decision-making.

The specific objectives of the session are:

- Exploring analytical techniques and tools utilized in data processing and interpretation highlighting their applicability in generating valuable information for decision-making.
- Understanding the process of transforming raw data into comprehensible and actionable insights.
- Present case studies and success stories where data transformation has led to significant advancements in water investments, policies and research.

The expected outcomes are:

- Enhanced understanding and knowledge of available tools and technologies to leverage water information systems for informed decision-making in water resources management.
- Inspired action motivating participants to explore strategies for scaling up data-driven insights to guide decision-making processes in various sectors and inform scientific research agendas,
- Networking and collaboration facilitating opportunities for participants to connect, share experiences, and explore potential collaborations in advancing water information systems implementation and utilization.

Detailed Session plan :

ESTIMATED TIMING	ITEM DESCRIPTION / ROLE	SPEAKERS	SPEAKERS STATUS (OK OR TBC)
5'	Introduction to the session	Moderator (FAO)	Ok, EoI received
10'	Introduces the digital solutions developed by K Water including AI approaches for public and industrial water in South Korea.	Korea Water Resources Corporation – K WATER	Ok
10'	Introduces the role of Integrated Water Information Systems in decision-making processes by integrating different data sources and considering interconnections and dependencies within the water cycle.	CODIA member	TBC
10'	Introduces the application of Transboundary hydrological modelling for strengthening collaboration in the Senegal Basin	DHI	Ok, EoI received
25'	Round table (I): What tools can be employed to convert raw data into actionable information?	Moderator FAO CAF (Digitalization) Akvo (WASH) Itaipu Binacional IGRAC (groundwater)	Ok, EoI received
25'	Round table (II) – Using new data tools in practice	Moderator FAO Oxfam – Bangladesh (WASH humanitarian) Venezuela INAMEH Wahana Visi Indonesia (WASH) FAO - WAPOR	Ok, EoI received
5'	Conclusions	Moderator (FAO)	