



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:

CC09. Towards better capacity development and collaboration on data, information, knowledge, and innovation

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

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SOBUE Shinichi, Deputy Chief Officer of Earth Observation Missions, Space Technology Development Directorate I, Japan Aerospace Exploration Agency (JAXA), sobue.shinichi@jaxa.jp, +81-70-1170-2538

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

Water is closely linked to food and energy, and this water-food-energy nexus underpins the critical dimensions of quality of life, such as, health, education and labor. Water is closely linked to the natural environment on land and below water and also to the human-made environment, including cities, consumption and production, and industry and infrastructure. Water is not only a fundamental component in triggering natural hazards but also serves as a vital lifeline, offering an opportunity for us to bolster our resilience. All of these factors underlie the social components such as poverty, gender, equity, and peace. In this respect, water has strong links to all the SDGs. Therefore, there is a need to build a cross-sectoral decision-making framework that transcends the boundaries of various goals, disciplines and sectors.

Continuous Observations [High quality and temporal / spatial Data and information obtained and used by various sectors] makes an important contribution to improved decision-making, although their role varies depending on the timeframe of the decisions involved. Data and information are needed to support day-to-day operational decisions on how to manage water flows (aka integrated water resource managements) as well as for multi-decadal planning of water infrastructure. It is vital for building an effective and multifaceted approach that addresses resilient infrastructure, regional cooperation and mainstreaming disaster risk reduction (DRR) into development planning. Moreover, the establishment of early warning systems is crucial for enhancing preparedness. Integrating Science, Technology and Innovation (STI) into DRR endeavours to bridge existing data and information gaps can be exemplified by leveraging AI technologies. It is essential to ensure easy and harmonized access to heterogeneous data, to establish data interoperability and standardization, to develop services for data dissemination, access and integrated use, and to establish and promote procedures for data sharing and use. Capacity development and collaboration are important elements for data, information, knowledge, and innovation.

This session aims to discuss ways and frameworks to develop capacity, collaborate, collect consistent, accurate and holistic data and information, to strengthen knowledge and innovation over many years; to support improved data integration, information provision / fusion and synthesis to strengthen sustainability and resilience and promote sustainable development; and to link cutting-edge science with on-site decision-making and action on the ground.

Detailed Session plan :

ESTIMATED TIMING	ITEM DESCRIPTION / ROLE	SPEAKERS	SPEAKERS STATUS (OK OR TBC)
0:00 [5 mins]	Opening Remarks	Abou Amani, Director, Division of Water Sciences, and Secretary of Intergovernmental Hydrological Programme (IHP), UNESCO	OK
:05 [5 mins]	Introduction/ Setting the Stage	SOBUE Shinichi, Deputy Chief Officer of Earth Observation Missions, Space Technology Development Directorate I, Japan Aerospace Exploration Agency (JAXA), Japan FUKUWATARI Takashi, Director for Special Research, ICHARM	OK OK

0:10 [55 mins]	<p>Panel Discussion</p> <p>1) Self introduction (32 minutes) Panelist is requested to make a brief presentation including self introduction and organization activities for capacity development and collaboration on data, information, knowledge, and innovation for promoting resilience and DRR (4 minutes with strictly 4 page slides each)</p> <p>2) Panel discussion with seed questions (23 minutes) Panelist is requested to answer some of following seed questions which moderator ask)</p> <p>#1 What are common challenges in Capacity Development and Collaboration on Knowledge, Data, Information and innovation?</p> <p>#2 What we can learn from best practices in the world?</p> <p>#3 How we should collect and use water-related data correctly to improve our resilience and sustainability?</p>	<p>Johannes Cullmann, German Federal Institute of Hydrology (BFG), Germany</p> <p>Misako Kachi , Japan Aerospace Exploration Agency (JAXA), Japan</p> <p>Zhongbo Yu, Hohai University of China, Former IHP Chairman</p> <p>Rokhis Khomarudin The acting Head of the Geoinformatics Research Centre (PRG), National Research and Innovation Agency (BRIN)</p> <p>Anthony C. Sales, Regional Director, Department of Science and Technology (DOST), Regional Office No. XI, Philippines.</p> <p>Neil Dhot, Executive Director, AquaFed, France</p> <p>Veronica Sanchez da Cruz Rios, President, National Water Agency, Brazil</p> <p>Rosa Aurora Mija Yangua, World Youth Parliament for Water, Peru</p>	<p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p> <p>OK</p>
1:05 [15 mins]	Q & A and discussion with participants	SOBUE Shinichi, JAXA and FUKUWATARI Takashi, ICHARM	OK
1:20 [5 mins]	Summary including inputs to Ministerial Process	SOBUE Shinichi, JAXA	OK
1:25 [5 mins]	Closing Remarks	Rahmah Elfithri, UNESCO	OK