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:

> 6D2 – Boosting Data Sharing and Governance

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

> Henrik Dissing, Senior Consultant, Water4All/Danish Environmental Portal, hendi@miljoeportal.dk, +4541782030

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

> Objective – to build an understanding of participants, that:
> - Becoming data-driven requires a solid, cost-efficient data foundation including adequate governance and cross-cutting data management policies, adding this to leadership attention.
> - Water Data Management must be based on a catchment-and-circular approach, i.e. calling for data sharing across administrative boundaries, sectors and systems.
> - Water Data Management should favour data sharing and interoperability of data according to FAIR principles, based on shared approach to Best Practices in Data Management.
> - A cost-efficient data production requires an innovative approach, in particular to address a fast-forward process for areas and stakeholders with current low data density.
>
> The session will focus on the data management approach required to facilitate the use of multiple-sourced and multi-scale datasets combined with cutting-edge methods such as machine learning, artificial intelligence, and big data, to help gain a more complete understanding of water management problems and propose more sustainable practices. Becoming data driven allows to cover larger geographic areas, enhance data accuracy and provide more comprehensive information for water resource management and decision-making.
>
> The context of the session will be a holistic perspective on the entire value chain leading from data production via a data sharing oriented set-up for data management to data distribution. Further, the importance of adding IT capacity to operations, management, research and innovation, as this is crucial to have the capability to deal with large data volumes, or, in other words, to be actually data-driven.
>
> Ensuring that data from many different sources can be used for many different purposes probably is the most cost-efficient way to secure sufficient data for harvesting the benefits. Therefore, as part of an initial Setting the Scene, a Water4All initiated White Paper on Best Practices in Water Data Management will be presented.
>
> Within data management, data harmonization and a shared approach to best practices will be in focus – a topic with significant, strategic importance often overlooked in political discussions and management decisions.
>
> Compared to other sectors, IT projects has been documented to be in the high end of having risks of spinning out of budget and time control. It is therefore highly imperative to apply adequate time for project planning and also facilitate exchange of experiences in Water Sector IT project management

Speakers will be urged to emphasize the benefits not only in environmental but also economic terms, as this constitute a key driver in a political and decision-making context.

The objective of the session will be to contribute to fostering a data-driven approach to managing water challenges by promoting data sharing, a joint approach to best practices in water data management and giving inspiration to fast forward tracks for communities troubled by low data density. As a concrete outcome, a White Paper on "Best Practices in Data Management" will be introduced to the Speakers and Roundtable Participants in to foster a debate about governance aspects of data management and data sharing. With this, the audience will be introduced to the White Paper, and, further, main findings will be furthered relevant global structures.

Detailed Session plan :

ESTIMATED TIMING	ITEM DESCRIPTION / ROLE	SPEAKERS	SPEAKERS STATUS (OK OR TBC)
00:00-00:12	Welcome remarks	Mr. Henrik Dissing, Water4All	OK
00:12-00:21	Data Sharing in the Amazonas Basin	Maria Apostolova, Amazon Co-operation Treaty Organization	OK: EoI received
00:21-00:30	Data Sharing in the Loire-Bretagne Catchment, and French OneWater Initiative	Mr. Hervé Gilliard, Loire-Bretagne Water agency, France	OK: EoI received
00:30-00:39	Advanced Data Sharing as foundation for Innovation Projects, case: WaterProof Initiative	Ms. Catarina Baptista, VITO	OK: EoI received
00:39-00:48	The use of multiple-sourced and multi-scale datasets combined with cutting-edge methods such as machine learning, artificial intelligence, and big data for water management problems.	Mr. Faizal Rohmat, Institut Teknologi Bandung, Indonesia	OK: EoI received
00:48-01:13	Roundtable - Setting Water Data Free *How to foster a joint approach to best practices in water data management based on the recommendations of the White Paper?* *How to ensure adequate leadership focus on data management?* *How to organize and facilitate a fast forward track for low data density water catchments?*	Moderator: Mr. Henrik Dissing, Water4All Roundtable participants: Ms. Simone Benassi, Itaipu Mr. Dominique Berod, WMO Mr. Ahmed Ramalla Sylla, Organisation pour la Mise en Valeur du fleuve Sénégal Mr. Marcin Pawel Jarcebski, UNU-IAS Mr. K.E.R. Pramana from Water Management TU Delft	All are OK with EoI received
01:13-01:25	Q&A with audience	Mr. Henrik Dissing, Water4All	OK
01:25-01:30	Concluding Remarks	Mr. Henrik Dissing, Water4All	OK