



1st IAHR Online Forum

5—7 July_2021

IAHR Online Forums

The International Association for Hydro-Environment Engineering and Research (IAHR) is pleased to launch the inaugural **IAHR Online Forum**, a new series of virtual events aimed at bringing together the community of hydro-environment professionals in the years in between the IAHR World Congresses by making the most of digital opportunities.

The **IAHR Online Forums** aim to bring together the continually evolving knowledge and innovations of the Hydro-Environment community and provide an important reference for all those who seek to understand the latest challenges and trends of hydro-environmental solutions and research.

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Challenges and trends of hydro-environmental solutions and research for water security

Water security, the adaptive capacity to safeguard the sustainable availability of, access to, and safe use of an adequate, reliable, and resilient quantity and quality of water for health, livelihoods, ecosystems, and productive economies, is at the core of sustainable development.

The 2021 **IAHR Online Forum** will focus on the challenges and trends of hydro-environmental solutions and research and will include key plenaries and technical sessions that cover a range of topics essential to water security.

The **IAHR Online Forum** caters especially for engineers, experts, researchers, and organisations, and it is a premier reference for all who are interested in quickly understanding the state of play of the global hydro-environment engineering and research community. IAHR's wide range of Technical Committees and Working Groups will make special contributions to highlight the issues and directions in their respective fields.

For more information please contact: iahr@iahr.org

Build up to core sessions Before 5 July	Core sessions 5 July	Core sessions 6 July	7 July	Cont. from core sessions From 8 July
Additional Live TC/WG Sessions	Opening Session Awards	Ecohydraulics and Nature-Based Solutions for Water Security	TC/WG Session	Additional Live TC/WG Sessions
	Hydro-Environment from Source to Sea	Water and Covid Impacts and Solutions	TC/WG Session	
	Artificial Intelligence and Data, Machine Learning in Water	Youth and Africa	GMA	
	A Diverse Approach to Hydraulic and Environmental Research. Vision and Mission of Women Scientists	IAHR Stream for Practitioners, Regulators and Engineering The Future of Water Infrastructure: environment construction, operations, and maintenance	Council Meeting	
Recorded TC/WG Sessions				
Virtual exhibition				
Other satellite events				Other satellite events

Key plenaries

Organised around a series of key plenaries, the first **IAHR Online Forum** will inform the debate and explore opportunities for action by facilitating high-level contributions and the promotion of innovative approaches in different areas including:

Hydro-Environment from Source to Sea	Ecohydraulics and Nature-Based Solutions for Water Security	Youth and Africa
Artificial Intelligence and Data, Machine Learning in Water		
A Diverse Approach to Hydraulic and Environment Research. Vision and Mission of Women Scientists	Water and Covid: Impacts and Solutions	IAHR Stream for Practitioners, Regulators and Engineering The Future of Water Infrastructure: environment construction, operations, and maintenance.

Technical sessions

IAHR members bring their technical and professional expertise to advance the research and practice of hydro-environment engineering through over 25 technical committees and working groups.

During **IAHR Online Forum**, you will have the opportunity to discover the unique perspectives from IAHR's various communities on the major challenges, trends and the latest research and practices in their respective fields.

IAHR's current technical communities include:

[Experimental Methods and Instrumentation](#), [Fluid Mechanics](#), [Fluvial Hydraulics](#), [Hydraulic Machinery and Systems](#), [Hydraulic Structures](#), [Industrial Flows and Energy Exchange](#), [Climate Change Adaptation](#), [Coastal and Maritime Hydraulics](#), [Ecohydraulics](#), [Flood Risk Management](#), [Groundwater Hydraulics and Management](#), [Ice Research and Engineering](#), [Hydroinformatics](#), [Marine Outfall Systems](#), [Urban Drainage](#), [Water Resources, Management, Education and Professional Development](#), [Global Water Issues](#), [Higher Education and e-Learning](#), [Drones in Hydraulics](#), [Global Water Security](#), [Hydrometry](#), [Oil Spill Modelling](#), [Reservoir Sedimentation](#), [Sustainable Development Goals](#), [Water Systems Operations and Transient Flows](#).

Join us for the 1st IAHR Online Forum!

The 1st **IAHR Online Forum** is a new innovation that makes the most of modern digital interaction by providing a combination of live and pre-recorded sessions that enable you to access great insight at the time and place of your choosing!

Key plenaries will take place LIVE from 5–6 July_2021 and some technical sessions will be live in the days leading up to and immediately following the event, whilst all sessions will be made available 'on-demand' and online upon their release during the Forum.