



Hosted by Spain Water and IWHR, China

39th IAHR WORLD CONGRESS GRANADA, SPAIN 2021 From Snow to Sea



www.iahrworldcongress.org
4-9 July 2021

#FromSnowToSea



Organized by:

Congress Secretariat:



International Association for Hydro-Environment Engineering and Research



UNIVERSIDAD DE GRANADA



SPAIN WATER



Worldwide,

- **1 in 3** people do not have access to safe drinking water.
- More than **80%** of wastewater resulting from human activities is discharged into rivers or seas without any pollution removal.
- Approximately **70%** of all water drawn from rivers, lakes and aquifers is used for irrigation.
- **50%** of the world's population is already experiencing severe water scarcity at least one month a year.
- Floods and other water-related disasters account for **70%** of all deaths related to natural disasters.
- Population growth, climate change, rapid urbanization and other related trends compound the challenges.
- The critical role water plays in development is recognized as a Sustainable Development Goal, SDG 6, and water plays a central role in achieving SDG 14, the Paris Agreement and SDG 13 on Climate Change.

Innovative approaches to water management challenges are needed more than ever to ensure sustainable and resilient societies worldwide. Central to innovation is the science and engineering associated with the challenges. IAHR works internationally to advance water science and engineering from snow to sea.

SDG 6

Ensure availability and sustainable management of water and sanitation for all.

SDG 13

Take urgent action to combat climate change and its impacts.

SDG 14

Conserve and sustainably use the oceans, seas and marine resources for sustainable development.

39th IAHR World Water Congress From Snow to Sea

From 4 to 9 July 2021, the 39th IAHR World Congress in Granada, Spain will bring together experts on water science, engineering and management to help address the world's most pressing water challenges.

The Congress will provide scientists, engineers, organisations, central and local authorities, companies, and young professionals early in their careers a stimulating opportunity to share and discuss recent advances and experiences, and identify innovative and emerging trends in hydro-environmental science and engineering.

From Snow to Sea

Under the overall theme **From Snow to Sea**, the Congress will focus attention on the importance of an integrated and intelligent approach to the management of the full water cycle to address the global challenges faced by people and the environment.

From Snow to Sea highlights IAHR's commitment to the critical role that sound understanding of the water cycle plays in achieving the Sustainable Development Goals (SDGs), not the least of which is the connection between the ocean goal (SDG 14) and the water goal (SDG 6) in addressing land-based activities affecting the sea.

From Snow to Sea underscores the importance of taking a holistic approach in water management, an approach that emphasizes the value of knowledge and modelling in understanding and developing the processes that impact water use and management.

An integrative and interdisciplinary approach

Structured around eight themes, the Congress aims to provide an integrative and interdisciplinary platform for science, engineering and societal policy to meet.

Theme 1 Human-water relationships

Bringing together past, present and future knowledge and experience to design a more sustainable future.

Theme 2 Snow, river and sediment management

The main management challenges related to the first steps of the water cycle.

Theme 3 Environmental hydraulics and urban water cycle

Environmental and eco-hydraulics issues along the river corridors and associated with the management of the water cycle in urban areas.

Theme 4 Hydraulic structures

Design of reliable, sustainable and resilient hydraulic structures.

Theme 5 Water resources management, valuing and resilience

Mechanisms to improve resilience, value, cooperation and governance of water resources.

Theme 6 Computational and experimental methods

Experimental methods and new technologies to improve the knowledge of water processes.

Theme 7 Coasts, estuaries, shelves and seas

Tools and approaches to ensure the protection, restoration and resilience of these valuable areas and the ecosystem services they provide.

Theme 8 Extreme events: from droughts to floods

How extreme events and their impacts can be better predicted, assessed and mitigated and societies better prepared.

A Congress at the forefront of research, innovation and sustainability

The 39th IAHR World Congress provides an excellent opportunity to showcase and get involved in the development of innovative solutions and approaches to water challenges.

You, organizations and individuals, will make the Congress a success. Join us and contribute with your insights and experiences:

- convene a special session,
- organize a training session,
- be part of the Job Fair and meet young talents,
- submit a case study to our young professionals challenge contest,
- propose a high-level panel,
- participate in our coffee shop mentoring sessions, and much more...

Visit the Congress website for more information or contact the Congress Secretariat at iahr2021@kenes.com.

A lively exhibition alongside the Congress will also offer the opportunity to present the latest developments in equipment, software and instrumentation, and enhance relevant achievements from practice.

IAHR World Congresses



Hosted by
Spain Water
and IWHR, China

Since its creation in 1935, the International Association for Hydro-environment Engineering and Research (IAHR) is known as a leading international organisation of scientists and engineers and other professionals focused on the water environment. IAHR stimulates and promotes research and its application by sharing new research paradigms and networks, setting industry standards, informing best water management practices, and nurturing young professionals.

The biennial IAHR World Congresses is one of the most important activities of the association and attracts more than a thousand participants from all over the world.

39th IAHR World Congress Organization

The 39th IAHR World Congress is organized with the support of four committees, which have different mandates.

An International Steering Group (ISG)

Equally represented by six IAHR representatives and six Spanish representatives, the ISG is the ultimate decision-making entity for the Congress. With excellent international and national connections, it plays a role in advising on and facilitating engagement with external organisations, individuals, events, processes and initiatives.

An International Scientific Committee (ISC)

The ISC, made up of well-known experts that cover the broad range of topics in the field of hydro-environmental issues, advises and supports the scientific and technical coordination of the Congress.

A National Organising Committee (NOC)

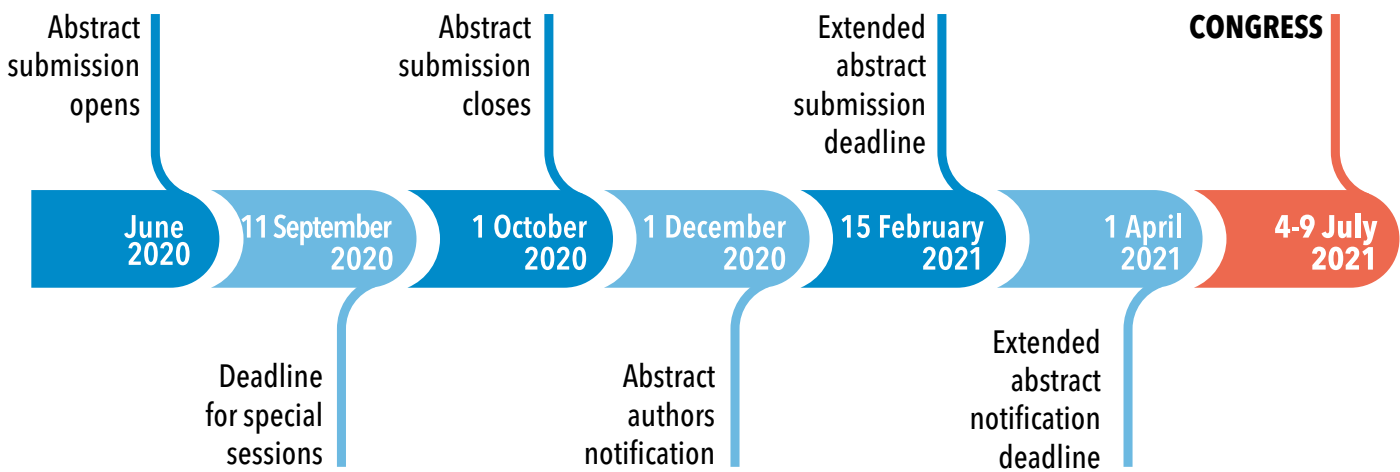
Organised and coordinated by the Spanish parties of the World Congress, the NOC provides national level oversight to the Congress and mobilises Spanish and related stakeholders, activities and finances to ensure a successful Congress.

A Congress Organising Group (COG)

The COG is the Congress operational centre. It ensures the scientific and technical coordination of the Congress.

You will find information about the composition of each committee at the Congress website.

Key dates and deadlines



Venue

Palacio de Congresos de Granada
Paseo del Violón, 18006 Granada
Spain



Organized by:



www.iahrworldcongress.org
www.iahr.org



Congress Secretariat

KENES GROUP
T. +34 913612600
E. iahr2021@kenes.com



#FromSnowToSea | Join us in Granada!