



Hosted by
Spain Water
and IWHR, China

40TH IAHR WORLD CONGRESS VIENNA—AUSTRIA



21–25 AUGUST 2023

RIVERS – CONNECTING
MOUNTAINS AND COASTS

Join us at
next year's
IAHR
congress!



Prof. Dr. Helmut Habersack

Rivers – Connecting Mountains and Coasts



Technical Programme: Topics 1/2

“Rivers – Connecting Mountains and Coasts”

KEY TOPIC 1

River Research and Management

- 1a. River processes, monitoring and modelling
- 1b. Preservation and restoration of rivers
- 1c. Sustainable river management
- 1d. Innovation in river engineering

KEY TOPIC 2

Deltas and Coastal Engineering

- 2a. Impacts of river basin changes on deltas and coasts
- 2b. River – estuary – sea interactions
- 2c. Coastal hydraulic engineering structures
- 2d. Inland and coastal lake management

KEY TOPIC 3

Sediment Transport and Morphodynamics

- 3a. River sediment management and morphodynamics
- 3b. Coastal and estuary morphodynamics
- 3c. Sediment transport, deposition and remobilisation
- 3d. Sediment (dis)continuity

KEY TOPIC 4

Int. Management of Climate Change

- 4a. Rainfall-runoff processes and modelling
- 4b. Integrated flood risk management
- 4c. Drought risk management
- 4d. Global change and water management

Technical Programme: Topics 2/2

“Rivers – Connecting Mountains and Coasts”

KEY TOPIC 5

Environment and Society

- 5a. Ecohydraulics in rivers and coasts
- 5b. Ecological status and eco-engineering
- 5c. Plastics in rivers
- 5d. Gender-related aspects in water management
- 5e. Water education and innovation

KEY TOPIC 6

Urban Water

- 6a. Urban floods and droughts
- 6b. Sanitary engineering
- 6c. Urban sewer and sediment management
- 6d. Water and mega cities

KEY TOPIC 7

Hydraulic Engineering and Water Management

- 7a. Sustainable hydropower, navigation and irrigation
- 7b. Reservoir management
- 7c. Hydraulic structures and machinery
- 7d. Integrated river and groundwater management

KEY TOPIC 8

Computational and Experimental Methods

- 8a. Fluid mechanics
- 8b. Hydroinformatics, machine learning and artificial intelligence
- 8c. Modern instrumentation and experimental technologies
- 8d. Hybrid modelling and scale influence
- 8e. Digital water and big data

Specials

Young Professionals Network

- Workshops and special events for YPN
- Young Professionals Night

Unique special: **Vienna Water Conferences 2023**

- In honour of the 40th anniversary of the IAHR World Congress, this conference will reach out to other conferences (World's Large Rivers & Danube Conference) and combine them under the theme "Vienna Water Conferences 2023"
- All three conferences will be held simultaneously in Vienna, giving a unique opportunity to attend all three conferences, extend your networks and get to know other researchers in the field

New Hydraulic Laboratory

- Exhibition Competition: best exhibitor award based on exhibition fair (presentation of devices under real hydraulic conditions)
- Vienna River Dialogue: joint IAHR and UNESCO activity in new UNESCO-Center




**VIENNA WATER
CONFERENCES 2023**



Social Programme

President's Reception

- Monday, 21st Aug, evening
- Festive Hall of City Hall Vienna



Conference Banquet

- Thursday, 24th Aug, evening
- Palace Schloss Schönbrunn



Technical Tours

- Hydropower plant Freudenau
- Boat tour „Integrated River Engineering Project“ at the Danube
- „Donau-Auen“ National Park tour
- Vienna's flood protection system
- Vienna's main wastewater treatment plant
- Hydraulic Engineering Laboratory



Welcome to Vienna

Most liveable and one of the safest cities worldwide

- No. 1 – Resonance World's greenest cities 2020
- No. 1 - Economist most liveable city 2018
- No. 1 - Mercer Quality of Living survey 2010 - 2019
- No. 5 - Mercer Personal Safety ranking 2016
- Next door to one of the four UN headquarters
- One of the largest university towns in Europe with more than 10 universities (University of Vienna since 1365)

Smart, green and clean

- Excellent public transportation network
- Stable economy, politically neutral
- Outstanding meeting infrastructure
- Experienced suppliers, no language barriers
- Excellent water quality
- Conference as green event



Join Us Now

Abstract & Special Session submissions

from **August 1st 2022**
till **October 1st 2022**

**Call for
Submission**



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