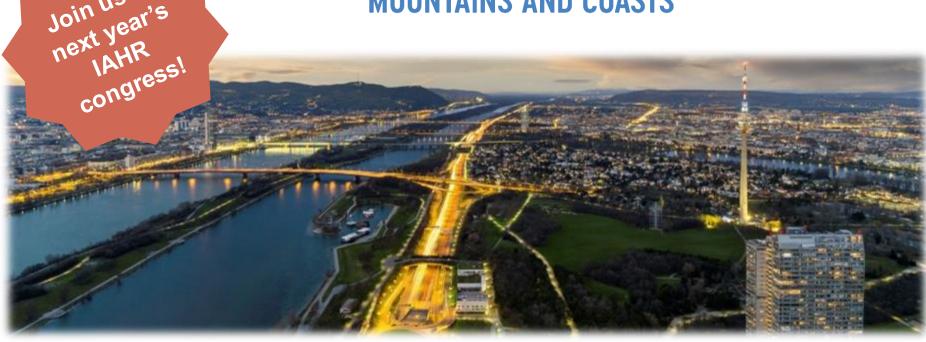


# **40TH IAHR WORLD CONGRESS** VIENNA-AUSTRIA

Hosted by **Spain Water** and IWHR, China 21-25 AUGUST 2023

**RIVERS - CONNECTING** Join us at next year's IAHR **MOUNTAINS AND COASTS** 







# **Rivers – Connecting Mountains and Coasts**



























# **Technical Programme: Topics 1/2**

## "Rivers - Connecting Mountains and Coasts"

#### KEYTOPIC 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

#### KEYTOPIC3

## **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

#### KEYTOPIC2

## **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

#### KEYTOPIC4

### 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"

#### KEYTOPIC5

### **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

#### KEYTOPIC 6

#### **Urban Water**

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

#### KEYTOPIC7

# 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

#### KEYTOPIC8

### **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 fata





# **Specials**

### **Young Professionals Network**

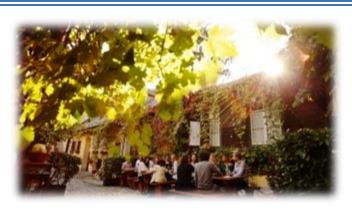
- Workshops and special events for YPN
- Young Professionals Night



- In honour of the 40<sup>th</sup> 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











# **Social Programme**

### **President's Reception**

- Monday, 21<sup>st</sup> Aug, evening
- Festive Hall of City Hall Vienna





### **Conference Banquet**

- Thursday, 24<sup>th</sup> 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





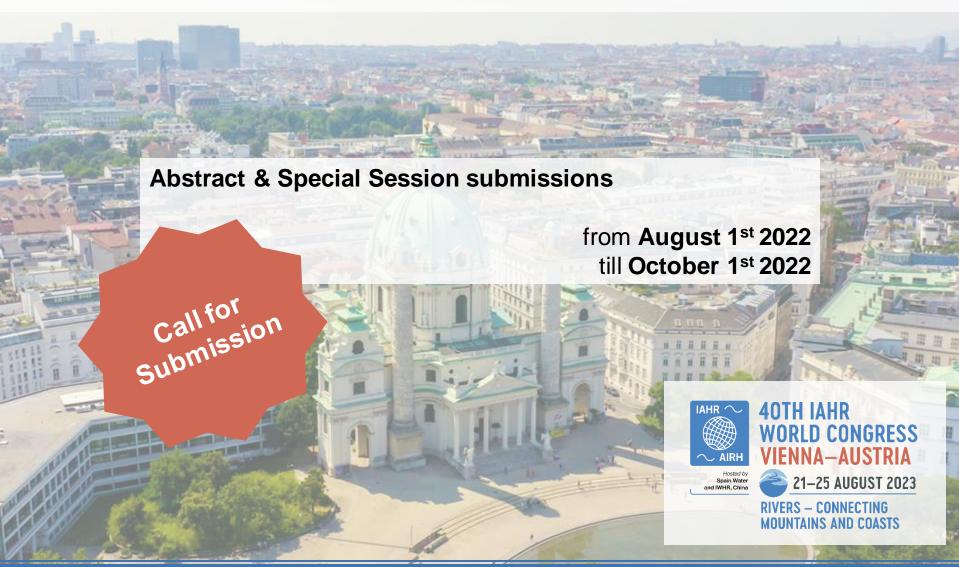








# Join Us Now









**40TH IAHR WORLD CONGRESS** VIENNA-AUSTRIA

Hosted by Spain Water and IWHR, China



**RIVERS - CONNECTING** 

