

# Smart Water & Circular Economy *The next challenge*

## Call for papers

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- All submissions will be peer-reviewed, and accepted papers will be published electronically with ISBN. Each accepted paper will have an individual DOI.
- All participants are required to submit a short abstract (max. 500 words).
- Send your abstract through the OCS platform of the UPV.
- A Special Conference Track for Industry Participants will allow water professionals from industry, municipalities, government and consulting firms to exchange ideas and share experiences on interesting projects. Participants will only be required to prepare an oral presentation (full papers not required).
- Short courses proposals are welcome.

## Key dates

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- Abstracts opening submission: Oct 1
- Abstracts deadline submission: Jan 15
- Short Courses proposals: Jan 10
- Accepted abstracts: Mar 1
- Final papers deadline: May 1
- Early registration deadline: May 15



WDSA/CCWI 2022

# CONFERENCE TOPICS

## Conference Topics included but are not restricted to:

- SMART solutions for water systems (metering, assessment, forecasting and operations)
- Circular economy and block chain applications in urban water management
- Digital Twins in urban water systems
- Integral solutions to climate change and sustainable urban water cycle problems
  
- Water distribution network optimization: planning, design, rehabilitation and expansion
- Water distribution networks and systems modeling, operation and maintenance
- Water-energy nexus in water industry
- Transient analysis, network sectoring and leakage control in water distribution networks
- Drinking water quality issues (modeling, biofilm, discoloration and contaminant intrusion)
- Intermittent water supply: modeling and operation
- Urban water networks management under emergency situations (pandemic detection and control, water shortage, natural disasters)
- Water security, reliability and resilience in water industry
- Asset management and performance modeling
- Benchmarking in water distribution networks
- Advances in EPANET. Future proposals
- Advances in premise plumbing modeling
  
- Advances in Sewer and drainage modeling and design
- Water and wastewater treatment modeling, optimization and control
- Wastewater and storm water quality modeling, including sediment and pollutant transport
- Combined Sewer Overflow Solutions
- Storm water control: sustainable urban drainage solutions and blue-green solutions
- Advances in SWMM. Future proposals
- Pressurized and Open Channel Irrigation Networks
- Integrated urban water system modeling and management. GIS and BM applications
- Advances in sensors, automated meter reading and forecasting in water networks
- Real time monitoring, SCADA and ICT for data management in water networks
  
- Data driven and soft computing analytics and visualization in water industry
- Big Data and Machine Learning techniques and analysis in urban water networks
- Emerging Hydroinformatics techniques in water, sewer, drainage and irrigation networks
- Practical applications (laboratory, modeling, case studies, demonstration projects, ...)
- Educational and research transfer tools

## Battle of Water Networks

- Topic: Battle of the Intermittent Water Supply (BIWS)
- Instructions: October 15, 2021

