

SUSTAINABLE WATER RESOURCES MANAGEMENT 2021

**11th International Conference on Sustainable
Water Resources Management: Effective Approaches
for River Basins and Urban Catchments**

18 – 20 May 2021 | Milan, Italy

Organised by

Wessex Institute, UK
Polytechnic of Milan, Italy

Sponsored by

WIT Transactions on Ecology and the Environment
International Journal of Environmental Impacts





The 11th International Conference on Sustainable Water Resources Management will present recent technological and scientific developments, associated with the management of surface and sub-surface water resources and also the river basin management methodologies.

Water is essential for sustaining life on our planet and its uneven distribution is a source of permanent conflict. The growth of human population combined with the irregularity in precipitation and water availability may restrict even further the access to water in certain regions of the world. This problem is made more severe by anthropogenic activities that affect its quality.

River Basin Management includes all aspects of Hydrology, Ecology, Environmental Management, Flood Plains and Wetlands. Riverine systems are coming under increasing pressure due to anthropological and natural causes. Prominent amongst the problems affecting them is water scarcity and quality, which requires the development of improved methods for better river management.

Changes in the landscape, use of the land and climate conditions lead to a continuous re-valuation of river basin management objectives. This requires the development of better measuring tools as well as the use of increasingly accurate computer software.

Catastrophic events such as floods and associated landslides, erosion and sedimentation

can have serious effects not only on life and property but also on the basin ecology. Frequently these problems are aggravated by the unforeseen consequences of man-made changes in the river basin. This has led in recent years to work on river restoration and rehabilitation with various degrees of success.

The conference provides a platform for professionals involved in sustainable water resources management to exchange knowledge and gain an insight into the state of the art in the current technology, techniques and solutions in that field as they have been developed and applied in different countries. Participants include a wide variety of stakeholders from research and academia, to industrial sectors as well as government organisations.

The first conference of this series was held in Halkidiki, Greece in 2001, followed by Las Palmas, Gran Canaria (2003); the Algarve, Portugal (2005); Kos, Greece (2007); Malta (2009), Riverside; California (2011) the New Forest, UK, home of the Wessex Institute (2013); A Coruna, Spain (2015); Prague, Czech Republic (2017) and Alicante, Spain (2019).

Papers presented at the Sustainable Water Resources Management meetings are permanently available to the international community in digital format at www.witpress.com/elibrary.

Conference Chairman

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Judy Stewart
University of Calgary, Canada

Maria Estela Varua
Western Sydney University, Australia

Martina Zelenakova
Technical University of Kosice, Slovakia

Benefits of Attending

USB Drive

Delegates will receive a USB drive at the conference containing the presented papers.

Publication

Papers presented at Sustainable Water Resources Management 2021 are to be published in a Volume of WIT Transactions on Ecology and the Environment (ISSN 1743-3541). The publication will be available in both electronic and hard copy.

Indexing

The WIT Transactions are DOI registered with CrossRef and are currently listed in indexing services such as Scopus and Google Scholar, as well as being submitted to the Web of Science. All conference books are listed in the British Library and American Library of Congress.

Open Access and Digital Archive

All conference papers are archived permanently on our electronic library where they can be downloaded for free. (www.witpress.com/elibrary)

Peer Review

To ensure the quality of our publications, abstracts and papers are double peer-reviewed by members of the International Scientific Advisory Committee and other experts, with manuscripts processed through CrossRef Similarity Check to screen for plagiarism.

Reduced Fee for PhD Students

The Wessex Institute believes in the importance of encouraging PhD students to present and publish innovative research at its conferences. As a result, the Institute offers PhD students a much-reduced conference fee.

Networking

Participants can present their research and interact with experts from around the world, as part of a unique community.

Journal Publication Opportunity

After the conference, delegates will be invited to submit an enhanced version of their conference paper to one of the WIT Press International Journals.

Conference Topics

The following list covers some of the topics to be presented at the conference. Papers on other subjects related to the objectives of the meeting are also welcome.

Water resources management and planning

Sustainable management

Ecological and environmental impact

Water rights and accessibility

Trans-boundary water management

Water markets economics and policies

Water resources in arid regions

Climate change effects

Flood risk management

Drought risk management

Rainwater management

Erosion and sediment transport

Irrigation

Groundwater

Wetlands as water sources

Estuaries and deltas

GIS and remote sensing

Integrated water analysis

Hydraulic structures

Hydropower issues and development

Hydrological modelling

Hydraulic modelling

Application of river hydraulic software

Data acquisition, management & analysis

Experimental measurements

Water quality and health

Agricultural pollutants and organic contaminants

River basin management

River restoration and rehabilitation

Water, food and energy

Water and the community

Case studies



Location

Capital of Lombardy and the second most populated city of Italy, Milan is known for being the centre of the Italian fashion and motor industries, and for being one of the most beautiful cities in Italy. Its rich culture, history and architecture heritage attracts visitors from all over the world. The Duomo, Milan's Gothic Cathedral, is the building which symbolises the city. Entirely built in Candoglia marble, the cathedral was begun in 1386 and only finished centuries later in 1966. La Scala opera house, Da Vinci's "Last Supper" and the impressive Castello Sforzesco are a few of Milan's are only a few of Milan's most famous landmarks.

For those able to spend a few days in Milan, Lake Como is only one hour away by train and Lakes Maggiore and Lugano are also a short distance away.

Submission Information

Abstracts of no more than 300 words should be submitted as soon as possible.

Abstracts should clearly state the purpose, results and conclusions of the work to be described in the final paper. Final acceptance will be based on the full-length paper which, if accepted for publication, must be presented at the conference.

The language of the conference will be English.

Online submission:

www.witconferences.com/wrm2021

Conference Secretariat

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Venue

The Polytechnic of Milan will host the conference at their Milano Leonardo Campus. This campus hosts the University's main management and administrative structures as well the School of Civil, Environmental and Land Management Engineering amongst others.



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For more information visit: www.witconferences.com/wrm2021