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COMUNE DI LIVORNO

CONFERENCE VENUE

Villa Letizia

Via dei Pensieri, 60 - Livorno

Tel. +39 050 2211228 / 221

www.polologista.unipi.it

STRUCTURE OF THE SESSION

The Conference will be organized in thematic sessions, combining invited speakers and open platform presentations. Invited speakers are responsible for the preparation of a summary state-of the art report for each topic, partially based on the papers submitted and accepted.

TECHNICAL EXHIBITION

A Technical Exhibition will be offered as a complement of the oral and poster presentation sessions. Asset management service providers are invited to participate. Visit the Conference website for more information.

LANGUAGE

The working language of the conference is English.

DEADLINES TO REMEMBER

Abstract submission: 10 May 2017

Authors' notification: 15 May 2017

Full paper submission: 30 November 2017

Early bird registration: 15 June 2017

CONTACTS

For more information about the Conference, visit:

iwa2017.ec.unipi.it or send a message to:

iwa-livorno2017@aicgroup.it



WATER CHALLENGES IN XXI CENTURY : ROLE OF ECONOMICS, STATISTICS AND ASSET MANAGEMENT



Villa Letizia

Livorno, Italy

11-13 September 2017



4th International Conference on Water Economics, Statistics and Finance
Conference on Infrastructure Asset Management and Utility Bankability

ORGANISING SECRETARIAT

ASTI INCENTIVES & CONGRESSI Srl - P.zza San Uomobono, 30 - Pisa, Italy

Tel. +39 050 598808 / 541402 - Fax +39 050 0987825

iwa-livorno2017@aicgroup.it - www.aicgroup.it

Invitation

We are pleased to invite you to participate in the third IWA conference "WATER CHALLENGES IN XXI CENTURY" jointly organized by the Strategic Asset Management Specialist Group and by the Specialist Group on Statistics and Economics. The conference will be held in parallel with the 4th International Conference on Water Economics, Statistics and Finance, in the beautiful Livorno. The conference global theme, "ECONOMICS, STATISTICS, FINANCE, INFRASTRUCTURE ASSET MANAGEMENT AND UTILITY BANKABILITY", underpins major challenges of water utilities around the world. Financial and operational sustainability of water services either in developed regions, emerging economies or developing countries is crucial, not only to assure adequate present and long term service levels, but also to attract financial resources needed for building, rehabilitating, refurbishing and renewing water infrastructures and assets. In fact, the failure to effectively connect capital to infrastructure projects is holding back progress in water supply and sanitation goals, in developing countries. On the other hand, in developed countries, water infrastructures are degrading and public and private utilities are facing a huge backlog of replacement costs and rehabilitation, due to a lack of sustainable asset management practices. The implementation of long-term strategic policies are missing. In this framework, during the conference, water policy-makers and regulators, utility managers, planners and operators, scientists and academics, investing institution professionals, engineering developers and contractors, consultants and other water professionals from all over the world are invited to reflect, debate and present state-of-the art keynotes related to the improvement of water infrastructures' performance and sustainability, in a global context of increasing risks and complexity.



Livorno - IWA 11 - 13 of September 2017

- **4th international conference on Water Economics, Statistics and Finance**
- **Conference on Infrastructure Asset Management and Utility Bankability**

Conference program

1. **Plenary session: Water Governance, Regulation and Finance**
11th of September - Villa Letizia, main room (1030 - 1300; 1430 - 1800)
2. **Plenary session: Circular Economy and Smart Technologies**
12th of September - Villa Letizia, main room (0900 - 1300)
3. **Parallel sessions - 12th of September** - Villa Letizia, main and secondary rooms (1400 - 1800)
4. **Parallel sessions - 13th of September** - Villa Letizia, main and secondary rooms (0900 - 1300; 1430 - 1800)
5. **Technical and Touristic Tour - 14th of September** - Val di Cornia Water Plant and vineyards

Villa Letizia, Via dei Pensieri 60, 57124 - Livorno (Italy)

WATER CHALLENGES IN XXI CENTURY: ROLE OF ECONOMICS, STATISTICS AND ASSET MANAGEMENT

Organising Committee

Andrea Guerrini (Co-Chair), University of Verona, Italy
Giulia Romano (Co-Chair), University of Pisa, Italy
Guillermo Donoso (Co-Chair), Pontifical Catholic University of Chile, Chile
Jaime Gabriel Silva (Co-Chair), Polytechnic of Porto - School of Engineering / Águas Santo André, Portugal
Helena Alegre, LNEC, Portugal
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Ed Smeets, EdmadiBV, The Netherlands
Katerina Stamatelatou, Democritus University of Thrace, Greece
Konstantinos Tsagarakis, Democritus University of Thrace, Greece

4th International Conference on Water Economics, Statistics and Finance

Scientific and Program Committee

Giulia Romano (Co-Chair), University of Pisa, Italy
Guillermo Donoso (Co-Chair), Pontifical Catholic University of Chile, Chile
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Alex Godoy, University for development (University of Desarrollo), Chile
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María Molinos-Senante, Pontifical Catholic University of Chile, Chile

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Jean Daniel Rinaudo, BGRM - France
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Marta Suarez-Varela, University of Valencia, Spain
Cecilia Tortajada, Institute of Water Policy, Lee Kuan Yew School of Public Policy, National University of Singapore
Konstantinos Tsagarakis, Democritus University of Thrace, Greece
Yacov Tsur, The Hebrew University of Jerusalem, Israel
Felipe Vasquez Lavin, University for development (University of Desarrollo), Chile
Stefanos Xenarios, Organization for Security and Cooperation (OSCE), Denmark

Conference on Infrastructure Asset Management and Utility Bankability

Scientific and Program Committee

Andrea Guerrini (Co-Chair), University of Verona, Italy
Jaime Gabriel Silva (Co-Chair), Polytechnic of Porto - School of Engineering / Águas Santo André, Portugal
Helena Alegre, LNEC, Portugal
Rita Amaral, University of Lisbon, Portugal
Manuel Alvarinho, Water Regulatory Council, Mozambique
Ana Barreto Albuquerque, ERSAR - The Water and Waste Services Regulation Authority, Portugal
Francesco Fatone, Polytechnic University of Marche, Italy
Scott Haskins, CH2M, USA
Renato Iannelli, University of Pisa, Italy
Mel Karam, KPMG, England
Aisha Mamade, University of Lisbon, Portugal
Rui Marques, University of Lisbon, Portugal
José Pedro Matos, Swiss Federal Institute of Technology in Lausanne, Switzerland
Carlos Schauff, Compumax Informática / World Bank Consultant / ABES, Brazil
Alexandra Serra, Águas de Portugal Serviços Ambientais SA, Portugal
João Simão Pires, Portuguese Water Partnership / Catholic Lisbon School, Portugal
Katerina Stamatelatou, Democritus University of Thrace, Greece
Vladimir Tausanovic, Belgrade Waterworks, Republic of Serbia
Caty Wery, Irstea-Enges GESTE (GESTion Territoriale de l'Eau et de l'environnement), France
Will Williams, Black & Veatch, UK

Subject and topics

Water policy-makers and regulators, utility managers, planners and operators, scientists and academics, investing institution professionals, consultants and other water professionals are invited to participate and submit abstracts related to the ECONOMICS, STATISTICS, FINANCE, INFRASTRUCTURE ASSET MANAGEMENT AND UTILITY BANKABILITY. Young water professionals are also most welcome, and encourage to participate.

Main target-topics are:

- Water statistics and data collection methods
- Water governance, regulation, and institutional frameworks
- Urban water supply and sanitation
- Rural supply and sanitation
- Agricultural water management
- Financial strategic planning for sustainable urban water services
- Risk management
- Water infrastructure performance assessment and decision making
- Life cycle cost assessment: data and methodologies
- Best practices in investment prioritization
- Innovative financing solutions for water infrastructure rehabilitation
- Long term financing and asset management strategies
- Communicating asset management
- Information systems and solutions to support long term AM strategies
- Best practices in integrating information solutions to develop "computer aided" AM
- Solutions for water infrastructure sustainability in developing regions

Submitted papers will be presented in oral or poster platform and, after the conference, selected papers will be peer reviewed to be published.