

NOVEMBER 24th 2017

Sustainable and resilient water management in urban environment

Milan (Italy)

Marco Granelli, Davide Corritore, Alberto Biancardi, Italia Pepe, Stefano Cetti, Luca Lucentini, Dario Fossati, Viviane Iacone, Giuseppina Sordi, Fabio Marelli, Mary Ann Dickinson, Manuela Antonelli, Luca Alberti, Matteo Monti, Gianfranco Becciu, Carlo Chiesa, Lorenzo Persi, Massimo Ghia, Giovanni Brignoli, Francesco Sirio, Tomaso Barni, David Duccini, Francisco Cubillo, Canal de Isabel II°, Mario Giacobbo Scavo, Andrea Ridi, TBD, Dragan Savic, Nicola Rivezzi, Oreste Galasso, Simon Bunn, Piero Fraternali, Jacob Tompkins OBE, Silvia Tonoli, Emilio Lanfranchi, Ainhoa Lete, Marco Fantozzi, Teresa Gentile, Luke Hart, Sami Dahmani, Karel Gortz, Amir Cahn



Milano



AMBITO TERRITORIALE OTTIMALE
CITTÀ METROPOLITANA DI MILANO



Programme of the Conference

08:15–09:00

REGISTRATION & COFFEE

09:00–09:15

WELCOME & INTRODUCTION TO THE CONFERENCE

Marco Granelli, Municipality of Milan

Davide Corritore, President, MM Spa

09:15–10:00

"RELATIONSHIP BETWEEN REGULATOR AND WATER UTILITY FOR A SUSTAINABLE AND RESILIENT WATER MANAGEMENT IN URBAN ENVIRONMENT: THE ITALIAN & MILAN EXPERIENCE"

Alberto Biancardi, Commissioner, Italian Regulatory Authority for Electricity Gas and Water

Italia Pepe, General Director, ATO Città Metropolitana di Milano

Stefano Cetti, Director, MM Spa

10:00–11:00

"NEW RULES FOR RISK MANAGEMENT"

Moderator: **Laura Scesi**, Politecnico di Milano

- *Quality of water for human consumption: activities and prospects* – **Luca Lucentini**, Director Ministry Department of Health
- *Actual and future status of Seveso river in Milan* - **Dario Fossati**, General Director Environment, Region Lombardy
- *Water resources in Lombardy Region: rules and governance* - **Viviane Iacone**, Director Water Resources, Region Lombardy
- *Milano: a city of water – Challenges and opportunities of managing water in urban environment* - **Giuseppina Sordi** – Director Environment and Energy, Municipality of Milan
- *Safe water: the added value of technology and innovation* - **Fabio Marelli**, Director Water Services, MM Spa
- *The new frontier in water efficiency in water management* - **Mary Ann Dickinson**, CEO, Alliance for Water Efficiency (USA)

11:00–11:30

COFFEE BREAK

11:30–13:00

"INVESTMENTS PLANNING AND INNOVATION FOR WATER DISTRIBUTION MANAGEMENT"

Moderator: **Alberto Guadagnini**, Politecnico di Milano

- *Monitoring and removal of emerging contaminants* - **Manuela Antonelli**, Politecnico di Milano – Angela Manenti MM
- *Mapping and evaluation of contamination of ground water resources to better protect ground water in the city* - **Luca Alberti**, Politecnico di Milano – **Matteo Monti**, MM
- *Modeling Milan water distribution system for innovative network management and design* – **Gianfranco Becciu**, Politecnico di Milano – **Carlo Chiesa**, MM
- *Investments planning strategy in MM to support innovative water distribution management* - **Lorenzo Persi**, MM
- *Cogeneration with heat pump at AP Salemi station in Milan* – TBD, A2A, **Massimo Ghia**, MM
- *Experiences in removing esavalent chrome at Crescenzago, Anfossi and Armi pumping stations in Milan* – **Giovanni Brignoli**, **Francesco Sirio** A2A, **Tomaso Barni**, MM

13:00–14:00

LIGHT LUNCH

Programme of the Conference

14:00–14:50

"INDUSTRY 4.0: THE NEW FRONTIER IN FINANCING INNOVATION IN THE WATER INDUSTRY"

Moderator: **Marco Fantozzi**, IWA water loss regional representative for Europe

- *Innovative solutions in water distribution management* - **David Duccini**, Suez Environnement, Paris
- *Efficient management of water in urban distribution systems* - **Francisco Cubillo**, Canal de Isabel II°, Madrid
- *Industry 4.0: the new frontier in financing innovation in the water industry* - **Mario Giacobbo Scavo**, Value Services
- *The use of artificial intelligence to improve the decision-making capabilities in MM*: **Andrea Ridi**, Rulx Inc
- *The status of the water market: an international perspective*, **TBD**, Bluefield Research

15:00–15:50

"USING DIGITAL TECHNOLOGIES AND ANALYTICS TO DERIVE MORE VALUE FROM WATER INDUSTRY PHYSICAL ASSETS"

Moderator: **Amir Cahn**, SWAN (Smart WAter Networks) Forum

- *Building Customer Resilience (reliable service, water efficiency, customer engagement)* **Dragan Savic**, University of Exeter
- *ICT as a key enabler of water supply systems' process optimization and transformation – the example of MM Spa for the city of Milan* - **Nicola Rivezzi**, MM
- *Smart city operation center* – **Oreste Galasso**, A2A Smart City
- *What is the energy savings potential in a distribution system?: Evidences from international case studies"* – **Simon Bunn**, Board Member SWAN (Smart WAter Networks) Forum
- *From Smart City to Smart Society* – **Piero Fraternali**, Politecnico di Milano

15:40–16:00

COFFEE BREAK

16:00–16:40

"METER READING AND ADVANCED DATA ANALYTICS"

Moderator: **Keith Hilson**, Board Member SWAN (Smart WAter Networks) Forum

- *Water efficiency behaviours at homes* - **Jacob Tompkins OBE**, Managing Director, Waterwise
- *Meter reading process automation; from a regulatory obligation to an opportunity to rethink and reengineer the way we enable energy distribution services and integrate new ones* - **Silvia Tonoli**, A2A
- *Advanced smart metering: Milan water project* – **Emilio Lanfranchi**, MM
- *Big data and advanced analytics in meters management* – **Ainhoa Lete**, BuntPlanet

16:40–17:20

"STRATEGIC ASSETS MANAGEMENT"

Moderator: **Roberto Zocchi**, Executive Director WRc

- *Leakage detection, condition assessment and asset rehabilitation planning for investment prioritization and optimization in Milan water system* – **Marco Fantozzi**, Studio Marco Fantozzi, **Teresa Gentile**, MM
- *Asset management and Investment planning* - **Luke Hart**, Servelec
- *Water loss management in large diameter pipes* – **Sami Dahmani**, Pure Technologies
- *Condition assessment and water loss management in large diameter pipes* – **Karel Gortz**, Echologics

17:20–18:00

ROUND TABLE DISCUSSION: "WHAT IS THE LONG-TERM VISION FOR SUSTAINABLE AND RESILIENT WATER MANAGEMENT IN THE CITY OF THE FUTURE?"

Moderator: **Francisco Cubillo**, Canal de Isabel II°, Madrid (Spain).

Participants: **David Duccini**, **MaryAnn Dickinson**, **Amir Cahn**, **Fabio Marelli**, **Dragan Savic**.

QUESTIONS/ANSWERS AND CONCLUSIONS

Sustainability and resilience are the challenges water utilities have to face while Smart Cities are becoming a reality around the world, as leaders and regulators embrace technology and innovation to meet their cities' growing infrastructure needs and sustainability goals. What role is water, arguably the most important of all services provided by a city, playing in the city of the future?

Join us for the Conference in Milan to:

- Hear from utilities around Europe engaged in different stages of smart city planning. What are the opportunities as well as challenges and obstacles that utilities need to be overcome to guarantee sustainable and resilient water management in urban environment by means of innovation?
- Hear from technology providers whose technologies are being implemented as part of a smart city plan or an integrated water network.
- Increase your awareness on how the adoption of data-driven technologies is supporting water utilities in managing water and wastewater networks worldwide.
- Hear about the vision for the smart city as a platform for improving customer service and city sustainability/resilience into the future. This event brings together key voices from across the European leading utilities and innovators.

This event is the follow up of the Workshop: SMART WATER IN THE CITY OF THE FUTURE held in Milano on OCTOBER 2015 which attracted over 220 attendees from 10 countries! A diverse range of speakers discussed the challenges and benefits of applying smart technologies for creating resilient water and wastewater systems.

