

Conference

## Water and urban resilience: planning the future of metropolitan areas

4<sup>th</sup> July 2016 – 9 am

“Base Milano” via Bergognone 34, Milan

MM2 Porta Genova

The environmental and climatic changes of the last few decades have made the need to develop an integrated approach to the management of the soil and water even more evident.

The Paris Climate Change Conference (COP21) further illustrated the decisive role that water resources can play in the creation of a sustainable development model that is able to combat the effects of climate change in cities. However, to do this a multidisciplinary, coordinated approach between the various parties involved in regional, environmental and water planning processes is necessary.

Water management is the perfect sector in Italy for the implementation of large-scale policies that can overcome the fragmentation generated by administrative boundaries that make it difficult to adopt a supra-municipal view when it comes to resources, like water, which by their very nature interest very large geographical areas.

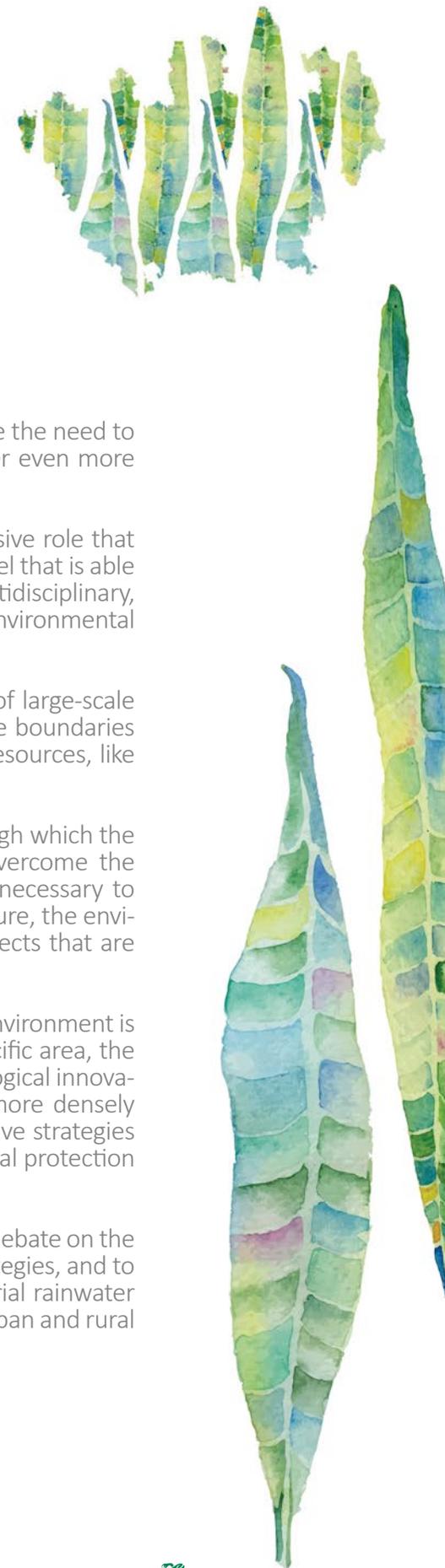
The European Union has addressed these issues in various directives through which the Member States are requested to develop an integrated approach to overcome the problem of segmentation and fragmented decision-making. In fact, it is necessary to coordinate urban planning tools with policies for energy efficiency, agriculture, the environment and the management of water resources in order to shape projects that are able to direct local development towards the goal of sustainability.

More specifically, the issue of the management of rainwater in the urban environment is one of the main problems connected with the water resource. In this specific area, the EU promotes research into integrated solutions that can introduce technological innovation systems and environmental protection measures. Furthermore, in more densely populated areas only a holistic approach can contribute to defining effective strategies that address the issue of hydraulic safety as part of an overall environmental protection strategy.

The conference has two goals: to further develop the European and Italian debate on the role of water management in the creation of sustainable development strategies, and to present a number of pilot projects, promoted by the CAP Group, which trial rainwater management solutions, exploiting the potential interaction between the urban and rural environments.

info: [comunicazione@capholding.gruppocap.it](mailto:comunicazione@capholding.gruppocap.it)

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# Water and urban resilience: planning the future of metropolitan areas

## Programme

**8.30–9.15 am** Reception and registration

Moderated by: **Antonio Cianciullo**, reporter of “La Repubblica” daily newspaper and editor-in-chief of the “Renewable Matter” magazine

**9.15 am**

### Welcome Speeches

Giuseppe Sala, mayor of the Metropolitan City of Milan\*  
Maurizio Martina, minister of Agricultural Policies  
Pietro Luigi Ponti, president of the Provincial Council of Monza e Brianza  
Claudia Maria Terzi, councillor for the Environment of the Region of Lombardy  
Giancarla Marchesi, president of the Water and Waste Regulatory Authority of the Metropolitan City of Milan

**9.45 am**

### Introduction

Alessandro Russo, president of Gruppo CAP

**10 am**

### Regulator’s perspective and the importance of investment in metropolitan areas

Alberto Biancardi, president of WAREG (European Waters Regulators) and member of the board at AEEGSI (Italian Authority for Electricity, Gas and Water Services)

**10.15 am**

### Water governance in the cities: an OECD perspective

Oriana Romano, policy analyst, OECD water governance programme

**10.30 am**

### Private-public partnership for sustainable and smart cities

Eva Bufi, executive director of UN PPPs in Smart and Sustainable Cities

**10.45 am**

### Sustainable change in metropolitan areas

Caterina Sarfatti, C40 strategic programme manager

**11.00 am**

### The future of water in urban areas: the operator’s role

Michele Falcone, general manager of Gruppo Cap

**11.15 am**

### The Lyon confluence experience\*

Jean Paul Colin, vice president of the Metropolitan City of Lyon

**11.30 am**

### Watersensitive Rotterdam

Dirk van Peijpe, founder of De Urbanisten

**11.45 am**

### Flood prevention of risk in Barcelona

Gustavo Ramon Wilhelmi, manager of Operations of Barcelona Water Cycle SA (BCASA)

**12 am**

### Integrated sustainable water management projects in urban areas.

#### The Essen experience

Mario Sommerhäuser, head of department for water management, strategic affairs and of the board of directors of Emschergenossenschaft Water Association, Essen

**12.15am**

### Sustainable water management in the city of Malmö

Roland Zinkernagel, sustainability strategist of the City of Malmö



- 1 – 2 pm**      **Light lunch**
- 2 pm**            **The Flood Hide project – Feasibility study on the use of the small water grid for balancing urban runoff**  
 Claudio Gandolfi, full professor at the University of Milan  
 Gian Battista Bischetti, associate professor at the University of Milan
- 2.15 pm**        **Land use planning and participation, the River Contract experience**  
 Viviane Iacone, water planning, protection and requalification director of the Region of Lombardy
- 2.30 pm**        **Objectives and strategies for water management in metropolitan areas**  
 Alberto Altomonte, responsible for the water services of the Metropolitan City of Milan
- 2.45 pm**        **The new regional law on soil preservation and management of watercourses**  
 Dario Fossati, director of the land protection unit of the Region of Lombardy
- 3.00 pm**        **Riparian zones and habitats in nutrient retention - potential for the water management in agro-urban systems**  
 Raffaella Balestrini, researcher, Water Research Institute – CNR
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- ROUND TABLES**  
 Moderated by Pier Carlo Anglesse, technical department manager of Gruppo CAP
- 3.15 pm**        **Replanning nature in a metropolis**  
 Dario Kian, service unit manager for the Region of Lombardy  
 Andreas Kipar, president of Studio LAND  
 Franco Sacchi, director of the PIM Study Centre  
 Damiano Di Simine, scientific manager Legambiente Lombardia
- 4.00 pm**        **Meteoric water and drainage systems in resilient cities**  
 Mario Fossati, technical manager of the Eastern Ticino Villoresi Cleanup Consortium  
 Armando Brath, full professor at the University of Bologna – Italian Hydrotechnical Association  
 Marco Callerio, water treatment design engineer and manager of Gruppo CAP
- 4.45 pm**        **Water recovery, wastewater and agriculture: are they compatible with one another?**  
 Sergio Papiri, associate professor at the University of Pavia  
 Claudio Lubello, full professor at the University of Florence  
 Roberto Isola, general manager of the Eastern Sesia – Novara Irrigation Association  
 Andrea Lanuzza, sewage and wastewater department director of Gruppo CAP

\* to be defined

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The conference entitles participants to 3 VTCs (vocational training credits) authorized by the Professional Association of Engineers in Milan and 5 VTCs authorized by the Professional Association of Architects. Training credits have also been requested from the Associations of Geologists and Chemists.



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