



Enel Foundation
Energy for Knowledge

Energies for Future Urban Environment

Rome, Enel Auditorium

Viale Regina Margherita, 125

July 2, 2013 (9:00 – 17:30)

July 3, 2013 (9:30 – 16:30)

Background

Nowadays, more than half the population of the world is urban. By 2030, the fraction of people living in cities will raise to 60%, with a large part concentrated in developing countries.

As the process of urbanization unfolds, encompassing the entire world, the phenomenon of the city reveals its primary essence as engine of the human progress and creative environment to generate innovation, dynamism, culture and economies. In this sense, the increasing of the urbanization, especially in developing countries, is the basis of new rising economies that are shifting the equilibria of the human society and its environment. Together with the fast urbanization new challenges and critical phenomena arise, such as megacities, social inequalities and poor living conditions, resource scarcity, pollution and climate change.

A new perspective for our urban development is needed to take on these environmental and social challenges: sustainable urban development is the framework for reshaping the concept of urban environment and the sustainable growth of the future society.

Aim of the Conference

The International Conference "*Energies for Future Urban Environment*" aims at providing a context where international experts and high level scholars interweave their visions on different key topics related to the future of urbanization such as:

- the phenomenon of megacities
- the use of energy and resources in the future cities
- the cities as nodes of the global socio-economic network
- the paradigm of smart cities and the new role of citizens in the digital urban environment

Scientific coordination and speakers

The scientific coordinator of the conference is Prof. Oriol Nel·lo, from Autonomous University of Barcelona, and member of the International Scientific Committee of Enel Foundation.

The speakers are selected among internationally known scholars in different thematic areas of Sustainable Urban Development.



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AGENDA

08:30 – 09:00 **Registration and Welcome coffee**

09:00 – 09:45 **Opening Ceremony**

Paolo Andrea Colombo, *Enel Chairman and Enel Foundation International Scientific Committee Chairman*
Oriol Nel-lo, *Scientific Coordinator of the Conference, Autonomous University of Barcelona*
Maurizio Lupi, *Italian Minister for Infrastructure and Transport*

09:45 – 11:15 **Session I – Cities in the global socioeconomic network: urban society and social inequalities**

Speakers

Zhu Dajian, *Tongji University, Shanghai*
Jan van der Borg, *Erasmus University, Rotterdam*
Eduardo López Moreno, *UN-Habitat [TBC]*
Francesc Muñoz, *Autonomous University of Barcelona*

11:15 – 11:30 **Coffee break**

11:30 – 13:00 **Session II – Urban ecosystems: resources and energy**

Speakers

Christopher Kennedy, *University of Toronto*
Federico Butera, *Polytechnic of Milan*
Stefaan Simons, *UCL Australia*

13:00 – 14:30 **Lunch**

14:30 – 16:00 **Session III – Visions and projects for sustainable cities: new technologies and infrastructures**

Speakers

Richard Plunz, *Columbia University, New York*
Carlo Ratti, *MIT, SenseAble City Lab [TBC]*
Chris Goodall, *Carbon Commentary*
Pier Paolo Maggiora, *Pier Paolo Maggiora & Associati*



16:00 – 16:15 **Coffee break**

16:15 -17:15 **Roundtable - Policies and best practices for sustainable infrastructures as engines of sustainable urban growth**

This roundtable aims at providing a meeting place where utilities, policy makers and experts can discuss about policies and best practices in the sustainable management of energy, water, waste, and mobility. Histories of success, visions, and cutting-edge topics will be discussed considering the infrastructures as engines of a sustainable urban growth.

Moderator

Andrea Granelli, *President Kanso*

Speakers

Marco Doria, *Mayor of Genoa* – Genoa Smart City

Piero Fassino, *Mayor of Turin* – Initiatives for the sustainable management of the infrastructures in the municipality of Turin

Gustavo Bonato Fruet, *Mayor of Curitiba* – Sustainability initiatives in water management of Curitiba municipality

Francisco de la Torre Prados, *Mayor of Malaga* – Initiatives for the sustainable management of energy in the Municipality of Malaga

Evans Kidero, *Governor of Nairobi* – The “Integrated Solid Waste Management Plan” in Nairobi [TBC]

Xavier Trias, *Mayor of Barcelona* – Smart Urban Mobility and the “Barcelona Model” [TBC]

Patrick Rimbert, *Mayor of Nantes* – Urban sustainability initiatives in the Municipality of Nantes [TBC]

Gianfilippo Mancini, *Enel Group, Director of Generation and Energy Management and Market Division* – From service to commodity and back. The evolution of electricity provision in a smart technology framework

17:15 – 17:30 **Conclusion**

Fulvio Conti, *Enel Chief Executive Officer and General Manager, Enel Foundation Chairman*



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July 3, 2013 (9.30 – 16.30)

09:00 – 09:30 **Registration**

9:30 – 10:30 **Workshop - Urban metabolism of megacities**

Chris Kennedy, *University of Toronto*
Anna Brogi, *Enel Group, Infrastructure and Networks Italy*
Renata Mele, *Enel Foundation*

10:30 – 10:45 **Coffee Break**

10:45 – 11:45 **Workshop - Analysis of energy consumption and energy efficiency in informal settlements of developing countries**

Federico M. Butera, *Polytechnic of Milan*
Vincent Kitio, *UN-Habitat*
Renata Mele, *Enel Foundation*

11:45 – 12:45 **Workshop - Energy efficiency in the built environment - In collaboration with IEA Sustainable Buildings Centre**

Yamina Saheb, *IEA Sustainable Buildings Centre*
IEA speaker [TBC]
Mariano Morazzo, *Enel Foundation*

12:45 – 14:15 **Lunch**

14:15 – 15:15 **Workshop - Integration of renewables in the urban landscape - In collaboration with RES4MED (Renewable Energy Solutions for the Mediterranean)**

Roberto Vigotti, *RES4MED*
Cinzia Abbate, *GSE Consultant*
Alessandro Rubino, *Enel Foundation*

15:15 – 15:30 **Coffee break**

15:30 – 16:30 **Workshop - Energy transitions in cities**

Leo van den Berg, *University of Rotterdam*
Mariano Morazzo, *Enel Foundation*