

CWIN17

Complex Water Infrastructures and Sustainability Lucca, 12 October 2017

Aim of the workshop is to discuss relevant aspects related to the future of water infrastructure in the era of climate change and water scarcity. Policy makers, representatives from utilities, companies and academy will discuss cutting-edge trends and topics regarding:

- Digitalization of water infrastructure
- Adaptation to water scarcity and climate change
- Water-Energy nexus
- Management of water reservoirs
- Best practices in water infrastructures management

Venue: Cappella Giunigi

Agenda

9:15-9:30 *Angelo Facchini* IMT- Welcome and introduction

Keynote Speech

9:30-10:00 *Lorenzo Bardelli* Director of the water department at the Italian Regulation Authority- Regulating Complexity

10:00-10:30 *Giuseppe Sardu* Acque S.p.A - Modellazione ad agenti ed analisi dei comportamenti emergenti: un caso applicativo su universo WFM

10:30-11:00 Refreshment Break

11:00-11:30 *Emanuele Perugini* Trenta Science Communication - "Bracciano Smart Lake": storytelling the water crisis of the Bracciano Lake (Italy)

11:30-12:00 *Lorenzo Segato* Research Centre on Security and Crime - Water Crimes

12:00-12:30 *Armando di Nardo* Università degli studi "Vanvitelli" - Complex networks and water distribution grid resilience

12:30-13:00 *Alfonso Damiano* University of Cagliari - The water energy nexus in Sardinia

13:00-13:15 *Gabriele Oliva* - Closing remarks

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Complex Energy Infrastructures and Sustainability Lucca, 13 October 2017

Aim of the workshop is to discuss relevant aspects related to critical energy infrastructures, offering the point of view of academia, policy makers, regulators, and utilities.

The energy paradigms are changing, and the workshop aims to offer a wide view on cutting edge topics related to:

- Energy markets
- New services for customers
- Green mobility
- Climate change and resilience of energy infrastructure
- Smart energy systems
- Water-energy nexus

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Agenda

9:15-9:30 *Angelo Facchini* IMT - Welcome and introduction

Keynote Speech

9:30-10:00 *Riccardo Basosi* H2020 Italian representative for Clean, Safe, and Secure Energy- Introductory remarks on European Energy Policies toward Sustainable Development

10:00-10:30 *Alessandro Rubino* OFGEM, UK- Regulation of energy infrastructures in the age of climate change and renewable energy

10:30-11:00 Refreshment Break

11:00-11:30 *Umberto Perna* ENI S.p.A- Technological and business model transition for Oil&Gas companies

11:30-12:00 *Antonio Scala* CNR-ISC - Complexity science for critical infrastructure network: a focus on energy and water

12:00-12:30 *Alfonso Damiano* University of Cagliari - Smart Grids and electric mobility in Sardinia

12:30-12:40 *Angelo Facchini* IMT- Closing remarks