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PANEL for TRACK 1: Sustainable development for cities and environment

Smart energy systems for smart city districts

MONDAY - September 10, 14:00-16:00, Aula Magna

Time	Author/Presenter	Affiliation	Title	Note
14:00	Carlo Alberto NUCCI	Alma Mater Studiorum – University of Bologna	Introduction and overview on smart energy systems and smart cities	
14:20	Maurizio CELLURA	University of Palermo	Digitalisation, Decarbonisation, Distributed renewable generation: on the interaction of the 3 “D” of the energy sector with the concept of life cycle	
14:40	Dario Dall'Acqua	ENEL Distribuzione S.p.A.	TBD	
15:00	Vincenzo PICCOLO	ENI S.p.A.	ENI approach to sustainable mobility	
15.20	Open Discussion			

ABSTRACT: The integration of renewable sources into the power grid and the integrated vision of energy systems, for example by jointly managing electricity and heating systems in urban contexts, are two the key challenges of recent years in the energy area. The smart grids paradigm - non necessarily limited to electricity grids - is expected make it possible the accomplished of such a major goal. These intelligent energy developments are likely to occur in the so-called smart city environment: our cities are indeed paving the way for the decarbonisation of our economies. Smart cities, however, include more than just energy, potentially looking for synergies with water, sustainable mobility, etc.. What are next steps in order to reduce carbon footprint and to allow people to move and to use energy for their basic needs in a sustainable, environmental way is the question that has motivated this panel.