SMART CITIES

as enablers of sustainable development: a European Challenge

Wednesday, July 4th, 12 am – 9 pm
Berlin, Italian Embassy

PROGRAM

12.00 – 12.05 WELCOME ADDRESS

H.E. Pietro Benassi, Ambassador of Italy to Germany

12.05 – 12.15 KEYNOTE SPEECH

Citizen-centric and digital - Germany on its way to a smart nation

Dorothee Bär, Minister of State for Digitalisation at the Federal Chancellery

12.15 – 13.15 ROUNDTABLE 1

Mobility, Low-Carbon and E-solutions in Europe

Between 2005 and 2016, the number of vehicles with an electric engine and plug-in hybrid electric vehicles in the world rose by an average of 94%, topping 2 million in 2016. Italy is also part of this e-Mobility Revolution, even though there is a long way to go towards Italy's transition to electric. The panel will discuss different strategies. This is especially true of Italy, which has more vehicles per capita than any other country in Europe (610 cars per 1,000 inhabitants, compared to 548 in Germany and 484 in France), and where 14% of cars on the road are over 20 years old, placing Italy near the bottom of the table in Europe, with serious consequences for environmental and urban sustainability.

Julia Hildermeier, Clean Vehicles and E-Mobility Officer, Transport & Environment
Ulf Schulte, Managing Director, Allego GmbH, Berlin
Dr. h. c. Wolfgang Kniejski, EIC Digital, Business Development
Veronica Bellonzi, Head of mobility systems development, Milan
Klaus Illigmann, Director, Urban Planning and Regulation, Munich
Dirk Vogel, Network Manager, AMZ – Network of Automotive Suppliers, Saxony

13.15 – 14.00 LUNCH BREAK

14.00 – 15.00 KEYNOTE ADDRESSES – SPOTLIGHT CITIES

Simone Mori, President, Elettricità Futura, and Head of European Affairs, ENEL
Dr. Thomas Becker, Vice President, Governmental and External Affairs, BMW Group
Giovanni Bettarini, City Counsellor for Urban Development and Smart City, Florence
Paola Pisano, City Counsellor Innovation and Smart City, Turin

15.00 – 16.00 ROUNDTABLE 2

The challenge of connectivity. Towards a European Framework?

Cities will deploy different infrastructures, both for mobility and for connectivity purposes, adopting various approaches: Which is the best solution for which municipality? How can we reshape the future Energy and telecommunication cities' network? Do we need a common legal basis in Europe for Smart cities?

Francesco Fanciulli, Senior Vice President, Business Energy Products, Prysmian Group
Christian Kulick, Managing Director, Economy and Techologies, BITKOM
Nicola Brüning, Head of the BMW Group Representative Office to Germany
Nikolay Tcholtchev, Scientist, Fraunhofer Institute for Open Communication Systems (FOKUS)
Joachim Lonien, Smart City Standard Forum, DIN Institut
Prof. Dr. Lutz Heuser, CEO, ui! - urban institute and Smart City Forum Deutschland

16.00 – 16.30 COFFEE BREAK

16.30 – 17.30 KEYNOTES ADDRESSES - SPOTLIGHT SMART CITY INNOVATION

Renato Galliano, Director for Urban Economy, Innovation, Smart Cities and Employment, Milan
Gernot Lobenberg, Director, Berlin Agency for Electromobility - eMO
Prof. Dr. Gernot Liedtke, Head of the Department on Commercial Transport, German Aerospace Center - Institute of Transport Research
Andreas Gebhard, Founder, re:publica
Dr. Birgit Hofmann, Head of Division, Environmental Innovation and Electric Mobility, Federal Ministry of Economic Affairs and Energy

17.30 – 18.45 ROUNDTABLE 3

"Smart Outlook" 2030: How can we foster community- and commons-driven solutions in Europe?

While technology is a powerful tool to improve urban infrastructure, citizen engagement remains essential to make cities truly sustainable and livable. Unfortunately, the citizen perspective is often ignored in the smart city discussion. What will be the ultimate architecture for the governance of smart cities? Multi-stakeholder dialogue dominated by over-the-top platforms, or bottom-up approaches through civic engagement platforms?

Dr. Georg Zachmann, Senior-Fellow, Bruegel
Björn Siebert, Public Affairs Manager, Door2Door
Layla Keramat, Executive Creative Director, Frog Design, Munich
Prof. Dr. Elke Pahl-Weber, Professor and Director of the Institute of Urban and Regional Planning, Technische Universität Berlin
Dr. Philipp Bouteiller, CEO, Tegel Projekt GmbH
Prof. Dr. Jochen Rabe, Guest professor for Urban Resilience and Digitalization, Einstein Center for Digital Future

18.45 – 19.45 FINAL KEYNOTES

Massimiano Tellini, Global Head of Circular Economy, Intesa San Paolo Innovation Center
Carlo Papa, Director, ENEL Foundation
Prof. Carlo Ratti, Director, MIT Senseable City Lab and Founding partner of Carlo Ratti Associati, Turin

19.45 – 21.00 DRINKS AND NETWORKING

Moderation: Jakob Schlandt, Head of Background Energy and Climate, Der Tagesspiegel

FRAMING THE TOPIC

Cities are consuming 80% of the worldwide produced energy, producing 80% of the global domestic product and are responsible for 70% of greenhouse gas emissions. At the same time political instruments for fostering a global sustainable growth have to be applied and coordinated. Commitments undertaken through the Paris agreement on climate change, and through the 2030 Agenda for more sustainable development adopted by the General Assembly of the United Nations on 25 September 2015 (including on: affordable and clean energy; climate action; industry, innovation and infrastructure) must be translated into action plans, legislative frameworks and budgetary commitments, both at national and municipal level. In order to focus on sustainable growth and to achieve the objectives set for 2030, municipalities have to implement smart city solutions.
Global cities are already pivotal actors of sustainable development and e-mobility, but several of them require a new concept to complete their transition: ICT and the Internet of Things optimize services, infrastructure and resource allocation, allow for better-informed decisions, increased control and choice for citizens, boost economic development and encourage social interaction. They can also make environments eco-friendly, more responsive to people's needs and demographic and economic shifts. ICT enablement can directly contribute to a reduction of greenhouse gas emissions by up to 15% globally by 2030. Nevertheless, the columns of smart city like big data storage and data processing as well as sustainable energy resources are still uncertain issues to explore and to address.

Several Italian municipalities have already embraced digital connectivity and e-mobility as the main investment challenge for the upcoming decades. At the same time, smart city projects are complex and require expertise in different fields to succeed, also to encourage greater public acceptance, inclusive growth and integration: urban planning, architecture, transport, energy solutions, well-functioning public services and a conducive municipal administration. They also require a cooperation between public and private sector with reciprocal benefits in order to balance all the dimensions: financing, public interest, technology, to name a few. There is also a pervasive need to establish effective relationships and interconnectedness among cities (especially small and medium-sized municipalities since they do not have access to the same information as big metropoles) with technology and solution providers, but also to encourage a faster conversion of European urban areas into smart cities, while spurring innovation and growth. This is a first step for a more structured engagement of European cities and leading European providers of smart city solutions which should lead to a faster, more secure and cost-effective digitization of cities to the benefit of their economic, environmental and social development.