

TeMA

Journal of
Land Use, Mobility and Environment

There are a number of different future-city visions being developed around the world at the moment: one of them is Smart Cities: ICT and big data availability may contribute to better understand and plan the city, improving efficiency, equity and quality of life. But these visions of utopia need an urgent reality check: this is one of the future challenges that Smart Cities have to face.

Tema is the Journal of Land use, Mobility and Environment and offers papers with a unified approach to planning and mobility. TeMA Journal has also received the Sparc Europe Seal of Open Access Journals released by Scholarly Publishing and Academic Resources Coalition (SPARC Europe) and the Directory of Open Access Journals (DOAJ).



PLANNING FOR SMART CITIES
DEALING WITH NEW URBAN CHALLENGES

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TeMA

Journal of
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ROCCO PAPA

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The role of urban planner is changing: ICT and big data availability, enabling them to monitor and analyze large amount of data and information, may contribute to better understand and plan the city, improving efficiency, equity and quality of life for its citizens and its capacity to face future challenges. Big data availability is shifting our focus away from the long to the very short term, affecting urban planner's efforts on generating an effective knowledge base for planning.

This third issue of the volume 7 of TeMA Journal of Land Use, Mobility and Environment focuses on this theme with a specific focus on the new urban challenges.

In the FOCUS section two articles have been selected. The first article is named "The role of tourism in planning the smart city" by Rosa Anna la Rocca starts from the consideration that tourism, for the size it has assumed and for its role in the economies needs adequate governance processes, politics and tools in order to reduce impacts on urban quality of life. The emerging paradigm of "Smart City" is an opportunity to reconsider the current urban planning means, but it needs a holistic approach. Nowadays, the technological component of Smart city prevails mainly because of the ease of diffusion of the instruments, rather than an innovation of the processes. Promotion initiatives concentrate exclusively on the city branding, rather than on initiatives to make cities able to support an additional urban load expressed by the tourism demand. Yet, potentialities of the application of new technologies could strengthen the decisional role in defining adequate urban policies to manage urban tourism. However, urban smartness for tourism seems to be concentrated on the amount of apps available to enhance the use of specific resources or, more rarely, of the urban mobility systems. Both the "big data" and the "open data" revolution, in Italy, do not yet seem to have achieved the hoped results, and the availability of data to allow appropriate management actions, is still one of the main difficulties for those involved in the analysis and quantification of the phenomenon. In addition,

the numerous rankings on urban smartness refer to the prevalence of one component on the others, failing to consider the complexity of the urban system and of tourism, in particular.

The second article titled "Politiche 'Smart' e Visione Metropolitana: la Dimensione Territoriale nell'Esperienza Progettuale della Amsterdam Smart City Platform" by Giulia Fini e Salvatore Caschetto aims at presenting the main projects and policies recently developed by the Municipality of Amsterdam in the field of energy policies, with particular reference to the projects promoted in the context of the ASC - Amsterdam Smart City Platform. The paper analyses projects and policies which are relevant for at least three aspects and for the matters raised by them: I. for the aim to connect policies and projects of the Amsterdam Smart City with the definition of a territorial vision for the Amsterdam metropolitan area; territory and the management's choices related to urban planning and urban design; III. the experience is relevant in relation with the consolidation of the ACS's platform as a place where several individuals are directly involved in the management of public services and where all requests and peculiarities contribute to define a common planning process on the energy and environmental fields of action in the metropolitan area. Based on the latest, most significant information of the activities performed by the Amsterdam Smart City Platform, the paper focuses on the results after four years since the projects and tests have been carried out, on the basis of a network structuring actions, energy-saving targets and space-related choices regarding the whole territory as well as ASC's policies.

The section Land-use, Mobility and Environment LUME collects two articles of the broader theme of integration between mobility, urban planning and environment. The article "Urban Taxing Alternatives for Private Vehicles as an Urban Mobility Management System" by Marins, Orrico and Nascimientto reflects on proposals for the use of urban tolls on private vehicles as a form of urban mobility management. The methodology used exploratory research for the development of a theoretical basis and a table was drawn up showing the experience in various countries. The conclusion is that toll fees are economic viable, the social and environmental benefits are considerable and this can be considered an important sustainable mobility strategy.

The second article of the LUME section, titled "Centro Direzionale of Naples. A "Smart" Concept" by Fabrizio Canfora and Fabio Corbisiero, highlights the results of a research conducted in Naples on the empirical case of the "Centro Direzionale". The design and construction of the Centro Direzionale of Naples is, in fact, an archetype of the smart city; a primal testing of "urban intelligence" in terms of transport systems, infrastructure, logistics, systems for energy efficiency and technology. More generally, a good practice of city administration and of exploitation of strategic spatial planning.

Finally the Review Pages define the general framework of the theme of Smart City Environmental Challenges with an updated focus of websites, publications, laws, urban practices and news and events on this subject.