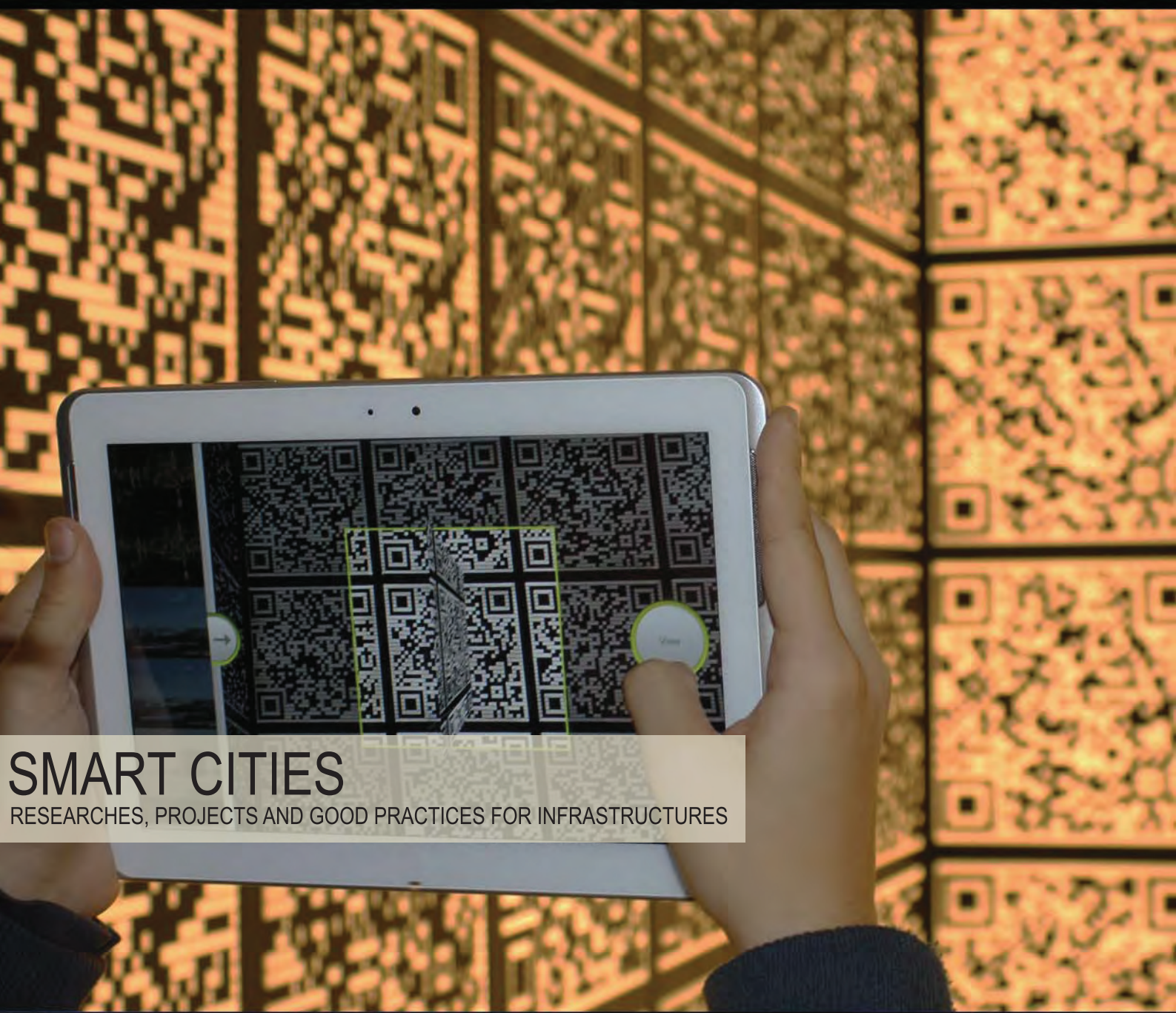


TeMA

Journal of
Land Use, Mobility and Environment

The concept of "Smart City", providing a the solution for making cities more efficient and sustainable has been quite popular in the policy field in recent years. In the contemporary debate, the concept of smart cities is related to the utilization of networked infrastructure to improve economic and political efficiency and enable social, cultural and urban development.

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).



SMART CITIES

RESEARCHES, PROJECTS AND GOOD PRACTICES FOR INFRASTRUCTURES

SMART CITIES: RESEARCHES, PROJECTS AND GOOD PRACTICES FOR INFRASTRUCTURES 3 (2013)

Published by

Laboratory of Land Use Mobility and Environment
DICEA - Department of Civil, Architectural and Environmental Engineering
University of Naples "Federico II"

TeMA is realised by CAB - Center for Libraries at "Federico II" University of Naples using Open Journal System

Editor-in-chief: Rocco Papa
print ISSN 1970-9889 | on line ISSN 1970-9870
Lycence: Cancelleria del Tribunale di Napoli, n° 6 of 29/01/2008

Editorial correspondence

Laboratory of Land Use Mobility and Environment
DICEA - Department of Civil, Architectural and Environmental Engineering
University of Naples "Federico II"
Piazzale Tecchio, 80
80125 Naples
web: www.tema.unina.it
e-mail: redazione.tema@unina.it

TeMA

Journal of
Land Use, Mobility and Environment

TeMA - Journal of Land Use, Mobility and Environment offers researches, applications and contributions with a unified approach to planning and mobility and publishes original inter-disciplinary papers on the interaction of transport, land use and Environment. Domains include: engineering, planning, modeling, behavior, economics, geography, regional science, sociology, architecture and design, network science, and complex systems.

The Italian *National Agency for the Evaluation of Universities and Research Institutes* (ANVUR) classified TeMA as one of the most highly regarded scholarly journals (Category A) in the Areas ICAR 05, ICAR 20 and ICAR21. TeMA Journal has also received the *Sparc Europe Seal for Open Access Journals* released by *Scholarly Publishing and Academic Resources Coalition* (SPARC Europe) and the *Directory of Open Access Journals* (DOAJ). TeMA publishes online under a Creative Commons Attribution 3.0 License and is blind peer reviewed at least by two referees selected among high-profile scientists. TeMA is a four-monthly journal. TeMA has been published since 2007 and is indexed in the main bibliographical databases and it is present in the catalogues of hundreds of academic and research libraries worldwide.

EDITOR- IN-CHIEF

Rocco Papa, Università degli Studi di Napoli Federico II, Italy

EDITORIAL ADVISORY BOARD

Luca Bertolini, Universiteit van Amsterdam, Netherlands
Virgilio Bettini, Università luav di Venezia, Italy
Dino Borri, Politecnico di Bari, Italy
Enrique Calderon, Universidad Politécnica de Madrid, Spain
Roberto Camagni, Politecnico di Milano, Italy
Robert Leonardi, London School of Economics and Political Science, United Kingdom
Raffaella Nanetti, College of Urban Planning and Public Affairs, United States
Agostino Nuzzolo, Università degli Studi di Roma Tor Vergata, Italy
Rocco Papa, Università degli Studi di Napoli Federico II, Italy

EDITORS

Agostino Nuzzolo, Università degli Studi di Roma Tor Vergata, Italy
Enrique Calderon, Universidad Politécnica de Madrid, Spain
Luca Bertolini, Universiteit van Amsterdam, Netherlands
Romano Fistola, Dept. of Engineering - University of Sannio - Italy, Italy
Adriana Galderisi, Università degli Studi di Napoli Federico II, Italy
Carmela Gargiulo, Università degli Studi di Napoli Federico II, Italy
Giuseppe Mazzeo, CNR - Istituto per gli Studi sulle Società del Mediterraneo, Italy

EDITORIAL SECRETARY

Rosaria Battarra, CNR - Istituto per gli Studi sulle Società del Mediterraneo, Italy
Andrea Ceudech, TeMALab, Università degli Studi di Napoli Federico II, Italy
Rosa Anna La Rocca, TeMALab, Università degli Studi di Napoli Federico II, Italy
Enrica Papa, Università degli Studi di Roma Tor Vergata, Italy

ADMISTRATIVE SECRETARY

Stefania Gatta, Università degli Studi di Napoli Federico II, Italy

SMART CITIES: RESEARCHES, PROJECTS, AND GOOD PRACTICES FOR INFRASTRUCTURES 3 (2013)

Contents

EDITORIALE Rocco Papa	291	EDITORIAL PREFACE Rocco Papa
---------------------------------	------------	--

FOCUS

FOCUS

Collecting distributed knowledge for community's smart changes Sylvie Occelli, Alessandro Sciallo	293	Collecting distributed knowledge for community's smart changes Sylvie Occelli, Alessandro Sciallo
City and energy Infrastructures between Economic Processes and Urban Planning Giuseppe Mazzeo	311	City and energy Infrastructures between Economic Processes and Urban Planning Giuseppe Mazzeo
Dati di traffico telefonico e politiche per la mobilità Paola Pucci	325	Mobile Phone Data and Mobility Policy Paola Pucci

TeMA

Journal of
Land Use, Mobility and Environment

LAND USE, MOBILITY
AND ENVIRONMENT

**Smart Mobility:
opportunità e condizioni**
Luca Staricco

341

LAND USE, MOBILITY AND
ENVIRONMENT

**Smart Mobility:
Opportunities and Conditions**
Luca Staricco

EU Smart City Governance
Carmela Gargiula, Valentina Pinto, Floriana Zucaro

355

EU Smart City Governance
Carmela Gargiulo, Valentina Pinto, Floriana Zucaro

OSSERVATORI
Laura Russo, Floriana Zucaro, Valentina Pinto,
Gennaro Angiello, Gerardo Carpentieri

371

REVIEW PAGES
Laura Russo, Floriana Zucaro, Valentina Pinto,
Gennaro Angiello, Gerardo Carpentieri

TeMA

Journal of
Land Use, Mobility and Environment

TeMA 3 (2013) 291-292
print ISSN 1970-9889, e-ISSN 1970-9870
doi: 10.6092/1970-9870/2189

Licensed under the Creative Commons Attribution – Non Commercial License 3.0
www.tema.unina.it

EDITORIAL PREFACE:

SMART CITIES: RESEARCHES, PROJECTS AND GOOD PRACTICES FOR INFRASTRUCTURES

ROCCO PAPA

DICEA - Dipartimento di Ingegneria Civile, Edile ed Ambientale

University of Naples Federico II

e-mail: rpapa@unina.it

URL: www.roccopapa.it

The volume n.6 of TeMA Journal of Land Use, Mobility and Environment deals with the topic of Smart City and this third issue deals in particular with the theme of Smart Urban Infrastructural systems. The main subjects that this issue point out are innovation of networks and infrastructural systems for people and goods mobility; advanced technologies of communication; intelligent systems for energy production and distribution; innovation in the production and management of water systems and disposal; early warning systems; monitoring systems for provision of real time information on different aspects of urban life (mobility, climate conditions, safety and so on). In this broader context one of the key theme is the role of ICT in innovating government and the policy decision processes: by enhancing the linkages between various governmental and social organizations, ICT supported knowledge flows (Socio Technical System) is a mean for sustaining innovation in the public sector since they enables governments to better cope with the uncertainties of a complex environment.

The first article of this issue is named "Collecting distributed knowledge for community's smart changes" by Alessandro Sciullo and Sylvie Occelli. The article is an output of the MIDA project (Monitoring ICT Digital Divide in Asti) that has been carried out in Piedmont Region by the Asti Province government supported by the regional ICT observatory (PICTO). The project, taking inspiration from a crowdsourcing approach, involves citizens in the data collecting activity concerning broadband coverage, Internet access and usages. MIDA has been an opportunity to test the role of Internet as a dynamic collaborative environment in which diverse information, opinions, experiences collective benefits is likely to emerge from aggregated individual contributions, connecting statistically relevant data and interpreted information, thereby shaping a sort of collective learning process. The study suggests that local governments have a main role to play in prompting community transformation processes and to give local government information for policy interventions and to give citizens an opportunity to understand what the contents of the policy interventions are likely to be

about, thus representing an effort to establish relationships between inside and outside government and make the linking between government and governance more effective.

The second article by Giuseppe Mazzeo titled “City and energy infrastructure: a between economic processes and urban planning” analyses the relationships between energy, economy and urban planning, assuming the city as an intelligent system constantly evolving and as a system where economic processes come out at their highest level affecting other aspects of social and urban structure. The article analyzes the meaning of the intelligent city as an entity that is constantly changing and continuously adapting; another aspect studied is the role of the energy systems in the evolution of the activities and of the city's image. Finally the paper investigates the role of the economic factors in the city evolution, pointing out that the way towards smart and green urban systems largely depend on their economic advantages.

The third article by Paola Pucci is titled “Mobile Phone Data and Mobility Policy” and it focuses on the potentialities offered by mobile phone data to provide useful knowledge of spatial practices and the use rhythms of the contemporary city, for more effective and equitable mobility policies. Starting from the results of a research carried out by the Politecnico di Milano, using mobile phone data provided by Telecom Italia and finalized to verify the meaning of mobile phone data in returning the density of land use and the origins and destinations of daily movements, the paper highlights how new maps, based on the processing of mobile phone data can exemplify spatialized urban activities and how they can give new insights for analyze space-time patterns of mobility practices.

The fourth article titled “Smart Mobility Opportunities and Conditions” by Luca Staricco, starts from the assumption that most of the opportunities of smart mobility are related to technological innovations for managing and organizing trips and traffic and for improving the environmental efficiency of vehicles; but the impacts of these innovations, in particular over the long term, depend on how they are embedded by the users in their daily activities and practices. These “boundary conditions” are often disregarded, just as they generally concern not a technological dimension, but the psychological-cognitive and socio-cultural domain. The article analyzes the boundary conditions and the opportunities they can support and which risks can emerge if they are not fulfilled.

In the last article, titled “EU Smart City Governance” the authors Carmela Gargiulo, Valentina Pinto and Floriana Zucano analyse three documents of the European Commission (Cohesion Policy 2014-2020 of European Community, Digital Agenda for Europe and European Urban Agenda) describing the general contents of these policy documents, illustrating the scenarios for the future of the European cities according to them and tracing the evolution of the Smart Cities theme developed by these three instruments.

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