MOBILITY IN EURO – MEDITERANNEAN CITIES; THE SMART CITY CONCEPT

Maroula Alverti
Architect – Urban Planner
PhD Candidate
Cyprus University of Technology

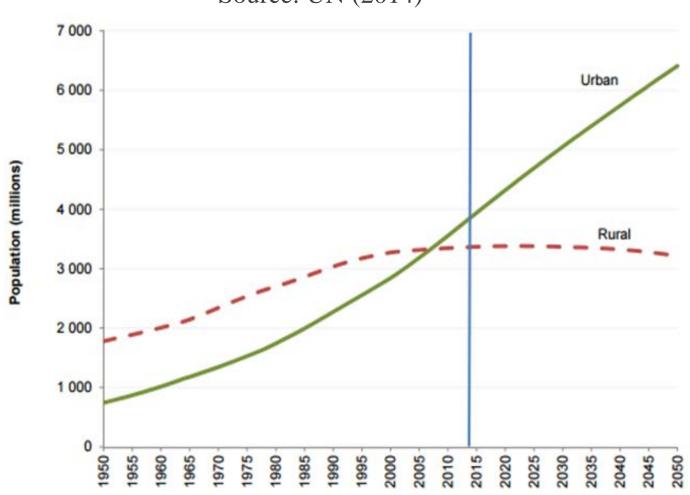


CONTENT

- Introduction modern city challenges
- Definitions of smart city concept
- Smart city characteristics dimensions
- Smart mobility
- Examples and actions (systems, models, awareness)
- Conclusions

GROWTH OF GLOBAL POLULATION





SMART CITY TERM DEFINITION

Key words	Academic	Business (vendors)	Governmental
Governance improvement	X		
Economic growth		X	X
Social cohesion	X	X	
Productiveness		X	
Sustainable environment	X	X	X
Sustainability	X	X	X
Energy			X
Quality of life	X		X
Health and safety			X
Mobility improvement	X	X	X

SMART CITY TERM DEFINITION

THE HUMAN CAPITAL

- an essential element, for a city to become smart (Bakıcı et al. 2013),
- Efficient services to citizens improving quality of life ICT as a tool set (NOT obligatory),
- Smart city as an innovation ecosystem (citizen society entrepreneurship).

OPERATIONAL SMART CITY DEFINITION

Smart cities use modern technologies and implement policies that ensure sustainable development.

Key target is to improve the urban environment as well as the quality of life of their citizens.

smart smart economy mobility smart smart environment governance smart smart living people

Source: Giffinger, R. Centre of Regional Science, Vienna University of Technology (2007)

SMART CITY DIMENSIONS

SMART ECONOMY

SMART PEOPLE

SMART GOVERNANCE

> **SMART MOBILITY**

SMART ENVIRONMENT

SMART LIVING

- City competitiveness innovative spirit
- Support to entrepreneurship
- Economic image and the trademarks
- Human and social capital with the inclination towards creativity and flexibility
- Level of professional qualification / lifelong learning
- Citizens' involvement in the decision making process
- Transparent governance
- E-governance perspective
- Development of sustainable, innovative and secure transport systems
- Local and international accessibility
- Protection and preservation of green areas
- Sustainable management of natural resources
- Quality of life (e.g. culture, education)
 Urban security / personal safety
- Tourism development

SMART MOBILITY

EXAMPLES

- a collection of practices that focuses on enabling sustainable mobility policies and measures
- infrastructure projects, both ICT and non ICT-enabled, in order to reach the smart city in mobility terms.

ACTIONS

- traffic safety,
- travel behavior dynamics and patterns,
- local mobility cultures,
- mobility and environmental awareness issues

SMART MOBILITY

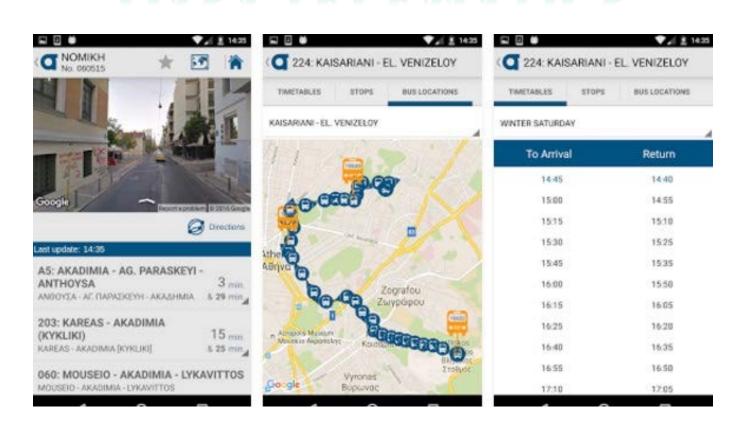


E. Bakogiannis et al. 2017.

SMART MOBILITY SYSTEMS

- Public transportation management
- Smart stops and stations
- Smart traffic lights
- Smart parking system

SMART PHONE APPLICATIONS OASA TELEMATICS



Transport for Athens – real time information for buses and trolleys

SMART STATIONS OASA TELEMATICS



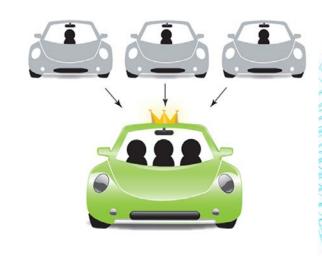
SMART TRANSPORTATION MODELS

- Car sharing
- Car pooling
- Bike sharing













TAXI FLEET MANAGEMENT

How it works

HOW IT WORKS

WHY TAXIBEAT

DRIVERS

BLOG

Help

Contact About us

Careers

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Terms of use







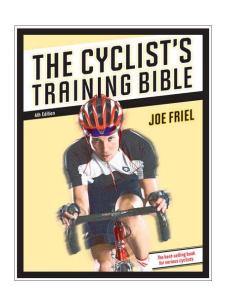
Now you can choose your taxi driver.

You are able to choose your driver according to the ratings from previous passengers, the car model, the extra services offered (e.g. free wifi) or alternatively you can just hail the nearest car when in a hurry. Sit back and enjoy your ride and then rate your experience.

Free of charge. You are only paying your ride fare.

SMART MOBILITY AWARENESS

- Departments of sustainable mobility
- Awareness campaigns
- Students and traffic safety
- New drivers training
- Cyclists training







CONCLUSIONS (... food for thought)

- ➤ Mobility Economy Life (MEL)
- Equality Accessibility Social cohesion
- ➤ ICT Business models
- Citizens' Information Participation



Thank you!

Email:

mn.alyerti@edu.cut.ac.cy