



4th Conference on Sustainable Urban Mobility – CSUM2018

24-25 May, 2018, Skiathos Island, Greece

Investigating Mobility Gaps in University Campuses

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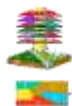
¹National Technical University of Athens

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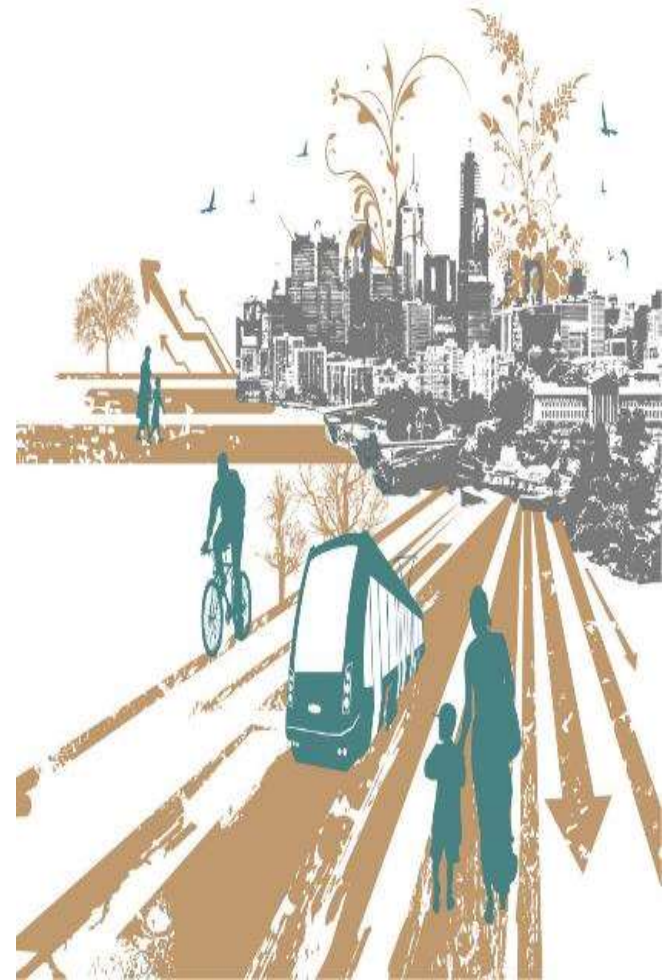
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Introduction

- **Universities** are a generator and attractor of highly variable demand for travel
- A **university campus** brings together groups from different areas, whether to work, study, live, representing different habits and attitudes
- **Gap analysis** relies upon taking a critical look at what the current standing or situation is for a person to a company
- Several researches have been implemented aiming to investigate the gap that exists concerning **needs, gaps** and **priorities** on cities





Objective

The **objective** of the present research is to investigate the gaps between existing/desired situation regarding mobility from/to and inside the campus

Acknowledgment

The research is based on "CAMPus sustainable University mobility plans in MED areas" research project under the Interreg Med program, co-funded by the European Regional Development Fund





Participants

- National Technical University of Athens
- Magna Graecia Foundation
Catanzaro University
- University of Malta
- University of Valencia
- University of Split
- University of Cyprus
- University of Bologna





Sample characteristics

- **36 experts from 7 partner Universities**
- **Mix of participants :**
 - University **mobility/planning manager**, if such professional figure exists
 - At least 2 **technical representatives** of local, regional and national public institutions from each partner
 - At least 1 member from **Associated Partners**, selected by each partner
 - **Project Manager** of each partner





Thematic areas

- Parking management
- Soft modes Infrastructure
- Public transport
- Car related issues
- Road infrastructure
- Environment and energy
- Mobility management
- Freight Infrastructure and Management
- Sustainable Urban Mobility Plans





Interview structure

- The objective of the first part was to analyse the **current situation** in the campus under experts' responsibility
- The second part referred to **needs, future plans and priorities**
- In the third part experts were asked to **rank** (from 1 to 5) the performance of each thematic area



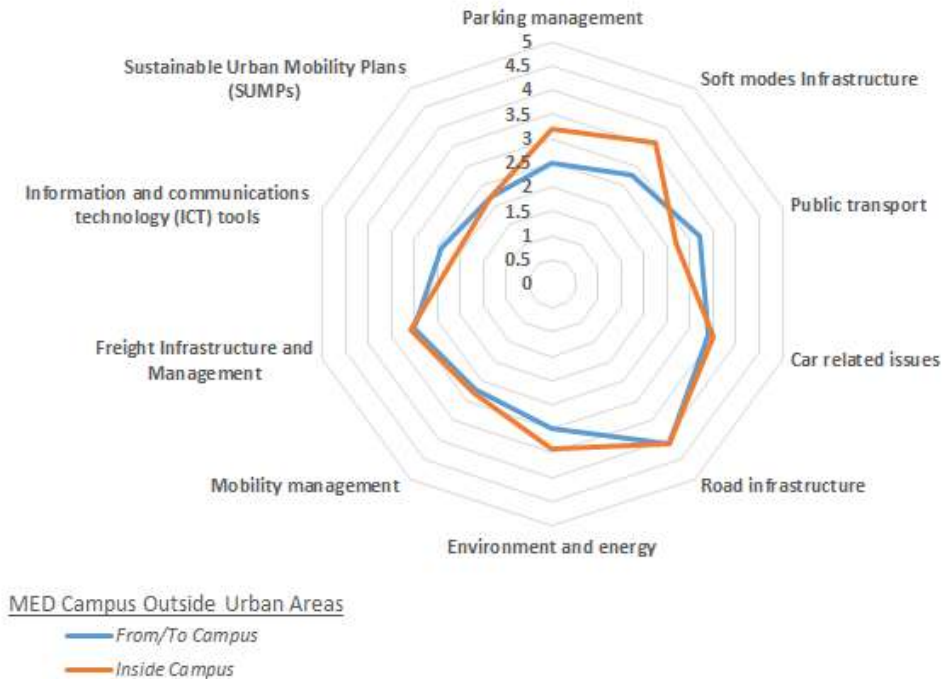


Campuses characteristics

	University	Location	Area (m ²)	Students	Personnel	Interviews
1	University of Catanzaro	Outside	260.000	11.000	500	9
2	National Technical University of Athens	Outside	1.000.000	13.500	3.400	8
3	University of Malta	Inside	194.452	11.500	600	2
4	University of Valencia (1 campus)	Outside	1.000.000	10.000	2.000	3
5	University of Valencia (2 campuses)	Inside	400.000	35.000	5.000	3
6	University of Split	Inside	245.000	24.000	1.500	6
7	University of Cyprus	Outside	1.200.000	7.000	1.100	5
8	University of Bologna	Outside	6.570.023	85.000	3.000	9



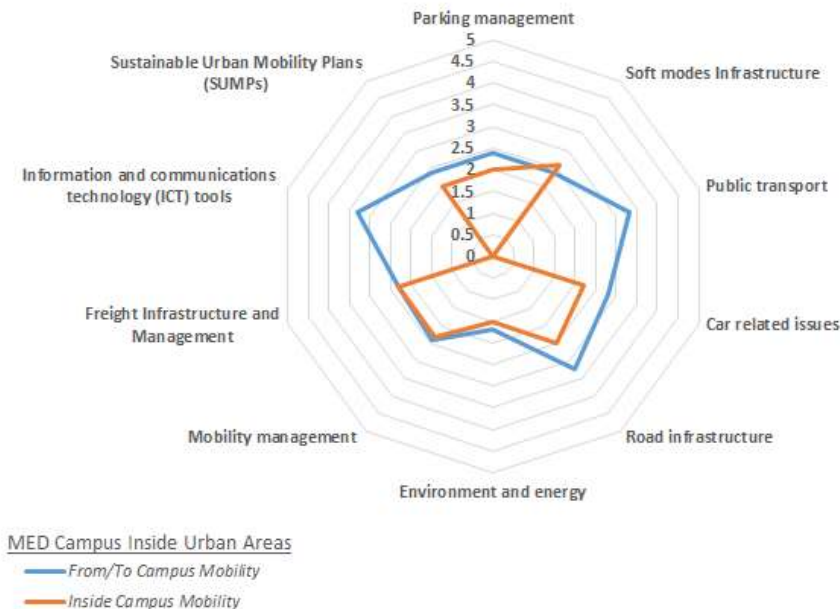
Campuses outside urban areas



- **Road infrastructure**, any infrastructure related to road transport infrastructure, is the best performing area
- The lowest score in both types of mobility is occurring in the thematic area of **Sustainable Urban Mobility Plan**



Campuses inside urban areas



- Regarding mobility from/to the campus, **public transport** is considered important considering the strategic place of the campus inside the city and the several ways that can be reached
- A key gap is detected on **environmental** and **energy issues**
- **Road** and **soft modes infrastructures** are the thematic areas that achieve the best scores



Conclusions

- Results indicate several **characteristics** that distinguish universities whether they are located inside or outside urban areas, as well as the different gaps between the thematic areas examined
- The **highest gap** in all campuses is identified in the absence of a Sustainable Urban mobility Plan
- The **best performing** areas depend on the location of the campus





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