



9th INTERNATIONAL CONGRESS
ON TRANSPORTATION
RESEARCH



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Investigation of Sustainable Mobility Plans in Universities of the Mediterranean Region

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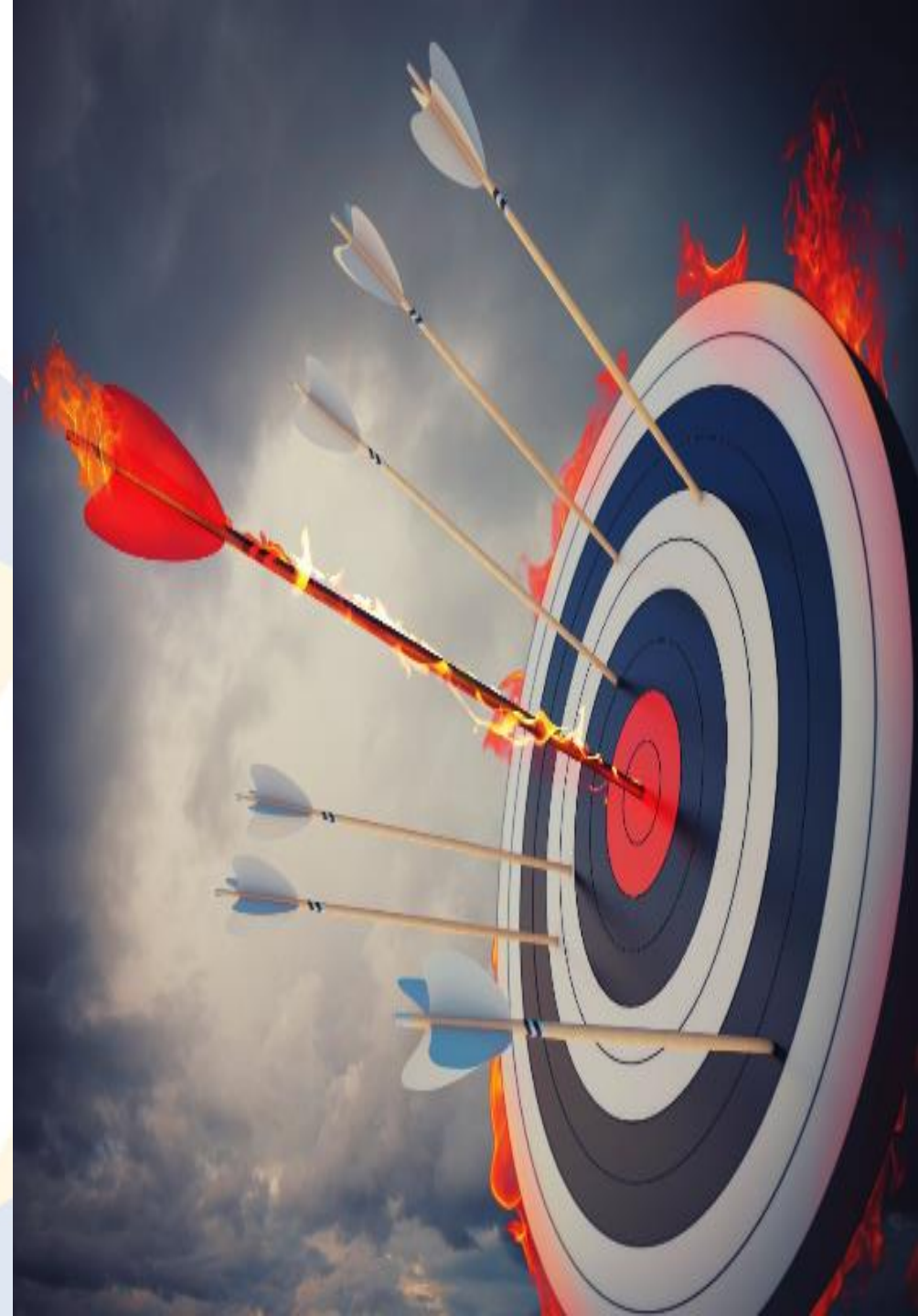
Introduction

- **Sustainable Urban Mobility Plans** (SUMPs) define a set of interrelated measures designed to satisfy the mobility needs of people
- A **University Campus** is similar to an urban model and it could be used as a test area for mobility policies and tools
- Several **plans and practices** in universities have been conducted aiming at enhancing the general quality of urban areas in terms of mobility



Objective and Methodology

- To retrieve **quantitative data** for mobility across a number of university campus areas in Mediterranean countries
- To identify and correlate **mobility problems** and **measures** with mobility characteristics and best practices
- A **survey** has been developed and implemented within the framework of CAMP-sUmp (CAMPus sustainable University mobility plans in MED areas) project
- A **sample** of 1.090 participants from 7 Universities



Questionnaire

Questionnaire topics:

- **Current mobility** - to present current mobility of the participants both regarding mobility from/to and inside the Campus
- **Desired Mobility** - to present the desired mobility of the participants both regarding mobility from/to and inside the Campus
- **Mobility problems** - to identify the mobility problems both regarding mobility from/to and inside the Campus.
- **Proposed measures/policies/tools** - to evaluate specific measures, policies and tools that are already implemented regarding the mobility from/to and inside the campus
- **Participant information**



Results – Factor Analysis

1. What are the most important mobility problems?

9 Variables



Factors

- 1) Infrastructure
- 2) walking/cycling

2. What are the most important mobility measures?

9 Variables



Factor

- 1) Infrastructure
- 2) Walking cycling



Results – Linear Regression models

➤ Dependent variables:

- Mobility problems
- Mobility measures

➤ Independent variables:

- Gender
- Age
- Transport mode
- Weather conditions
- Parking measures
- Cycling measures



Conclusions

- Regarding campuses located inside urban areas, the most important measures concern **walking, public transport, road infrastructure** and **environment**
- In campuses located outside urban areas, the most important measures focus on **public transport** and road **infrastructure**
- Results are in line with the **mobility problems** that have been identified from the participants
- **Age and gender** have an important role for choosing transport mode





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