Investigation of Sustainable Mobility Plans in Universities of the Mediterranean Region

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Introduction

- **Sustainable Urban Mobility Plans** (SUMP) 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 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

Factor Analysis

2 Factors

1) Infrastructure
2) Walking/cycling

2. What are the most important mobility measures?

9 Variables

Factor Analysis

2 Factors

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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