Outline

• Background
• Objectives
• Methodology
  o Interview
  o Questionnaire
• Outputs
  o Actions Plans
  o Road Map
  o E-Core system
• Conclusions
• **Sustainable Urban Mobility Plans (SUMP)s** define a set of interrelated measures designed to satisfy the mobility needs of people.

• SUMP}s aim to improve the **mobility and accessibility** of urban areas and to provide high-quality and sustainable modes for mobility and transport.

• A **University Campus** is similar to an urban model and it could be used as a test area for mobility policies and tools.
Each campus will analyze its framework site in order to obtain a defined state of art of data, policies and planning instruments with regard to mobility to/from/inside the Campus and its integration with urban mobility

**Key Outputs**

- two action plans
- a road map for decision makers
- an ICT model
Methodology

• A survey has been developed and implemented within the framework of **CAMP-sUmp** (CAMPus sustainable University mobility plans in MED areas) project.

• A survey has been developed consisting of a **questionnaire** and an **interview**.

• The following **Universities** participated:
  o Magna Graecia Foundation Catanzaro University
  o National Technical University of Athens
  o University of Malta
  o University of Valencia
  o University of Split
  o University of Cyprus
  o University of Bologna
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**
The interview aimed to collect qualitative data (experts’ views) of each University regarding the following thematic areas:

- **Soft modes** Infrastructure
- **Public** transport
- **Car** related issues
- **Road infrastructure**
- **Environment** and energy
- **Mobility management**
- **Freight Infrastructure** and Management
- Information and communications technology (ICT) tools
- **Sustainable Urban Mobility Plans (SUMPs)**
<table>
<thead>
<tr>
<th>University</th>
<th>Location</th>
<th>Area (m²)</th>
<th>Students</th>
<th>Personnel</th>
<th>Questionnaires</th>
<th>Interviews</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 University of Catanzaro</td>
<td>Outside</td>
<td>260,000</td>
<td>11,000</td>
<td>500</td>
<td>104</td>
<td>9</td>
</tr>
<tr>
<td>2 National Technical University of Athens</td>
<td>Outside</td>
<td>1,000,000</td>
<td>13,500</td>
<td>3,400</td>
<td>124</td>
<td>8</td>
</tr>
<tr>
<td>3 University of Malta</td>
<td>Inside</td>
<td>194,452</td>
<td>11,500</td>
<td>600</td>
<td>250</td>
<td>2</td>
</tr>
<tr>
<td>4 University of Valencia (1 campus)</td>
<td>Outside</td>
<td>1,000,000</td>
<td>10,000</td>
<td>2,000</td>
<td>227</td>
<td>3</td>
</tr>
<tr>
<td>5 University of Valencia (2 campuses)</td>
<td>Inside</td>
<td>400,000</td>
<td>35,000</td>
<td>5,000</td>
<td>100</td>
<td>3</td>
</tr>
<tr>
<td>6 University of Split</td>
<td>Inside</td>
<td>245,000</td>
<td>24,000</td>
<td>1,500</td>
<td>100</td>
<td>6</td>
</tr>
<tr>
<td>7 University of Cyprus</td>
<td>Outside</td>
<td>1,200,000</td>
<td>7,000</td>
<td>1,100</td>
<td>85</td>
<td>5</td>
</tr>
<tr>
<td>8 University of Bologna</td>
<td>Outside</td>
<td>6,570,023</td>
<td>85,000</td>
<td>3,000</td>
<td>100</td>
<td>9</td>
</tr>
</tbody>
</table>

- 5 campuses were located outside the city centre 3 are located inside the city
- 1,078 Questionnaires and 36 expert’s interviews were collected
Two Action Plans have been produced:

- Action Plan for University Campus **inside Urban areas**
- Action Plan for University Campus **outside Urban areas**

Action plans will be the reference framework of a unique model and future tailored **Sustainable University Mobility Plan** (SUMP) adaptable to different MED University Campuses.
1. Study
2. Plan
3. Do
4. Check-Act

1.1 Decarbonisation and Air Quality
1.2 Local Geographical Area Dynamics
1.3 Demographic Challenges
1.4 Digital Society
1.5 Sharing Economy

2.1 Stakeholder Identification and Involvement
2.2 Definition of Goals, KPIs, Actions’ Prioritising
2.3 Community Communication and Involvement
2.4 Hints About Plan’s Actions

3.1 Plan’s Implementation

4.1 KPIs Evaluation
4.2 Corrective Actions
4.3 Dissemination of Results
The following time estimations are meant to guide the University mobility planner towards achieving the final plan:

- **Study** section is the most time consuming part with an expected duration of 10 months equally distributed between the different activities.
- **Plan** section should last about 8 months.
- **Do** action should last about 4 months.
- **Check & Act** section is comprehensive of the whole duration of the action plan, since the activities involved are highly integrated with different parts of the Action Plan.

In total, the proposed Action Plan has an estimated duration of **22 months**.
The Roadmap is divided into two sections

- A **strategic** part that provides a global and sequential vision of the objectives and measures to be developed in the SUMP

- A **detailed** part: in which the specific measures and other aspects to be taken into account for each strategic line of sustainable mobility are indicated
Road Map – Strategic part

STRATEGIC ROADMAP FOR SUSTAINABLE MOBILITY PLAN IN THE UNIVERSITY

2018
CONTEXT
- Park and ride
- Electric vehicles
- Information on sustainable alternatives
- ICT tools
- Commitment
- Awareness
- Containment
- History in transport planning and management

2020
TARGET
- Campus location (in/out)
- Characteristics
- Mobility Center
- Mobility diagnosis
- Road infrastructure for bikes
- Road infrastructure for pedestrian
- Security
- Quality and Service of Public Transport
- Parking Management
- Congestion
- Car Parking

2025
TARGET

2030
TARGET

LEGEND OF KEY:
SOCIAL AND MOBILITY MANAGEMENT MEASURES
INFRASTRUCTURE MEASURES
VEHICLE MEASURES
ICT MEASURES

POINT IF:
I = THE IMPACT IS: L (LOW), M (MEDIUM), H (HIGH)
O = THE COST IS: L (LOW), M (MEDIUM), H (HIGH)

CROSS CUTTING

Project co-financed by the European Regional Development Fund
https://urban-transport.interreg-med.eu
Road Map – Detailed part
The e-Core System describes the integration of many independent and self-contained nodes to satisfy needs and purposes of sustainable mobility at Universities:

- a set of **top-level assumption**, variables, actors, stages and nodes
- a **strategic plan** for designing an integrated sustainable mobility system
- a **top-level approach**
- technology **independent**
The e-Core System consists of 6 phases:

1. **Users/providers** (diverse profiles which provide vital information to the system)
2. **Data Acquisition** (how the providers can provide the information to the System)
3. **Input** about mobility options
4. **Aggregated Information system** (data are aggregated gathered and organized in different blocks)
5. **Dissemination tools** (website, mobile apps, mobility card)
6. **Output** based on transport mode
Conclusions

- The produced **action plans** represent a unique model and future tailored templates adaptable for different Universities

- The **road map** model for the implementation of the action plan describes steps and tools and ensures commitment for decision makers, consistency and viability

- The **E-Core system** is an integrated ICT platform model enabling data collection, planning, management and monitoring.
Mobility Plans for University Campuses