Seminar: New Mobility Paradigms, Big Data, Maas and SUMP

September 19, 2017 - Turin, Italy

Chiara Ferroni
Fondazione Torino Wireless
In this presentation:

**SUSTAINABLE URBAN MOBILITY PLAN** | Challenges, Definition, Benefits, why SUMPs?

**THE EUROPEAN SUMP PROJECTS** | Introduction, offer

**SUMPs-Up** | Goals, reach & approach, SLPs, events, products

**BUILD RELATIONSHIPS** | Connect and stay informed
Many urban areas suffer from severe congestion.

Urban mobility accounts for 23% of CO₂ emissions from transport (continued dependence on oil).

Cities in virtually all EU Member States struggle to meet legal requirements for ambient air quality.

Urban road accidents account for some 40% of all road fatalities (approximately 11,000 per year).

Achieving balanced development and integration of different modes.
A **Sustainable Urban Mobility Plan (SUMP)** is a strategic plan designed to satisfy the mobility needs of people and businesses in cities and their surroundings in order to produce **a better quality of life**.

- holistic approach
- integration, participation, and evaluation principles
A SUMP tackles transport-related problems in urban areas more efficiently

The basic **characteristics** of a SUMP are:

- A long-term vision and clear implementation plan;
- A participatory approach;
- Balanced and integrated development of all transport modes;
- Horizontal and vertical integration;
- The assessment of current and future performance;
- Regular monitoring, reviews, and reporting;
- Consideration of external costs for all transport modes.

A SUMP **focuses on people** and meeting their basic mobility needs.
10 reasons for a SUMP

1. Improving the quality of life
2. Saving costs and creating economic benefits
3. Contributing to better health and environment
4. Making mobility seamless and improving access
5. Making more effective use of limited resources
6. Winning public support
7. Preparing better plans
8. Fulfilling legal obligations effectively
9. Using synergies, increasing relevance
10. Moving towards a new mobility culture
Principal barriers in SUMP development

- **Conflicting institutional roles**, vertically and horizontally
- **Hesitant political commitment** to sustainability solutions
- **Poor integration between policy sectors**
- **Inappropriate funding** for plan preparation and implementation
- **Limited skills** in option generation; undue supply-side emphasis
- **Limited public support**; lack of experience in stakeholder input
- **Poor data**; lack of evidence on performance of new policies

Based on IEE Project Presentation  May 2016

New Mobility Paradigms, Big Data, Maas and SUMP - 19/09/2017, Turin, Italy
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CIVITAS

NETWORK of Cities pioneering clean urban transport
over 200 cities from 30 EU countries

Platform to exchange of ideas & experiences

Benefits for cities:

- Assistance with **policy recommendations** towards sustainable urban mobility
- Learning and information programme
- **Dedicated Funding** for implementing innovative solutions for cleaner and better urban transport and mobility

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THE EUROPEAN SUMP PROJECTS

Introduction | offer

MG-5.4-2015 - Strengthening the knowledge and capacities of local authorities


SCOPE: “Promoting take up of the innovative concept of Sustainable Urban Mobility Plans (SUMPs). Enhancing the capacities of local authorities and other stakeholders to successfully plan and implement innovative sustainable mobility measures, technologies and tools, on the basis of reliable data and analysis.”


Type of Action: Research and Innovation Action

• Funding rate: 100%;
3 Projects

80+ organisations

1 goal:

Support European local & national authorities by improving SUMP quality, funding & uptake to develop and implement Sustainable Urban Mobility Plans.
What does each of the projects do?

CIVITAS PROSPERITY
To close the gap between the local needs, cities and higher administrative institutions (like ministries).

CIVITAS SUITS
A sociotechnical approach to capacity building in transfer of learning to smaller cities.

CIVITAS SUMPs-Up
Enables planning authorities across Europe to embrace SUMP.
Activities, Results and Outcomes

- **Training and support** | Webinars, blogs, e-learning, study visits...

- **Exchange of experience workshops** | Personal face-to-face contact is essential

- **European SUMP conferences** | Key annual event that enables international community

Results

- expert scientific research and analysis
- practical guidance
- state-of-the-art tools

Impacts

- bringing together technical experts
- enabling city representatives to take part in training and support activities
- funding calls will take place over the course of the project
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“Enable mobility planning authorities across Europe to embrace SUMP as the European-wide strategic planning approach, especially in countries where the take-up is low and the negative effects of transport are severe”.

- Creating a critical mass for mainstreaming the SUMP concept
- Enabling cities to develop quality SUMPs
- Engaging Member States in Quality SUMP development
The conundrums that SUMPs-Up will answer:

SUMPs-Up will help answer the following crucial questions and provide solutions to issues currently limiting SUMP take-up.
• Paradigm shift in mobility planning

• 100 cities in SUMP Learning Programmes (SLP)

• 600 planning authorities in Europe: 80% of EU cities with over 50,000 inhabitants.

• 200 mobility and planning practitioners will also be involved in SUMP capacity building activities.
The SUMP City Partners (CP) are full project partners: Birmingham, Budapest, Malmö, San Sebastian, Sofia, Thessaloniki, Turin

Advanced in SUMP development, CP bring value to SUMP by:
• sharing experiences and becoming SUMP champions and role models for other cities.
• taking the lead on thematic areas and advise other mobility authorities on these areas, helping them to further enhance their SUMPs.
To increase our knowledge on planning processes especially on monitoring and evaluation aspects and to experiment a novel participatory approach both in the selection/design of measures (co-creation) and in measures evaluation and implementation and impact assessment.

1. **Integrated charging scheme for city logistics** – to analyse and model a more efficient and eco-friendly mobility paradigm for freight transport, by new mobility pricing schemes and discount policies, access to restricted zones, also integrating different transport modes.

2. **Mobility as a service** – to analyse and model a service concept, combining services from public and private transport providers through a unified gateway that creates and manages the trip, which users can pay for with a single account.
SUMP(s)-Up
Approach | Working principles

VALIDATE

- Comprehensive analysis of cities’ SUMP needs
  - Survey of 321 local authorities, interviews and focus groups
- Status analysis of national SUMP policies

SYSTEMISE

- Online SUMP Toolbox
  - Collection of 100+ best planning tools and methods
  - Advanced search function for local context conditions
  - Interactive platform with user reviews
- Guidance on SUMP measures & financing
- Enhanced SUMP Self-Assessment
- Updated SUMP Guidelines

ACCELERATE

- Innovation Pilot Pool
  - Financial support to 100+ planning authorities & experts
- SUMP Learning Program
  - Expert support, team learning and peer-to-peer exchange
  - Online courses, workshops, study visits & webinars for 100 cities
  - Tailored capacity-building for 200+ individual mobility planners

SUMPs-Up Approach | Working principles

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Survey was carried out in Jan and Feb 2017 in 10 EU languages.

They were asked 13 questions about city characteristics, drivers and barriers for SUMP take-up, the current state of transport planning, needs for support and innovative approaches.

Most responses: Spain (72), Greece (46), Romania (49), France (32), Italy (25), Hungary (20)

441 participants responded for 321 cities from 27 EU member states.

70% of all respondents are working for a city administration or public transport organisation.
In Italy the majority of the cities are familiar with the concept of SUMP, as the Italian legislation uses the term PUM (Urban Mobility Plan).

SUMPS aren’t mandatory, but the article 22 of the Law n. 340 of 2000 calls that single Municipalities or aggregation of Municipalities with more 100,000 inhabitants (PUM) might develop long term (10 years), systematic and integrated planning instruments for urban mobility management.

“a PUM is an integrated project on urban mobility including infrastructural measures on public and private transport ... as well as on demand management by means the network of the mobility managers ...”.

## Overall results

- **70% have limited SUMP experience**
- Strong need for support in **starting the SUMP process**: Almost 45% are considering to develop a SUMP or have already started to develop one
- Strong need for support in **implementing SUMPs**: Over 30% are in the phase of implementing measures or preparing implementation
- **Small cities need special support**: They are less familiar with SUMP and tend to be at the start of the process

### Experience in SUMP by countries with N > 15

<table>
<thead>
<tr>
<th>Country</th>
<th>City not yet familiar</th>
<th>City has already applied sustainable</th>
<th>City has already conducted integrated</th>
</tr>
</thead>
<tbody>
<tr>
<td>France (N=32)</td>
<td>9%</td>
<td>13%</td>
<td>78%</td>
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<tr>
<td>Germany (N=16)</td>
<td>6%</td>
<td>44%</td>
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<tr>
<td>Italy (N=17)</td>
<td>24%</td>
<td>41%</td>
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<tr>
<td>Poland (N=16)</td>
<td>13%</td>
<td>63%</td>
<td>25%</td>
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<tr>
<td>Romania (N=27)</td>
<td>32%</td>
<td>61%</td>
<td>7%</td>
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<tr>
<td>Spain (N=59)</td>
<td>41%</td>
<td>39%</td>
<td>20%</td>
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<tr>
<td>Other EU countries (N=103)</td>
<td>17%</td>
<td>51%</td>
<td>32%</td>
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<tr>
<td>EU total average (N=288)</td>
<td>23%</td>
<td>44%</td>
<td>32%</td>
</tr>
</tbody>
</table>

Source: SUMPs-Up 2017
### Need of support in selecting measures for countries

<table>
<thead>
<tr>
<th>Policy Field</th>
<th>France</th>
<th>Germany</th>
<th>Italy</th>
<th>Poland</th>
<th>Romania</th>
<th>Spain</th>
<th>Other EU countries</th>
</tr>
</thead>
<tbody>
<tr>
<td>Walking</td>
<td>38%</td>
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<td>29%</td>
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<td>Cycling</td>
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<td>Public transport</td>
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<td>Urban road safety</td>
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<td>59%</td>
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<tr>
<td>Road transport</td>
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<td>Car parking management</td>
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<td>Urban logistics</td>
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<td>Integration of different transport modes</td>
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<td>Mobility management</td>
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<tr>
<td>Mobility management target groups</td>
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<td>Intelligent transportation systems</td>
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<tr>
<td>Electric mobility and clean fuels</td>
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Average needs of Italian cities in most policy fields
- lower needs in **car parking management**
- even higher needs in selecting **urban logistics** measures and **mobility management** than the already high average.
### Need of support in implementing measures for countries

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- Average importance of most SUMP drivers, “SUMP seen as solution to address transport challenges” is less import than European average.
- More need for national support on institutional framework and on legal framework for integrating mobility and land use planning.
- Less need for networking and monitoring support.

Source: SUMPs-Up 2017
Further (selected) results about current and future SUMP challenges for cities

- Organisation of **back-up from politicians** for conflicting measures
- Management of **decision making processes** under a “not in my backyard” philosophy
- Allocation of scarce space and **reallocation of road space**
- Improvement of the **connectivity** of the local transport system with the higher-level networks (Regional SUMP)
- **Visualisation** of measures and their impact on the urban environment
- Efficient collection and storage of **transport data**
- **Quality** of the SUMP process

Source: SUMPs-Up 2017
Online SUMP Toolbox

• Online on CIVITAS
  – Advanced search functions for local context conditions
  – Interactive platform with user reviews
  – Software, manuals, specific approaches or methods, indicator sets, guidelines, option generators, apps, serious games etc.
  – Product type, SUMP stage, policy field, target group, required input, copyright, year of last update, costs etc.

• launched at the CIVITAS Forum in September 2017
SUMP knowledge base

SYSTEMISE

- Manuals on integrated measure packages (SEP 2017)
- Standards for SUMP Action Plans (SEP 2017)
- Guidance for innovative financing and procurement of measures (FEB 2020)

- Three new SUMP Guidelines on topics of special importance (DEC 2017)
- Updated online SUMP Guidelines (FEB 2020)

- Enhanced SUMP Self-Assessment in different European languages (SEP 2017)
1. **SUMP Learning Programme** for 100 European local authorities (SLP)

The SLP will provide tailor-made learning to 100 cities recruited through open calls for applications. The targeted support will foster knowledge transfer and take-up of SUMP development and implementation through a mix of **workshops, peer-to-peer exchange, online courses and webinars**.

2. **SUMP capacity building** for 200 European urban mobility experts

A variety of learning opportunities will be offered throughout the project to a **wider group of mobility experts** that will benefit from the results and knowledge developed in the project.
5 SLPs form the core of the project’s learning activities.

The cities taking part in the SLPs consist of a leadership and expert group.

- Leadership group: involve for the duration of the project. They possess advanced SUMP knowledge.
- Expert group: require more assistance in SUMP development and only take part for one or two SLPs.

What are the SLPs about?

<table>
<thead>
<tr>
<th>SLP Topic</th>
<th>Which SLPs?</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUMPs tailored to small- and medium-sized, starter cities</td>
<td>SLP 1 and 2</td>
</tr>
<tr>
<td>SUMP process and measure development</td>
<td>SLP 3 and 4</td>
</tr>
<tr>
<td>Measure implementation, financing and procurement</td>
<td>SLP 5</td>
</tr>
</tbody>
</table>
What activities does the SLP include?

- Participants learn and interact with each other in varied ways, with a mix of online and face-to-face elements.
- The knowledge and input they provide also feeds directly into the development of the tools and resources they will later use. All learning is participant-driven.
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How is SUMP's-Up being communicated?

- A fully interactive and responsive website was launched in June 2017 under the URL sumps-up.eu
- SUMP's-Up is active on social media on Twitter and LinkedIn.
The CIVITAS SUMP Registry

- An online database for SUMPs from Europe and beyond hosted on the SUMP-s-UP website - launched on 14 September 2017.
- Cities can also upload their own SUMPs for inclusion.
- It will be promoted throughout the lifetime of the project.
Upcoming events and workshops

• First SUMP mobility practitioners workshop – 26 September – Torres Vedras, Portugal

• CIVITAS Forum: 27 – 29 September - Torres Vedras, Portugal
  At the Forum, the SUMP projects will be present in the form of a SUMPs stand and take part in various workshops.

• SLP 1 workshop – 19 October – Thessaloniki, Greece

• Second practitioners workshop – 20 October – Thessaloniki, Greece

• SLP 2 workshop – 4-5 December - Brussels, Belgium
A number of project products are due to come out this year, including:

• The CIVITAS Tool Inventory - an online database of over 100 tools and methods related to urban mobility. This will be launched at the upcoming CIVITAS Forum.

• Three manuals that focus on the selection and combination of measures to be included in a SUMP. Three different city profiles will be covered.

• The SUMPs Need Assessment Survey has been completed and its results analysed. This will also be made available online.
Thanks

Chiara Ferroni
chiara.ferroni@torinowireless.it

Connect with SUMPs-Up
Email: contact@sumps-up.eu
Web: sumps-up.eu
Twitter: @CIVITAS_SUMPs-Up