

## TEACHING MATERIAL GUIDANCE

### 1. Title of the material

#### *Planning for more resilient and robust urban mobility*

[https://www.eltis.org/sites/default/files/sump\\_topic-guide\\_planning\\_for\\_more\\_resilient\\_and\\_robust\\_urban\\_mobility\\_online\\_version.pdf](https://www.eltis.org/sites/default/files/sump_topic-guide_planning_for_more_resilient_and_robust_urban_mobility_online_version.pdf)

### 2. Which section of the SUMP it is relevant to?

The material is dedicated for local governments and can help in formulating, implementing and controlling sustainable urban mobility plans. The material fits well with 4.1.

### 3. Which Mobility Manager knowledge this material is the most relevant to?

It is related to development of sustainable urban mobility plans (section 2 of the Mobility Manager competences). The report has also a direct reference to Section 1f (strategic planning and public administration involvement).

### 4. Problem approached and content overview

The document provides guidance on a specific topic related to Sustainable Urban Mobility Planning (SUMP). It is based on the concept of SUMP as outlined by the European Commission's Urban Mobility Package 1 and described in detail in the European SUMP Guidelines (second edition).

The document addresses planning in uncertain times when a major crisis is triggering significant changes in all areas. Crises covered in this guide include, but are not limited to, natural or man-made disasters, pandemics, economic crises, social crises, environmental crisis, terrorism, cyberattacks, geopolitical crises, etc.

An immediate crisis can cause further long-term changes and increase the impact of other major trends, such as climate change. Managing such fundamental change processes is a key challenge for urban mobility practitioners to integrate into their plans. A crisis can be defined as any event that may lead to an unstable and dangerous situation which affects the urban mobility systems or whose impact, duration and severity are affected by the urban mobility system.

The document is the attempt to articulate generic lessons from how urban mobility systems responded to and were managed during the COVID-19 pandemic. Since the onset of the pandemic, public transport use has been severely reduced, while other modes were rising in popularity. It may sound like a platitude, but it is now truer than ever: Due to the inherent uncertainty of future developments, cities must remain flexible.

The climate crisis and other major change processes have been disrupting and continue to disrupt the status quo cities. The necessity to handle these uncertainties and impacts will increase in the years to come.



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The document is intended to suggest responses to COVID-19 crisis but also it contributes to resilience planning for any future crises. More specifically, it aims at including resilience principles in sustainable urban mobility planning (SUMP).

The document introduces the concept of resilience in the context of urban mobility and the importance of integrating it into the SUMP procedure. It presents the 4 phases of the SUMP cycle with a resilience focus. It also addresses specific resilience-related themes such as car independent lifestyles, electromobility, collective passenger transport, demand management strategies, road safety, transport telematics and urban freight. It results from hands-on experiences made by research and innovation projects related to the mentioned topics proposed for short-term and long-term measures, lessons learned and case examples, using the COVID-19 pandemic as a case study.

### 5. Who could be interested in this material?

Students who are looking for:

- aspects of crisis in the context of urban mobility resilience,
- lessons learned from the COVID-19 pandemic and strategies of recovery,
- examples of actions aimed at improving transport resistance to crisis
- ways of measuring resilience and robustness of transport systems.

### 6. What is worth mentioning as an innovative factor for the reader?

The material covers aspect of vulnerability of transport mobility to crisis and its consequences. It shows risks and how it can influence transport mobility and ways of preventing and managing them.

### 7. Limitations

Not noticed. The material is clearly written and can help in formulating, implementing and controlling sustainable urban mobility plans in terms of occurring and potential future crisis.

