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SUMP in the time of Covid-19: How to plan for sustainable urban mobility in times of crisis?

Webinar "COVID-19 as a catalyst for change in sustainable transport planning

Morgane Juliat
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Urban mobility planning in the context of Covid-19

How cities responded to lockdowns and how they're moving forward

A planning perspective

- Impact of Covid-19 on mobility
  - Public transport was severely impacted
  - Walking and cycling proved to be the preferred mode in cities
  - Mobility for vulnerable people and key health workers

- Opportunities for cities to
  - Reshape their local realities
  - Create solution scenarios

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Success stories of pop-up infrastructure

Source: Madrid City Council and EMT Madrid, 2020

Madrid temporary bus lanes to improve service offer

Crisis as a catalyst for active transport reform in Bordeaux, France

Source: Bordeaux metropole

Success stories of adaptability, inclusion and innovation

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Drones and Automated Guided Vehicles for last mile deliveries

Image: Secretaría de Transporte. Coordinación General de Gestión del Territorio

An inclusive mobility strategy in Guadalajara, Mexico

SUMP in the context Covid-19:

Covid-19 Pracititioner Briefing and SUMP Topic Guide: Planning for more resilient and robust urban mobility

SUMP Guidelines

- What is SUMP ?
  - Integrated, strategic, long-term transport plan with clear goals and monitoring that aims at better accessibility and quality of life for the functional urban area.

1 Plan for sustainable mobility in the "functional urban area"

2 Cooperate across institutional boundaries

3 Involve citizens and stakeholders

4 Assess current and future performance

5 Define a long-term vision and a clear implementation plan

6 Develop all transport modes in an integrated manner

7 Arrange for monitoring and evaluation

8 Assure quality

SUMP is a clear recommended process for urban change

Covid-19 SUMP practitioners' briefing

- SUMP process has provided cities with a portfolio of fit-for purpose measures to be fast-tracked
- Includes lessons learned for immediate, mid-term and longer-term actions
- Identifies key measures taken during or after lockdowns regarding:
  - Space reallocation to promote active travel
  - Public transport
  - Shared mobility
- **SUMP as a leading process during crisis**

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A SUMP Topic Guide with a resilience focus

SUMP

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Resilienc

The 7 principles of resilience

- Reflective
- Robust
- Redundant
- Flexible
- Resourceful
- Inclusive
- Integrated

Why is this guidance relevant for cities ?

To help sustain urban life during crises and to reduce the vulnerability of the transportation system

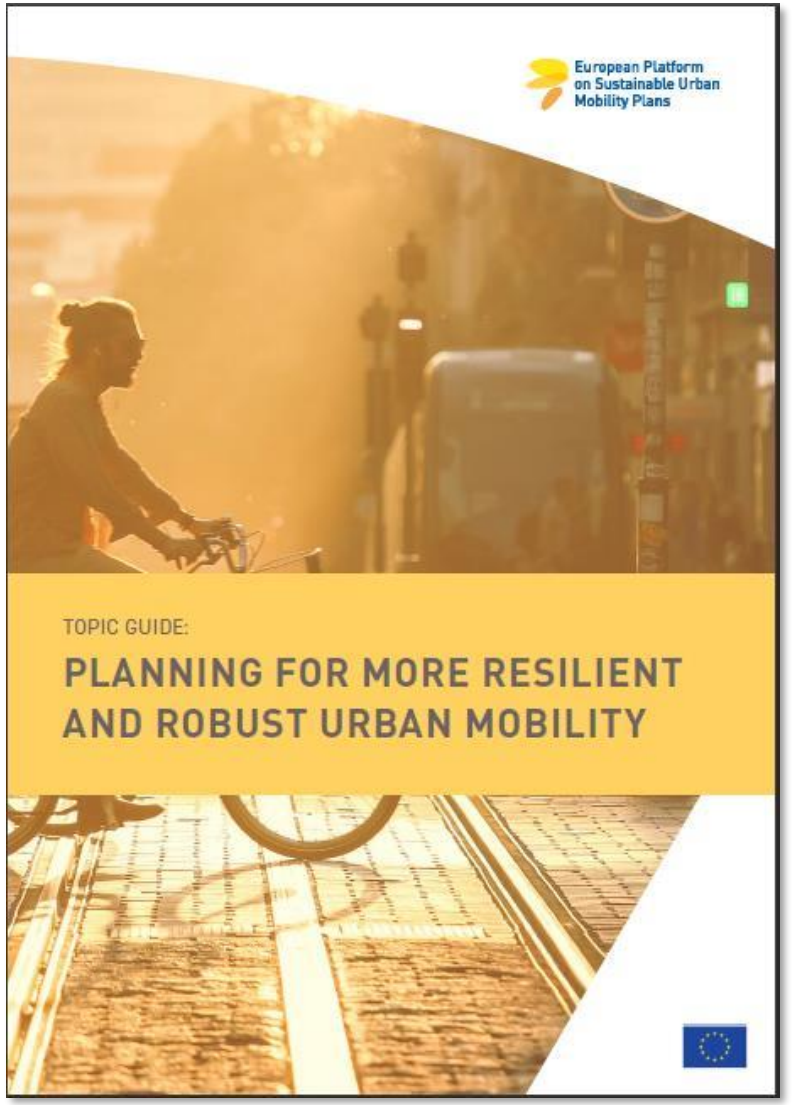
Prepare cities and regions better for disruptive realities

To apply the seven principles of resilience to a city's planning framework

To integrate resilience and strategic planning within an existing SUMP framework

To implement a (new) SUMP with a resilience focus

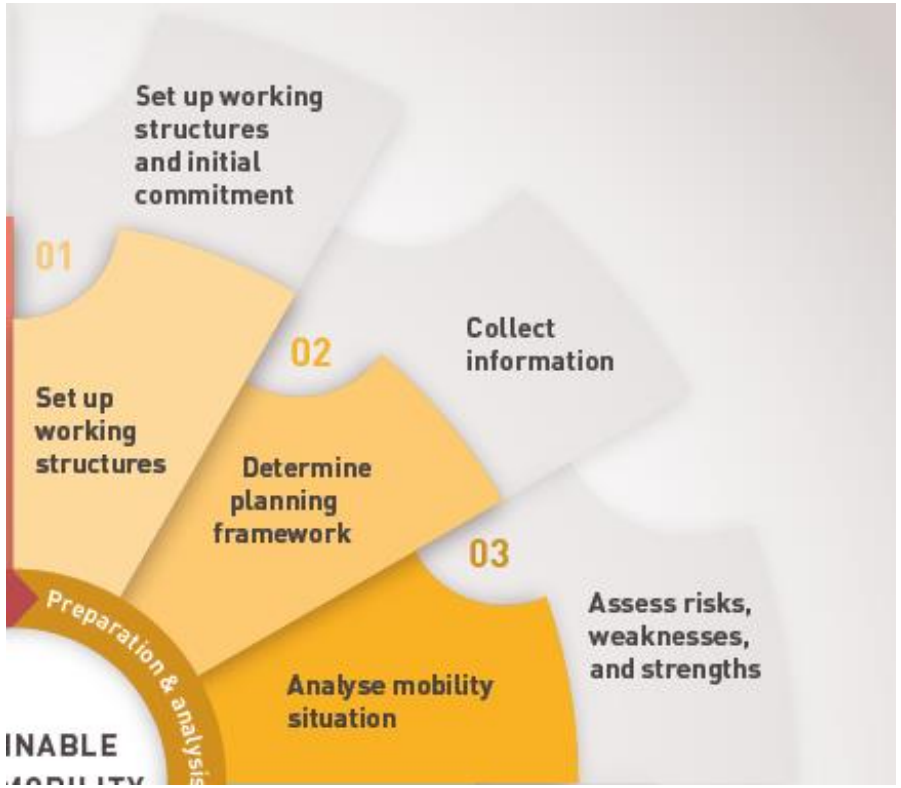
To integrate mobility planning in the existing resilience management



Resilient specific activities in a SUMP

- Resilience leadership
- Integration within city systems
- Data collection and disaggregation
- Assess risks and vulnerabilities
- Forecast crises, emergencies and disturbances and scenario building
- Select short-term and long-term measure
- Assess and adjust short-term measure

Example of an adapted step



- Essential step to understand the risks and vulnerabilities a transport system is facing
- Attract funding and improve communication
- Contributes to monitoring and improvement of the SUMP

Measure fields taking Covid-19 as a case study

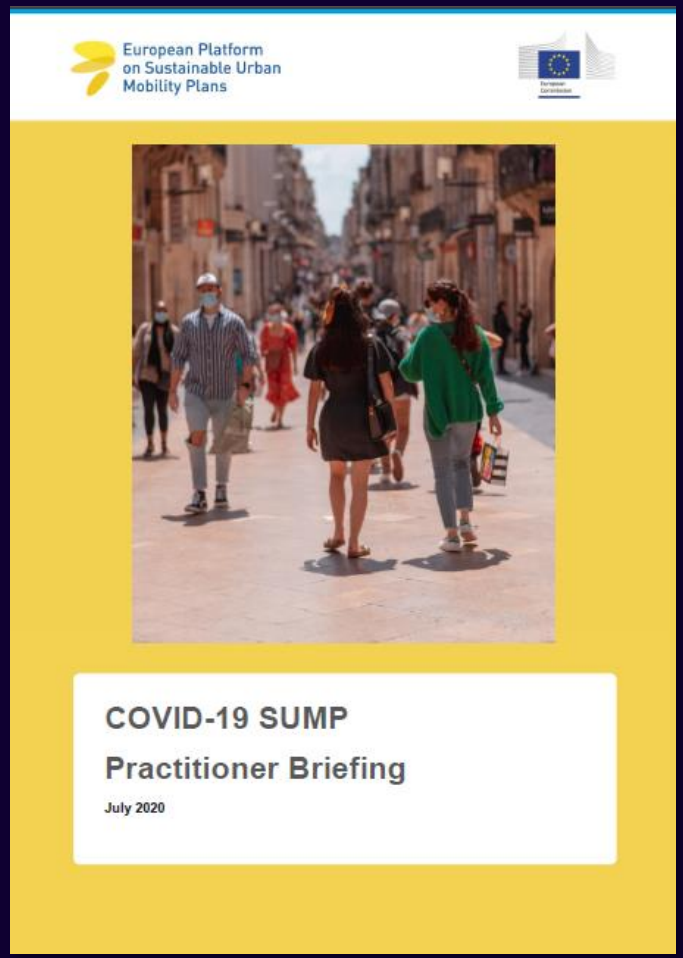
- Nine measures fields covered
  - … and put in relation with the 7 resilience principles
- Measures include
  - Cycling, Walking, Collective Public transport
  - Urban Freight, Urban Vehicle Access Regulations, Parking Management, Electromobility, Transport Telematics, Road Safety
- 17 cases studies from
  - Europe including Spain, Italy, Belgium, the Netherlands, the United Kingdom, Germany, Greece, France, Finland, Hungary
  - Latin America including Mexico, Brazil, Ecuador

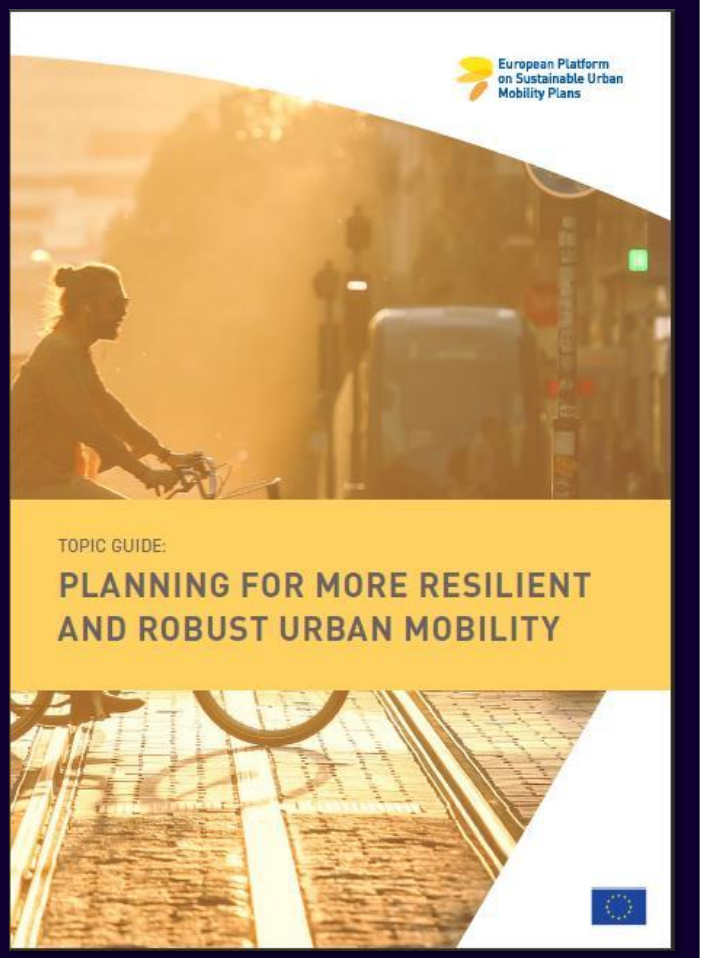
	Modal systems					Building blocks, Components		
Principles	Cycling	Walking	Collective Public Transport	Urban Freight	Urban Vehicle Access Regulations	Parking Management	Electromobility*	Transport Telematics
Reflectiveness	4	4	4	4	4	3	2	4
Robustness	4	5	5	5	4	1	3	2
Redundancy	4	5	5	4	4	3	3	3
Flexibility	4	5	4	4	5	4	3	4
Resourcefulness	5	4	4	4	4	3	4	3
Inclusiveness	5	5	5	4	4	3	3	3
Integrated	5	5	5	4	5	4	3	4

With the collaboration of …
And many more!

You can find these documents online on

Eltis





https://www.eltis.org/mobility-plans/

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Thank you!

Morgane JULIAT
m.Juliat@rupprecht-consult.eu