

LOGISTICS & E-COMMERCE

URBANISM NEXT EUROPE
2021



Urban Mobility Transition in five SPROUT cities

 @UrbanismNextEU #UNextEU 



- Reception
- Sessions
- Networking

HOUSEKEEPING

AFTER SESSION:

- Check the **Event Chat, Polls, People** and **Q&A** tabs.
- Discover the other upcoming **Sessions**.
- Try the **Networking** function.
- Send **Direct Messages** to other Participants.

Event Session

Chat Polls People Q&A





Reception



Sessions



Networking

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- Ask questions in the moderated **Q&A** area.
- View who is attending in the **People** tab.
- Maximise your screen by **hiding the chat** or tapping the **full screen icon**.



Event

Session

Chat

Polls

People

Q&A

Start typing...



500



Reception



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Event **Session**

Chat Polls People **Q&A**

Ask a question





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Event

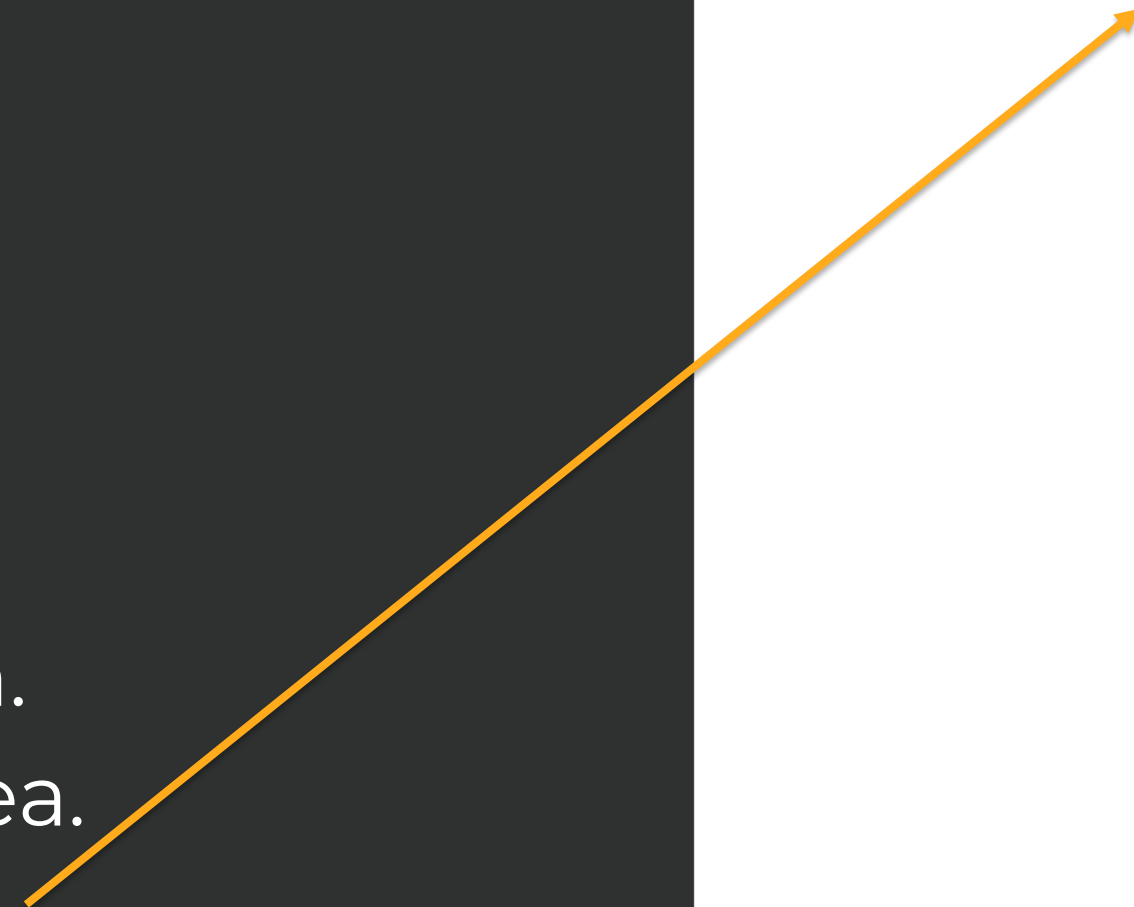
Session

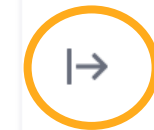
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- This meeting is being recorded - recordings will be made available online after the conference
- Please keep your microphone muted when not speaking.
- When speaking, be brief and to the point.



Event **Session** 

Chat Polls People Q&A

Start typing...



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People

Q&A



Start typing...



500

SESSION SPEAKERS

- Marcos Roselló- Ferrocarrils de la Generalitat Valenciana
- Malgorzata Kirchner-ŁUKASIEWICZ Institute of Logistics and Warehousing
- András Vagany- BKK Centre for Budapest Transport
- Carlo Masetto- Comune di Padova
- Batel Eshkol- Municipality of Tel Aviv Yafo
- Beatriz Royo- Zaragoza Logistics Center
- Elpida Xenou-Centre for Research and Technology Hellas / Hellenic Institute of Transport
- Sara Marie Tori- Mobility, Logistics and Automotive Technology Research Centre-VUB

Moderated by Teresa de la Cruz, Zaragoza Logistics Center

Urban Mobility Transition in five SPROUT cities

URBANISM NEXT EUROPE
2021

#UNextEU



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 814910

URBANISM NEXT EUROPE
2021

Project information

SPROUT

Grant agreement ID: 814910

Status

Grant agreement signed

Start date: 1 September 2019
End date: 31 August 2022

Funded under:
H2020-EU.3.4.

Overall budget:
€ 4 412 553,75

EU contribution
€ 3 865 116,25



Coordinated by:
FUNDACION ZARAGOZA LOGISTICS CENTER
Spain

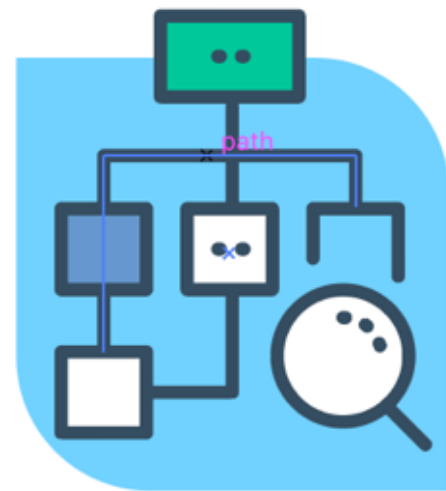


SPROUT will provide a city-led innovative policy response that will be capable of harnessing the impacts of new mobility solutions in a way that makes them more attractive to the users and more sustainable for the society as a whole.

5 Key Objectives



Understand the transition in urban mobility



Foresee and identify the impact of the drivers of urban mobility transition



Formulate a city-led innovative policy response



Provide tools to enhance local policy-making capacity



Navigate future policy on urban mobility



The logo for Sprout, featuring a stylized green leaf above the word "Sprout" in a dark blue, sans-serif font.

- *Pilot cities*
- *Validation cities*
- *3rd layer cities*



SPROUT Innovative Mobility Solutions

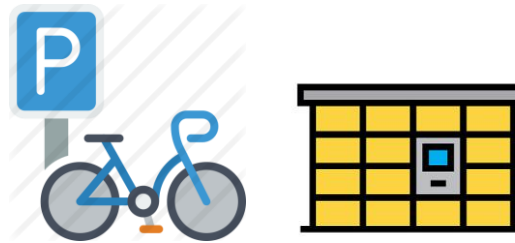
IoT enabled Smart Parking for Last mile deliveries:

Real-time dynamic management of unloading operations including planning and booking



Intermodal passenger & freight transportation nodes

*Parking for private bicycles into intermodal nodes
Smart parcel lockers & Micro hubs in metro stations*



Autonomous mobility & Cargo hitching:

*Modular electric self-driving pod for mixed freight/passenger transport
Combined cargo & public transport service*



Data Analytics driven traffic & mobility management

*Bluetooth detectors data analysis of travel behaviour mobility patterns
Re-allocating the public sphere - balance between capacity and liveability;
Prioritizing vulnerable road users at signalized intersections.*



Integrated mobility & Micro-mobility :

Creation of micromobility points

Public sphere re-allocation:

Relocating public space reducing capacity to car & increasing pedestrian and cycling zones



Kalisz

Valencia

Padua

Tel Aviv

Budapest



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2021



Thank you!

Do you have any question?

Ask **Teresa de la Cruz**, mdelacruz@zlc.edu.es

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LOCAL PROBLEM

Evidence based Needs for transition towards innovative solutions



- Low base station internet connection
- Sensors mechanical damages
- Lack of data on the current urban mobility situation
- Political engagement for solution expansion

- **Long term political engagement** to innovative solution (**innovation policy in SUMP**s & **SULPs**)
- **Investments & incentives** for collecting urban nobility (traffic) data
- **New Business model for exploitation & incentives** for service use (a subscription and not a fee)
- **Public investments** for improving the internet connectivity in cities



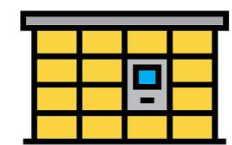
- A new procurement procedure was needed

- **Innovation procurement framework for cities**
- **Organizational restructuring & capacity building** for managing non-standard procurement procedure to support innovation



- Financial resources for infrastructure
- Lack of capacity for creating the micromobility points (joined planning & regulation development)

- **Committed Public investments and financial resources to new solutions**
- **Defining and Solving legal issues** in the regulation of market-based services
- **Better capacities allocation** within the administration (**joint P&P decision role**)
- Strengthen the **relationship with district municipalities (new governance)**



- Duration of the administrative processes

- **Urban space re-allocation**
- **Public investments in outreach campaigns**
- **Local & Regional Authorities cooperation (governance)**
- **SULP & city logistics P&P agreement**



- Regulatory restrictions challenged the implementation of the green extension algorithm in the field
- Absence of innovation procurement
- Lack of Technical Specs for public works
- Lack of coordination among authorities

- **Regulatory changes** not in line with technology changes
- **Organizational restructuring** :re-examine decentralization in the public sector.
- **Innovative public procurement**
- Public investment for **developing Digital Twin infrastructure**