

*Welcome!*



THE CIVITAS INITIATIVE  
IS CO-FUNDED BY  
THE EUROPEAN UNION



# Transferring Last-mile Logistics Innovations and Models from one City to Another

1 October | 9:30-12:00

**CIVITAS FORUM 2024 | SIDE EVENTS**



# Transferring Last-mile Logistics Innovations and Models from one City to Another

Our programme



THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION

**Introduction**

**3 Presentations (Bologna, Hamburg, Thessaloniki)**

*Break*

**Round table 1 (40 min)**

*Break*

**Round table 2 (40 min)**

**Key takeaways by rapporteurs**





# Welcome and Introduction

Leading the Way: Transferring Last-Mile Logistics Innovations and Models from one European City to Another

Tuesday 1 October 2024, Parma

*Yannick BOUSSE, Project Adviser*

*European Climate, Infrastructure and Environment Executive Agency*

*Unit C3 - Horizon Europe Transport*

# IMPLEMENTING URBAN FREIGHT AND LOGISTICS RESEARCH AND INNOVATION

Net EU Contribution

47,88M<sup>0,04%</sup>  
of Programme (All)

Total Cost

54,2M<sup>0,04%</sup>  
of Programme (All)

Signed Grants

8<sup>0,02%</sup>  
of Programme (All)

Participation

214<sup>0,08%</sup>  
of Programme (All)

Unique Participants

185<sup>0,31%</sup>  
of Programme (All)

Average EU Contribution

Per project

5,99M

Average Total Cost

Per project

6,77M

SME participation

51<sup>23,83%</sup>  
of Programme (All)

SME Net EU Contribution

13,32M<sup>27,82%</sup>  
of Programme (All)



# CF2024 URBAN FREIGHT AND LOGISTICS SESSIONS



## Parallel Sessions III

Day 2 - Wed, 2 October, 11:00-12:30

**Session 10:**  
Ensuring Universal Safety: How Can Urban Mobility Design & Measures Protect All?

**Session 11:**  
Leveraging Data Integration for Seamless Mobility and Logistics

**CIVITAS FORUM 2024 | MAIN PROGRAMME**



## Parallel Sessions IV

Day 2 - Wed, 2 October, 14:00-15:30

**Session 12:**  
Driving Sustainable Urban Mobility: Strategies for Behavioural Change

**Session 13:**  
Daring Cities Connecting the Dots: Integrated Planning Approaches

**Session 14:**  
Charging Ahead: Electrifying Urban Mobility

**CIVITAS FORUM 2024 | MAIN PROGRAMME**



# Thank you

**Yannick BOUSSE**

[yannick.bousse@ec.europa.eu](mailto:yannick.bousse@ec.europa.eu)



[cinea.ec.europa](http://cinea.ec.europa)



[@CINEA\\_EU](https://twitter.com/CINEA_EU)



[CINEA - European Climate, Infrastructure and Environment Executive Agency](#)



[CINEATube](#)

© European Union 2020

Unless otherwise noted the reuse of this presentation is authorised under the [CC BY 4.0](#) license. For any use or reproduction of elements that are not owned by the EU, permission may need to be sought directly from the respective right holders.



THE CIVITAS INITIATIVE  
IS CO-FUNDED BY  
THE EUROPEAN UNION



# Transferring Last-mile Logistics Innovations and Models from one City to Another

1 October | 9:30-12:00

**CIVITAS FORUM 2024 | SIDE EVENTS**





THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION



Parma



Comune di Parma

# The URBANE Green Last-Mile Logistics Platform

Transferring Last-Mile Logistics Innovations and Models from one European City to Another



Alonso Davila Graf & Juliette Thijs



#CIVITAS2024





# Green Last Mile Logistics City Platform

**Working group of cities and regions on green last-mile logistics coordinated by URBANE**

## **Connect Local Authorities:**

- Peer-to-Peer Exchanges
- Share Best Practices, Challenges, Solutions, Policy Recommendations
- Capacity Building and Learning Opportunities

*Arad, Antwerp, Barcelona Metropolitan Area, Bologna, City of Mechelen, Emilia-Romagna Region, City of Hamburg, Getafe, Helsinki, Istanbul, Leuven, Madrid, Prague, Riga, Sarajevo*

2 – 3 meetings per year

1 in-person meeting every year







THE CIVITAS INITIATIVE  
IS CO-FUNDED BY  
THE EUROPEAN UNION



# Transferring Last-mile Logistics Innovations and Models from one City to Another

1 October | 9:30-12:00

**CIVITAS FORUM 2024 | SIDE EVENTS**





THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION



Parma



Comune di Parma

# Urban Freight and Logistics Cluster

Transferring Last-Mile Logistics Innovations and Models from one European City to Another



Anne-Charlotte Trapp, Eurocities



#CIVITAS2024

# The CIVITAS Urban Freight and Logistics Cluster

## CIVITAS clusters objectives



THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION

### Strong thematic links

Cross-pollination of ideas and expertise among CIVITAS projects and beyond, with the involvement of external experts or non-CIVITAS projects.

### Knowledge sharing

Create a dynamic platform for projects to share findings, results, and innovative solutions as well as identifying common challenges in the implementation of their projects.

### Synergies and cooperation

Explore avenues for cooperative efforts, leading to joint activities, events, outputs and publications to avoid duplication of efforts.

### Dissemination of your results

Support projects in disseminating results and make the most out of the CIVITAS Initiative.



# The CIVITAS Urban Freight and Logistics Cluster

## Overview of clusters



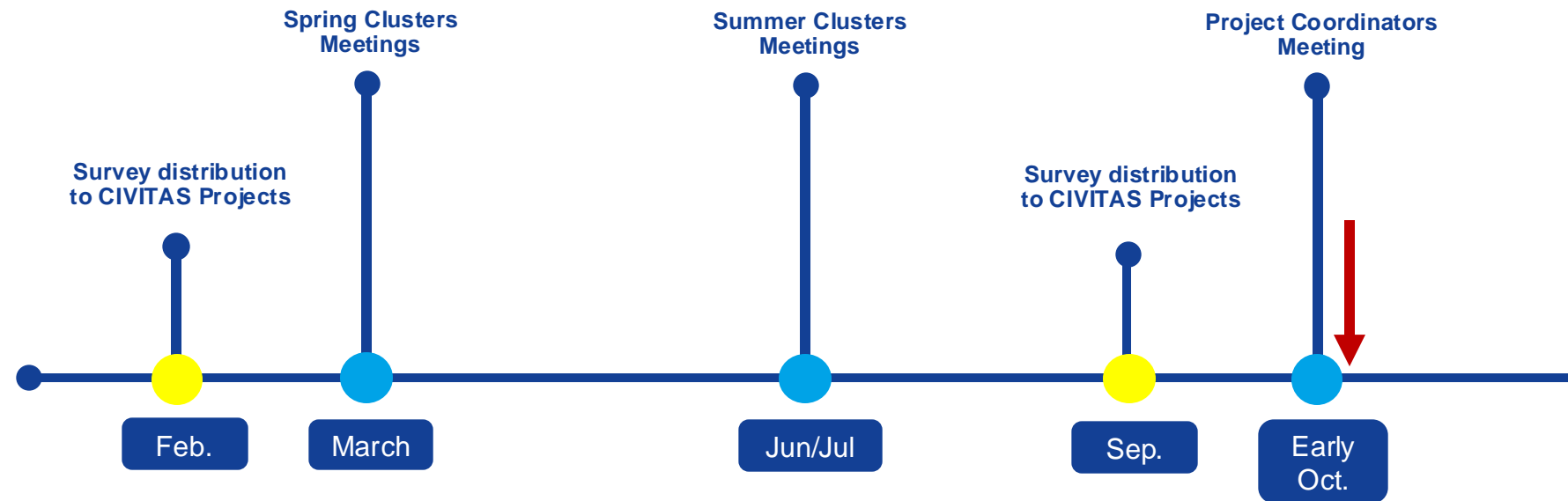
THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION

Cluster Leaders					
CIVITAS Projects	<p>Governance and integrated planning Cluster</p> <ul style="list-style-type: none"> <li>• MOVE21</li> <li>• SCALE-UP</li> </ul>	<p>Urban Freight and Logistics Cluster</p> <ul style="list-style-type: none"> <li>• SENATOR</li> <li>• GREEN-LOG</li> <li>• URBANE</li> <li>• UNCHAIN</li> <li>• DECARBOMILE</li> <li>• DISCO</li> <li>• CodeZERO</li> <li>• GreenTurn</li> </ul>	<p>New Mobility Services Cluster</p> <ul style="list-style-type: none"> <li>• GEMINI</li> <li>• SUM</li> <li>• metaCCAZE</li> <li>• MOBILITIES for EU</li> </ul>	<p>Public Transport Cluster</p> <ul style="list-style-type: none"> <li>• UPPER</li> <li>• SPINE</li> </ul>	<p>Urban Public Space Design Cluster</p> <ul style="list-style-type: none"> <li>• AMIGOS</li> <li>• ELABORATOR</li> <li>• JUST STREETS</li> <li>• REALLOCATE</li> </ul>
Synergies	<ul style="list-style-type: none"> <li>• Urban Nodes Forum</li> <li>• ELTIS</li> </ul>	<ul style="list-style-type: none"> <li>• ETP ALICE</li> </ul>	<ul style="list-style-type: none"> <li>• NMS Community</li> <li>• NetZeroCities</li> <li>• CCAM partnership</li> <li>• 2Zero</li> </ul>	<ul style="list-style-type: none"> <li>• NetZeroCities</li> <li>• UITP</li> <li>• EMTA</li> </ul>	<ul style="list-style-type: none"> <li>• NetZeroCities</li> </ul>



# The CIVITAS Urban Freight and Logistics Cluster

## Overview of clusters – yearly cycle





# The CIVITAS Urban Freight and Logistics Cluster

## Involved projects



THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION

Horizon 2020		Horizon Europe	
2019	2021	2022	2023
Shared-connected and low-emission logistics operations in urban areas	New delivery methods to green the last mile	Urban logistics and planning - digitalisation	Zero-emission e-commerce and freight delivery and return choices

SENATOR



DECARBOMILE



DISCO



CodeZERO



LEAD



URBANE



UNCHAIN



GreenTurn



ULaaDS



GREEN-LOG



# The CIVITAS Urban Freight and Logistics Cluster

## Joint actions & Objectives



THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION

- **Collaboration and synergies** with ongoing projects and initiatives
- Focus on **outcomes and impacts** of the work programme
- **Exploitation and market uptake** of the project results
- Appropriate **involvement of logistics providers and ‘end users’**
- **Exchange** challenges and solutions (based on survey responses i.e data management)
- Joint **Knowledge Exchange** i.e. *Logistics data spaces, and ITS for logistics June 2024*
- Joint **Communication and Dissemination outputs**, i.e. *TRA 2024*
- Joint **Urban Logistics Recommendations**





THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION



Parma



Comune di Parma

# Thank you!



**Anne-Charlotte Trapp**  
[annecharlotte.trapp@eurocities.eu](mailto:annecharlotte.trapp@eurocities.eu)



#CIVITAS2024



THE CIVITAS INITIATIVE  
IS CO-FUNDED BY  
THE EUROPEAN UNION



# Transferring Last-mile Logistics Innovations and Models from one City to Another

1 October | 9:30-12:00

**CIVITAS FORUM 2024 | SIDE EVENTS**





Comune di Parma

# Logistics Solutions in Low Traffic Zones - Example of a Micro-Hub Network

Transferring Last-Mile Logistics Innovations and Models from one European City to Another

Luca Bellinato



#CIVITAS2024

# Introduction

## URBANE



# URBANE - Upscaling Innovative Green Urban Logistics Solutions Through Multi-Actor Collaboration and PI-inspired Last Mile Deliveries

## Quick info

- Horizon Europe project
- Started in September 2022
- Will run until February 2026
- Bologna received a budget of 400.000 €

URBANE

URBANE



# Key facts about the logistics measure

## URBANE



## OBJECTIVES

- Develop new **collaborative business model** for setup and operation of sustainable micro-logistics hubs network (Nearby Delivery Areas as in the Sulp), combined with innovative delivery methods
- Replace conventional vans with **light Electric Delivery Vehicles**
- Introduction of **Physical Internet** models in urban freight deliveries
- Develop a **Digital Twin** of the micro-logistics hubs network, fed with real time data, used for planning and implementing urban freight-related measures



# Key facts about the logistics measure URBANE



## LIVING LAB PARTNERS AND SYNERGIES

### Partners

<b>Institutions</b> 	<b>Research</b> 	<b>IT Provider</b> 	<b>Transport Operators</b> 
<b>Observers</b> 	<b>Last miler (contracted)</b> 	<b>Micro-Hub (contracted)</b> 	

### Synergies

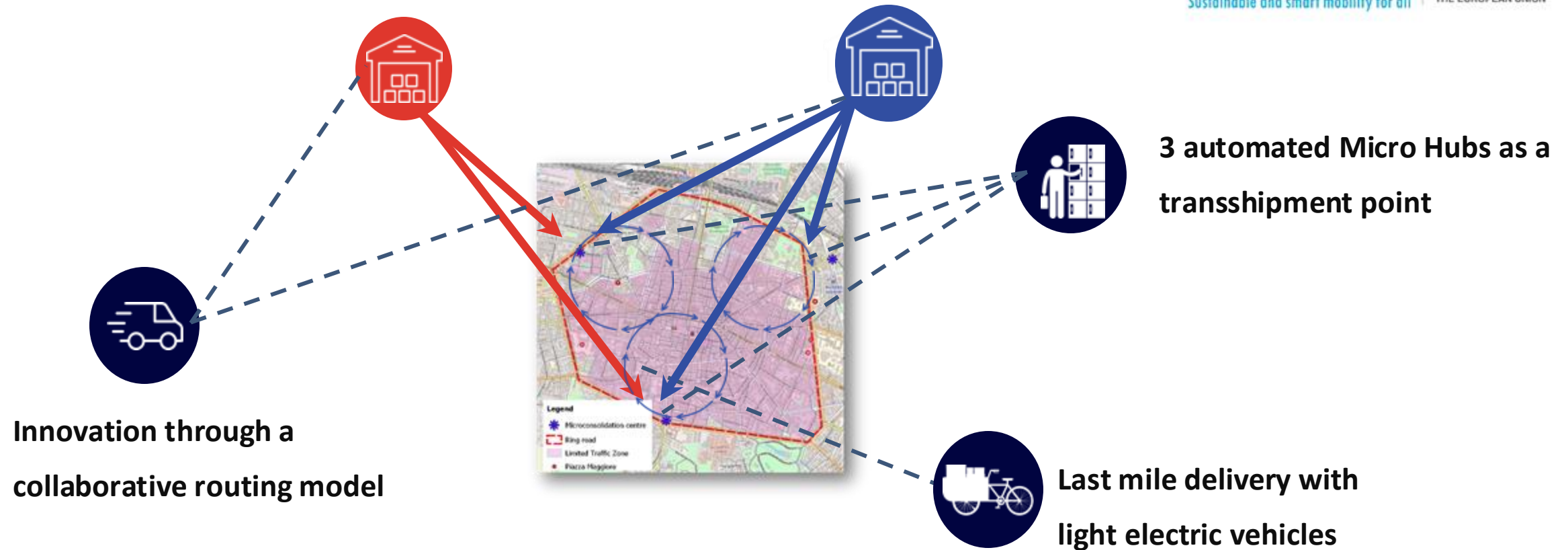
<b>Institutions</b> 	<b>Projects</b> 
-------------------------	---------------------



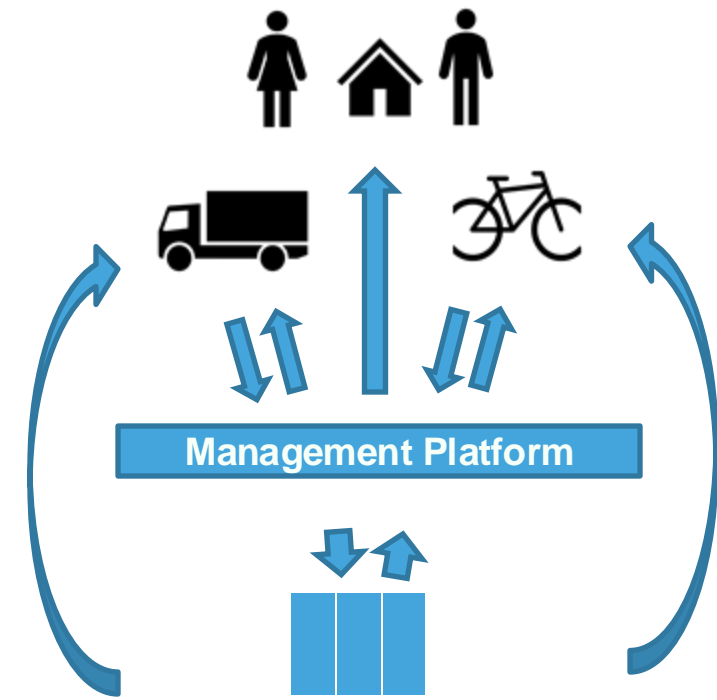
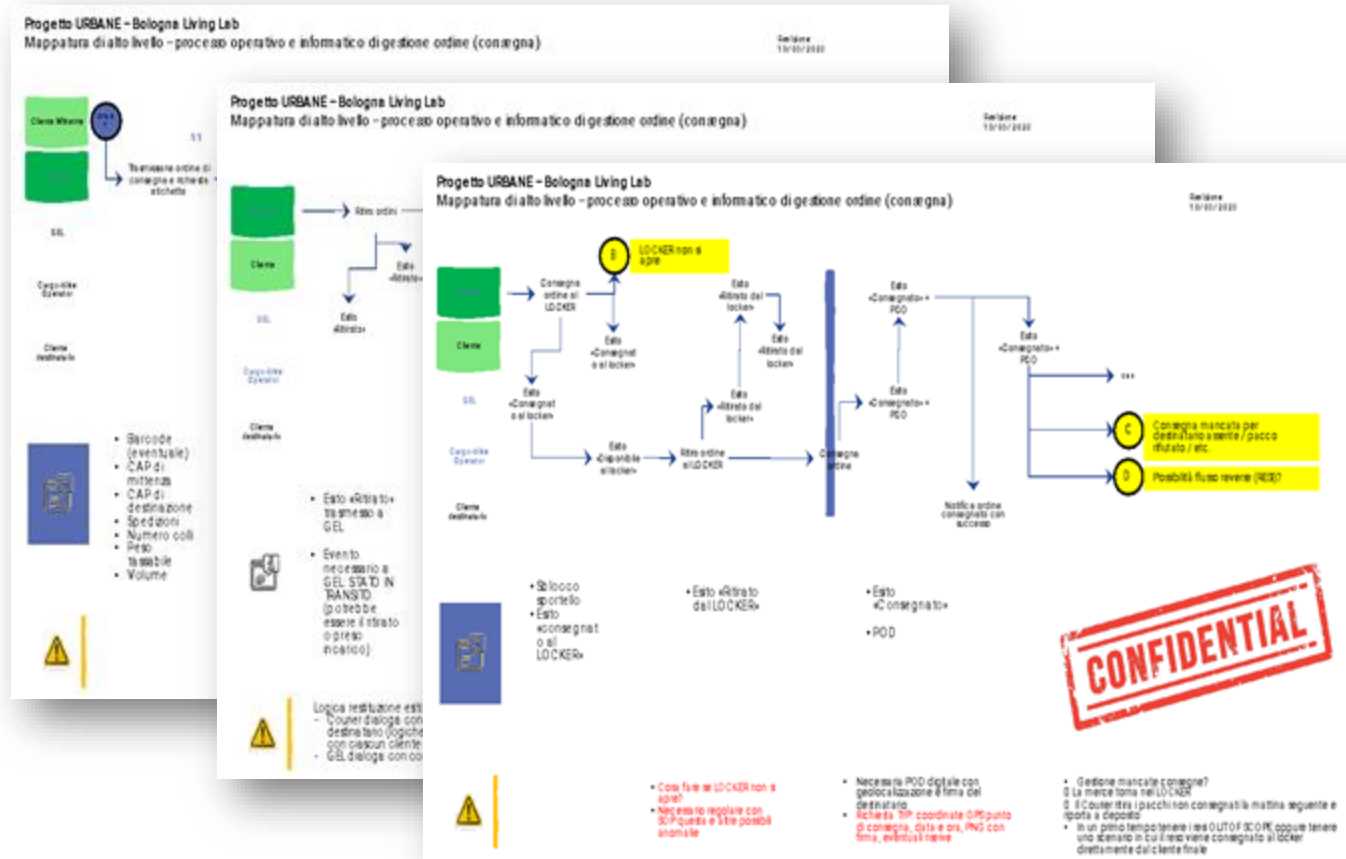


# Key facts about the logistics measure

## URBANE



# Key facts about the logistics measure URBANE



Robust management platform needed to orchestrate such a complex workflow.



# Key facts about the logistics measure

## URBANE



01	Promoting the shared use of public space	In a smart, flexible and interoperable way avoiding the proliferation of siloed, privately branded micro-hubs
02	Seeking a sustainable business model	Flexible and scalable, transferable solution
03	Improving the governance of urban logistics	Very little data is currently available from operators



# Key lessons learned about the logistics measure

## URBANE



## Results achieved in the first 3 months of operation

- 30% **CO2 emissions savings** compared with their conventional door-to-door deliveries;
- The **quality of the deliveries increased** as most of the parcels were delivered on the first attempt.
- Integration of blockchain and smart contracts for the **Proof of Delivery**;
- Increased **delivery speed** compared to traditional methods.



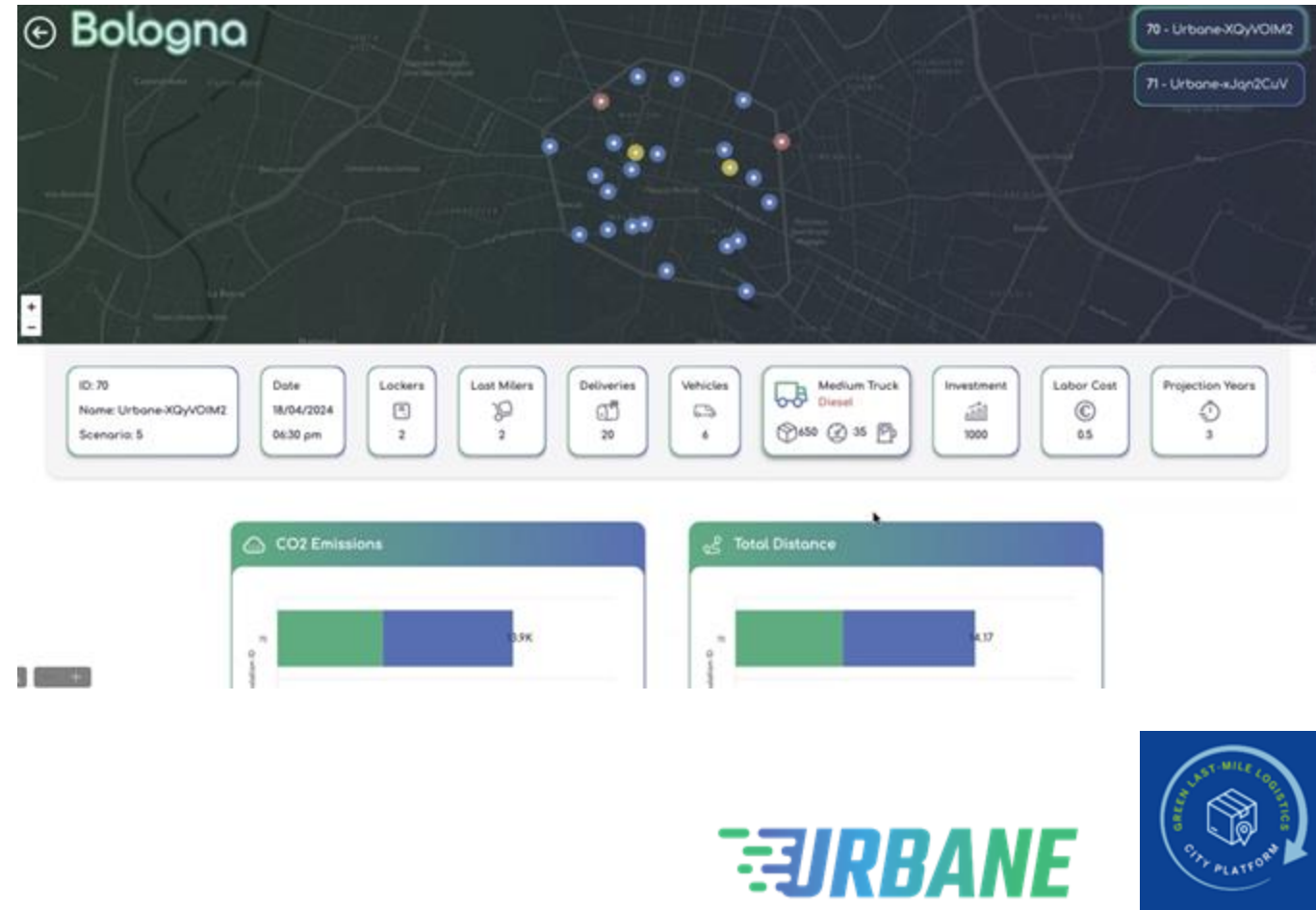
# Key lessons learned about the logistics measure

## URBANE



### Lessons learnt in the first 6 months of operation

- Difficulty in the involvement of other transport operators except for the 2 project partners;
- Express couriers prioritize their own staff and branded services. They are not inclined to use a third-party transport operator;
- Start with low volumes to consolidate the relationships between LL stakeholders and optimize the flow.



# Key facts about the logistics measure MOVE21



**MOVE21 - Multimodal and interconnected hubs for freight and passenger transport contributing to a zero emission 21<sup>st</sup> century**

**Vision** - Develop solutions for connected, smart and clean mobility and logistics in European cities.

Transform European cities and functional urban areas, and accelerate the pace of decarbonisation of the transport sector and the green transition in Europe.

Helps cities to transform into climate neutral and connected multimodal urban nodes for mobility and logistics.



## Leading cities - Living Labs



Oslo



Gothenburg



Hamburg

Replicator cities: Bologna, Roma, Munich



## To further discuss

### Questions and topics for the roundtable



- How to involve more operators?
  - We are already addressing it through some dissemination activities and ad hoc questionnaires
- Is focusing on "traditional transport operators" rather than express couriers the only option? How to involve express courier?
- How to scale the model?
  - economic sustainability, number of hubs, type of parcels processed, public vs private space



## To further read Resources and links



## More resources

- <https://www.comune.bologna.it/servizi-informazioni/progetto-europeo-urbane>
- <http://www.comune.bologna.it/relazioniinternazionali/notizie/159:50717/>
- <https://www.urbane-horizoneurope.eu/>
- <https://move21.eu/city/bolo/>







THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION



Parma



Comune di Parma

# Thank you!



**Luca Bellinato**

[luca.bellinato@comune.bologna.it](mailto:luca.bellinato@comune.bologna.it)



#CIVITAS2024



THE CIVITAS INITIATIVE  
IS CO-FUNDED BY  
THE EUROPEAN UNION



# Transferring Last-mile Logistics Innovations and Models from one City to Another

1 October | 9:30-12:00

**CIVITAS FORUM 2024 | SIDE EVENTS**





THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION



Parma



Parma

# Innovative Last-Mile Logistics, Mobility and Hub concepts – Mobility for People and Goods



Transferring Last-Mile Logistics Innovations and Models from one European City to Another



Sophonius Schalies



# Introduction

## DECARBOMILE & MOVE21: key facts about the projects



- Five pillars to DECARBOnize the last MILE logistics
- main goals:
  - **decarbonize the last mile**
  - **develop interoperable and multimodal logistics solutions**
  - **reduce congestion and noise pollution**
- project duration: September 2022 – August 2026
- HORIZON2020 Project



- Multimodal and Interconnected Hubs for Freight and Passenger Transport Contributing to a Zero Emission 21st Century
- main goals:
  - **test innovative integrated solutions for the transport of persons and goods**
  - **reduce emissions**
  - **increase resilience of transport systems**
- project duration: May 2021 – April 2025
- HORIZON2020 Project



THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION



# Key facts

**DECARBOMILE: river logistics**

**second last mile:  
electric boat**



Pictures: © AVATAR, DECARBOMILE



**unloading  
site city**



**last mile: e-cargo-bikes**



**URBANE**



THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION

- pilot testing period: approx. 4 months in summer 2025
- shared use of the boat with the InnoWaTr-project

# Key lessons learned

## DECARBOMILE: river logistics

### Lessons learned

- integrating urban river transport into existing logistical delivery chains is possible
- very limited public space for the installment of hubs  
→ use of mobile hubs
- a lot of different permits from different authorities are necessary and a lot of regulations have to be considered (but support from the authorities is very good)

### Challenges

- predicting the tide, the current, the weather and the travel time correctly and on time so the logistics service provider is able to reallocate its resources if necessary

### Opportunities

- increased use of the waterways in Hamburg for logistics purposes in order to reduce emissions and congestion
- develop concepts for scalability and replicability
- assessment of different use cases (e.g. other goods / services) based on the experience gathered



THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION



Pictures: © RYTLE, Hamburg Port Authority



# Key facts and key lessons learned

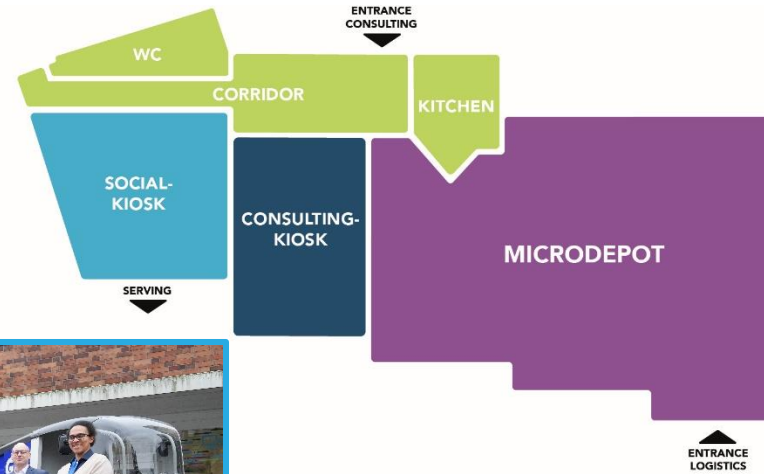
## MOVE21: multifunctional neighborhood hub Holstenstraße



THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION

### Multi-functional use of the hub

- Micro depot for last mile logistics
- Distribution point for food and clothing for people in need
- Social counselling and support



### Lessons learned

- Combination of logistics and social uses possible within one business model
- The degree of professionalism of the users is more decisive in terms of the support and monitoring required than their field of operation.

### Challenges

- Duration of administrative processes (change of use application)

### Opportunities

- Interim use of building for sustainable urban logistics
- Combination of logistic and social services



# Key facts and key lessons learned

## MOVE21: multifunctional neighborhood hub Kaltenkircher Platz



### Lessons learned

- Living Lab processes do not always follow a linear approach

### Challenges

- Power supply expansion for different measures requesting electricity

### Opportunities

- Combined use of parking space, infrastructure for last mile logistics, mobility and potentially recycling/circular economy
- Conversion of parking space that was previously used only by cars
- Additional locally linked mobility services and improved transfer options strengthen and facilitate the use of eco-mobility
- Increased quality of stay and perception of safety due to added uses and improved visibility of area

### Logistics

micro-depot  
"new parking space design" used by a local logistic start-up

### Mobility

- Carsharing & charging
- Infrastructure ('switch point')
- Parking zone for micro-mobility
- Bicycle racks

### Circular economy

Collection of recyclable goods (cooperation with **MoLo Hubs project**)  
(planned end of 2024)





# Key facts and key lessons learned

## MOVE21: Combined transport of people and goods using the on-demand shuttle of MOIA



### Lessons learned

- Combined transport works with an accompanying person for goods.
- Sufficient time for advertisement to be factored in

### Challenges

- Ensuring a relevant volume of real shipments

### Opportunities

- Addition of re-driven real courier shipments from the previous month
- Particular integration of public transport and taxi-systems

**Other use case “combined transport of people and goods using using a regular bus in sub-urban Rissen” (Rissen bringt’s) can be discussed during the round-table session.**



### Goals

- Transportation of people and goods in the same electric powered vehicle designed for mobility (on-demand shuttle)
- Improving services for social aid organizations
- Use existing resources and capacities more efficiently
- Reduce climate and traffic pollution
- Developing new mobility and logistics concepts by getting in dialogue with local couriers

## To further discuss

### Questions and topics for the roundtable

- What concepts do you want to have discussed in more depths? Is there anything that needs to be clarified?
- Where do you see room for improvement regarding the concepts presented? Any suggestions or experiences you want to share?
- Could the concepts presented be replicated in your city? Where do you see potentials / obstacles?
- There is very limited space for people, transport and logistics in urban areas. What modes of transportation could be beneficial for the future? Could multifunctional urban spaces be part of the solution?



THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION



## To further read

### Resources and links

project websites:

- <https://decarbomile.eu/>
- <https://move21.eu/>

websites of other projects mentioned:

- <https://www.interregnorthsea.eu/innowatr>
- <https://www.interregnorthsea.eu/molo-hubs>

For regular updates you might also consider following the projects on LinkedIn.



THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION





THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION



Parma



Parma

# Thank you!



**Sophonius Schalies**

[ssc@hamburg-logistik.net](mailto:ssc@hamburg-logistik.net)

<https://www.hamburg-logistik.net/en/>



#CIVITAS2024



THE CIVITAS INITIATIVE  
IS CO-FUNDED BY  
THE EUROPEAN UNION



# Transferring Last-mile Logistics Innovations and Models from one City to Another

1 October | 9:30-12:00

**CIVITAS FORUM 2024 | SIDE EVENTS**





THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION



Parma



Comune di Parma

# URBANE – Thessaloniki Living Lab act towards green last-mile delivery for e-commerce



Transferring Last-Mile Logistics Innovations and Models from one European City to Another



Zisis Maleas | CERTH-HIT



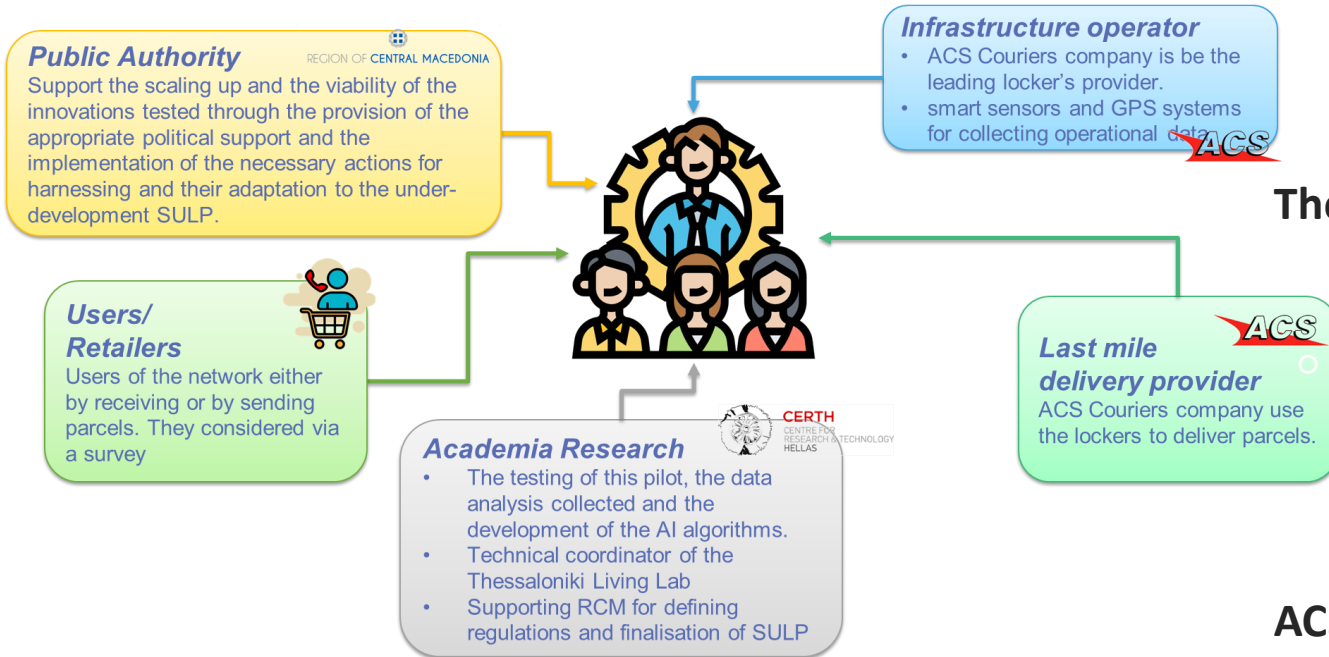
#CIVITAS2024

# Introduction

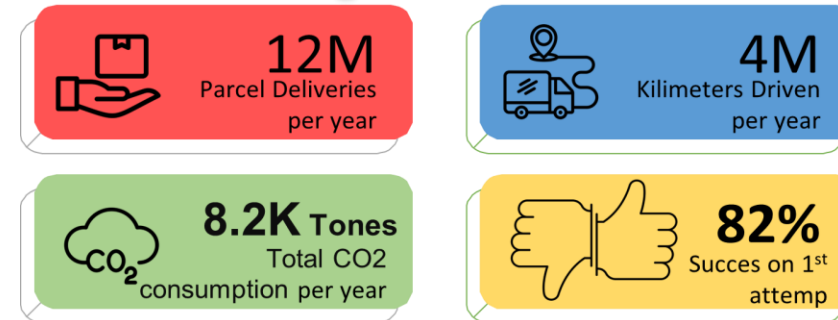
# URBANE | Thessaloniki LL



## Stakeholders involved



## Challenges in Numbers



## Thessaloniki Agglomeration Authority :

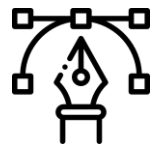
- Holistic SULP for the Agglomeration & Thessaloniki Municipality
- Optimization of City logistic facility location & strategy for urban space use for e-commerce activities
- decarbonization
- Data driven collaboration with industry for lockers development in urban space

**ACS courier:** Decarbonization and efficiency optimization of delivery process & examination of collaboration BMs & large-scale installation of parcel



# Key facts about the logistics measure

## Locker Alliance network



**Support companies** to design their parcel locker network in order to optimize their green last mile operations



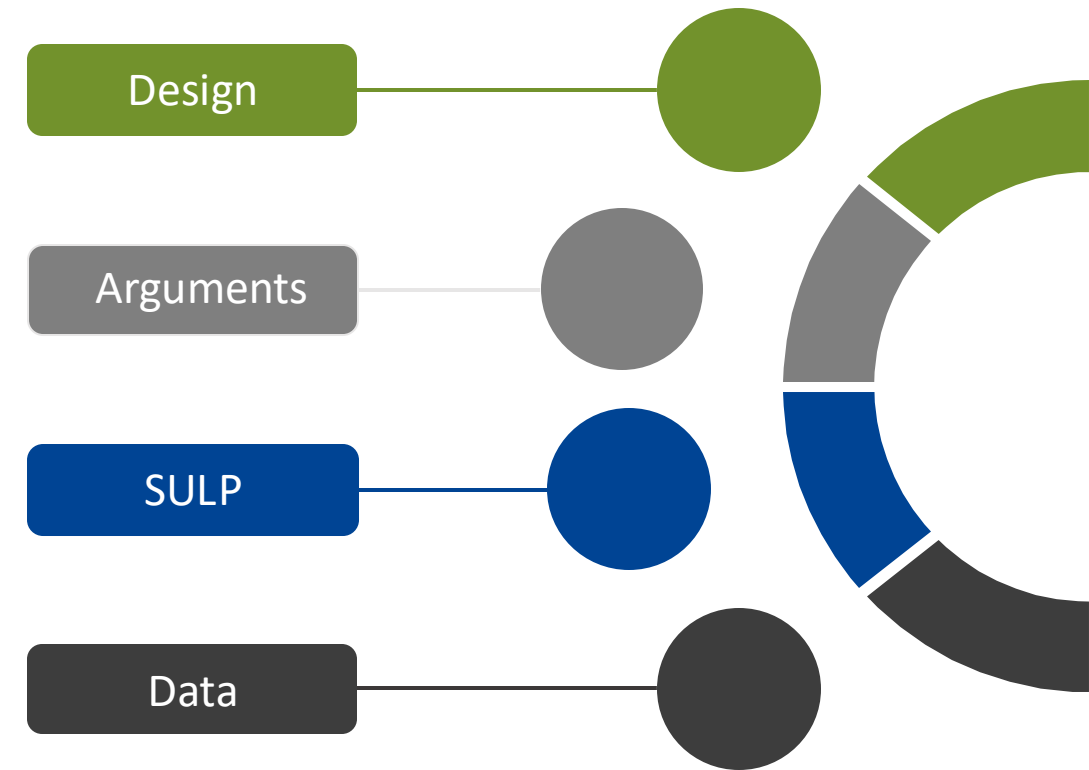
**Provide argument for city authorities** to guide LSPs to mitigate on collaborative business models with shared assets



**Support city authorities to design SULP** by considering new urban space allocation policies



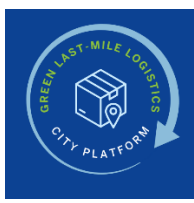
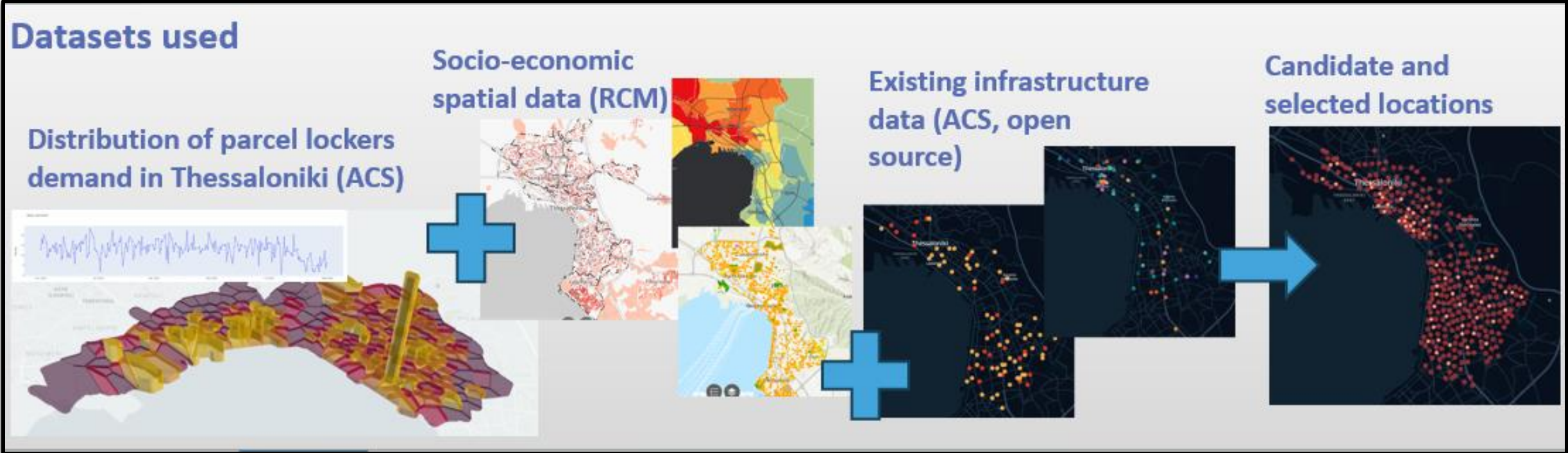
**Fusion of different data sources** for feasibility checking





# Key facts about the logistics measure

## Locker Alliance network



# Key facts about the logistics measure

## UCC as a PI green last-mile solution



### Data Layer

Collection of Business & Traffic Data Sets & Model development

### Digital Twin Layer

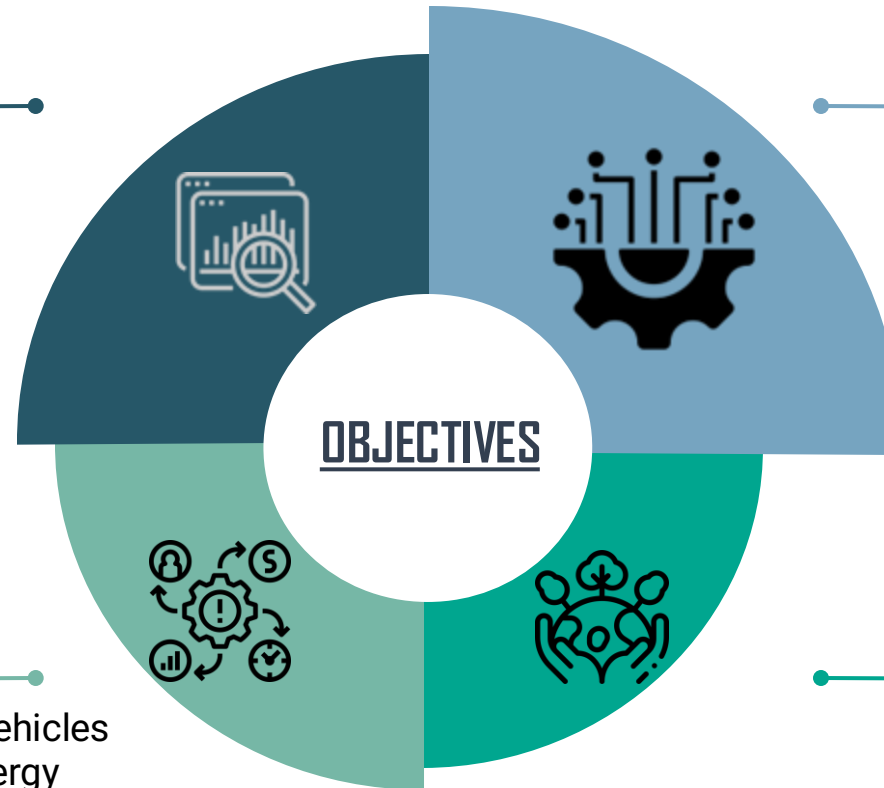
Use **Digital Twin** to refine strategies for vehicle routing, loading, and unloading to enhance last-mile delivery efficiency through dynamic routing algorithms.

### Impact Assessment Layer

Feasibility analysis of electric vehicles (EVs) for their performance, energy efficiency, and environmental impact in urban logistics.

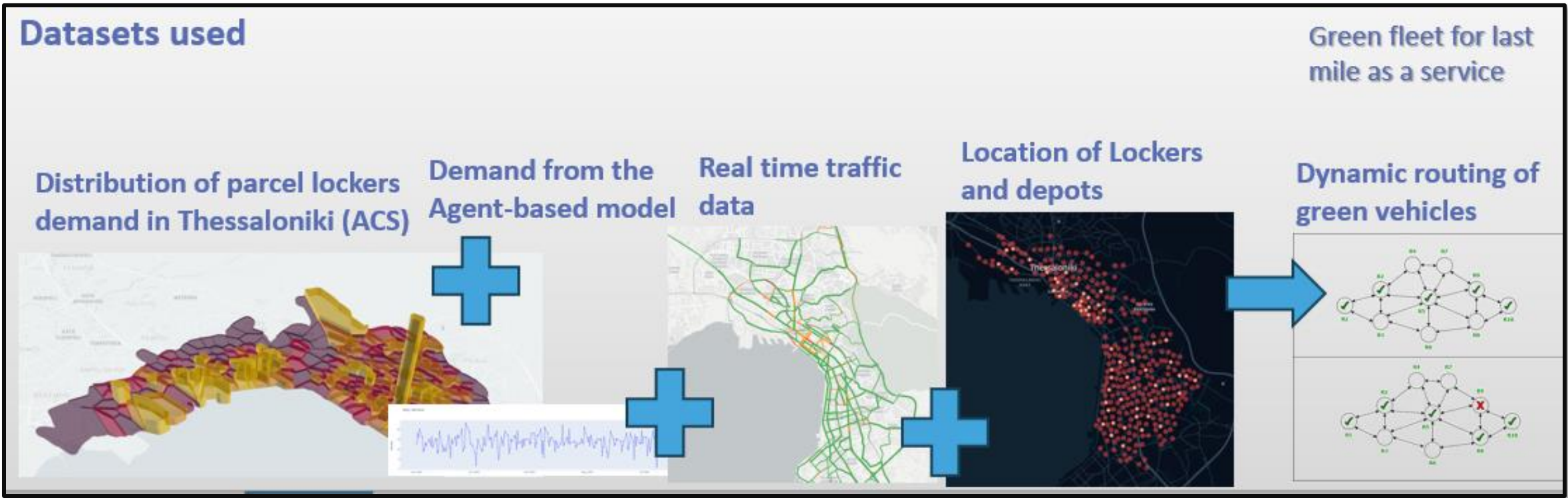
### Environmental Layer

Test New business model in CO2 reduction



# Key facts about the logistics measure

## UCC as a PI green last-mile solution



# Key facts about the logistics measure

## Models Deployed



THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION

# 01

## Facility Location

Optimal sizing and configuration of the network

# 02

## Blockchain

Transparent, reliable, and resilient transaction on shared locker operations

# 03

## Agent-based behavior analysis

In-depth understanding of customer behavior

# 04

## Green delivery DT

Zero emissions and sustainable delivery with green vehicles with Dynamic Routing



# Key lessons learned about the logistics measure

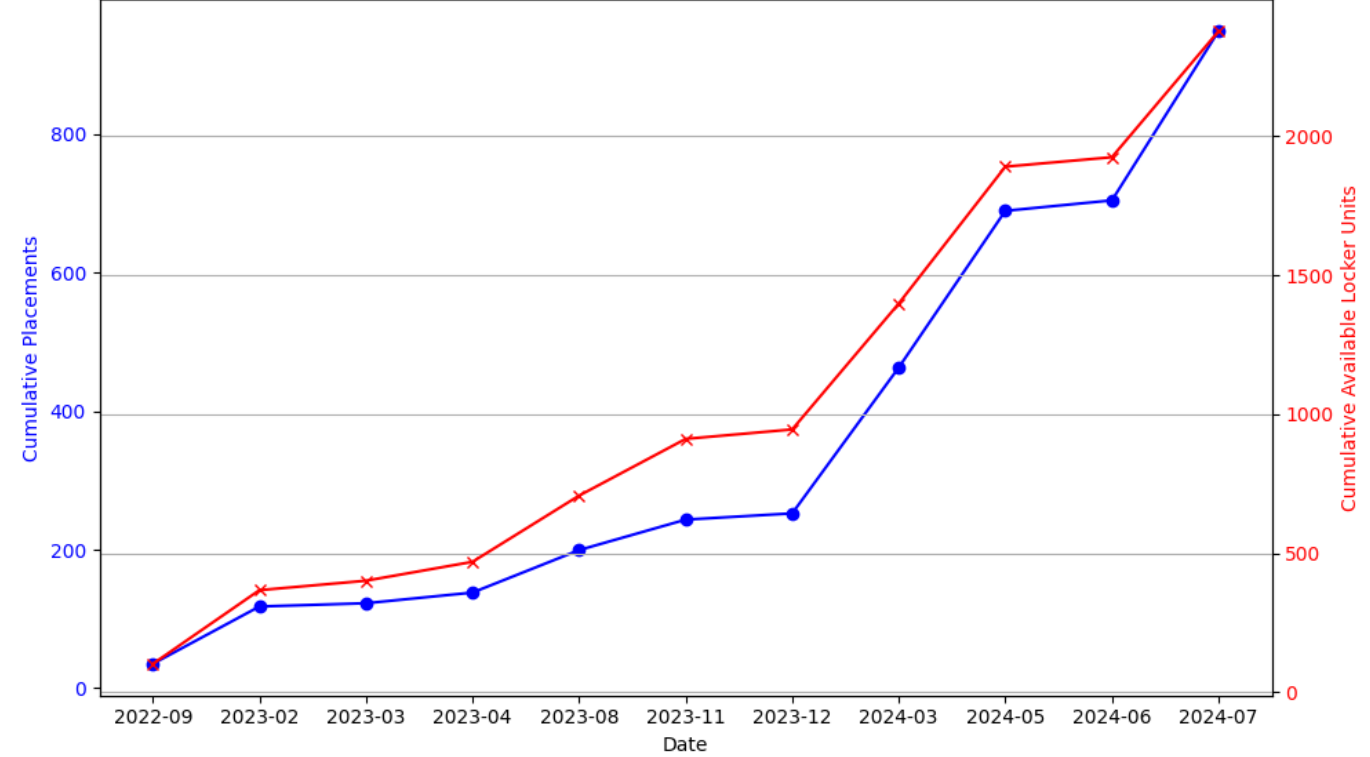
## Locker Alliance network



**10.2%**  
Parcel Lockers Pickup Rate improvement due to optimal locker expansion

**4.5% → 29%**  
Parcel Lockers Fill Rate increment to better demand induction

Estimated Demand Increment and Cumulative Available Locker Units Over Time

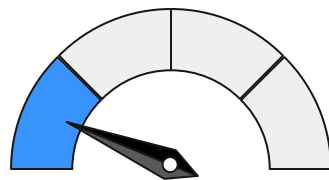


# Key lessons learned about the logistics measure

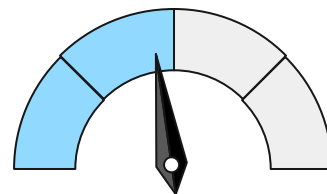


THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION

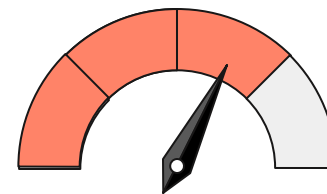
	Baseline	ILN	ALN	UCCLN
CO2 Emissions Reduction	-	-49.6%	-61.7%	-89.6%
Kilometers per Delivery	-	-52.3%	-63.5%	-82%
Deliveries per Trip	-	+13.5%	+21.6%	+43.2%
First-Attempt Deliveries	-	+3.7%	+10.5%	+16.1%
Freight Vehicles	-	-42.4%	-60.3%	-73.8%



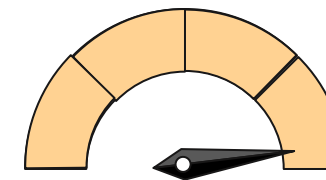
Baseline Scenario  
Describes the current  
situation



Individual Locker  
Network outperforms  
baseline scenario



Alliance Locker Network  
shows significant  
improvements



Full collaborative model  
under UCC can reduce  
emissions by up to 90%!



# Key lessons learned about the logistics measure

- ❑ **Stakeholder Engagement and Adaptation:** Although initially hesitant, ACS ultimately agreed to participate in the locker alliance network after recognizing the potential for increased delivery efficiency demonstrated by the project's promising results.
- ❑ **Validation of Blockchain as a Trustworthy Technology Does Not Require Groundbreaking Restructuring of IT infrastructure:** The adoption of blockchain solutions during the pilot tests demonstrated the technology's capability in enhancing logistics transparency and security
- ❑ **Strategic Placement of Lockers Should Incorporate Multiple Data Sources and Stakeholder Needs:** The analysis of locker locations led to ACS adopting at least 11 of the proposed locker sites out of a hundred identified to date.
- ❑ **Incremental Implementation Yields Manageable Insights:** By evaluating the impact of each stage separately, the project was able to identify the specific benefits and challenges associated with each innovation.



THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION



## To further discuss

### Questions and topics for the roundtable



THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION

- How should we convince governmental authorities and business entities on participating on collaborative (PI) schemes as a measure to mitigate emissions and greening the operations?
- At which way public authorities can nudge and activate this process?
- Which are the critical steps need to be followed to deliver successful innovations for greening urban logistics into real operations?
- Do companies willing to swift and change their business models according to local and regional goals of sustainability ? And which are the greater barriers ?





## To further read

### Resources and links

- ✓ **Impact Assessment Radar:** <https://ia-radar.imet.gr/>
- ✓ **Urbane Transferability Platform :** <https://urbane.inlecom.eu/#/auth/login>
- ✓ **URBANE homepage:** <https://www.urbane-horizoneurope.eu/>
- ✓ **URBANE Newsletter :** <https://www.urbane-horizoneurope.eu/resources/>
- ✓ **LinkedIn :** <https://www.linkedin.com/company/urbane-project/>



THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION





THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION



Parma



Comune di Parma

# Thank you!



**ZISIS MALEAS**  
[zismaleas@certh.gr](mailto:zismaleas@certh.gr)



#CIVITAS2024



THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION

# 5 min break





THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION

# Round table 1





THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION

# 5 min break





THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION

# Round table 2





THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION

# Key takeaways from the table rapporteurs

Maria Kampa, URBANE Coordinator

Giuseppe Luppino, ALICE

Paola Astegiano, DISCO Coordinator





THE CIVITAS INITIATIVE  
IS CO-FINANCED BY  
THE EUROPEAN UNION



Parma



Comune di Parma

# Thank you!



#CIVITAS2024