

# Overview of the MOVE21 project and a sneak peak into the Oslo Living Lab

8 April 2022

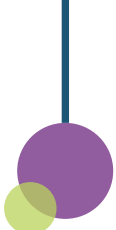
Tiina Ruohonen, City of Oslo

Project coordinator of MOVE21



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 953939





# Multimodal and interconnected hubs for freight and passenger transport contributing to a zero emission 21st century

- Horizon 2020 Innovation Action
- CIVITAS demonstrator project
- EU funding 9 MEUR in addition to co-funding from participants
- Runs from May 2021 to April 2025
- 24 partners in 7 countries
  - Public authorities
  - Public transport companies
  - Industry partners and SMEs
  - Research organisations
  - Network organisations



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**MOVE21** will help European cities to transform into climate neutral, connected multimodal urban nodes for smart and clean mobility and logistics



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# Cities in the lead



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### LIVING LABS

- Oslo
- Gothenburg
- Hamburg

2

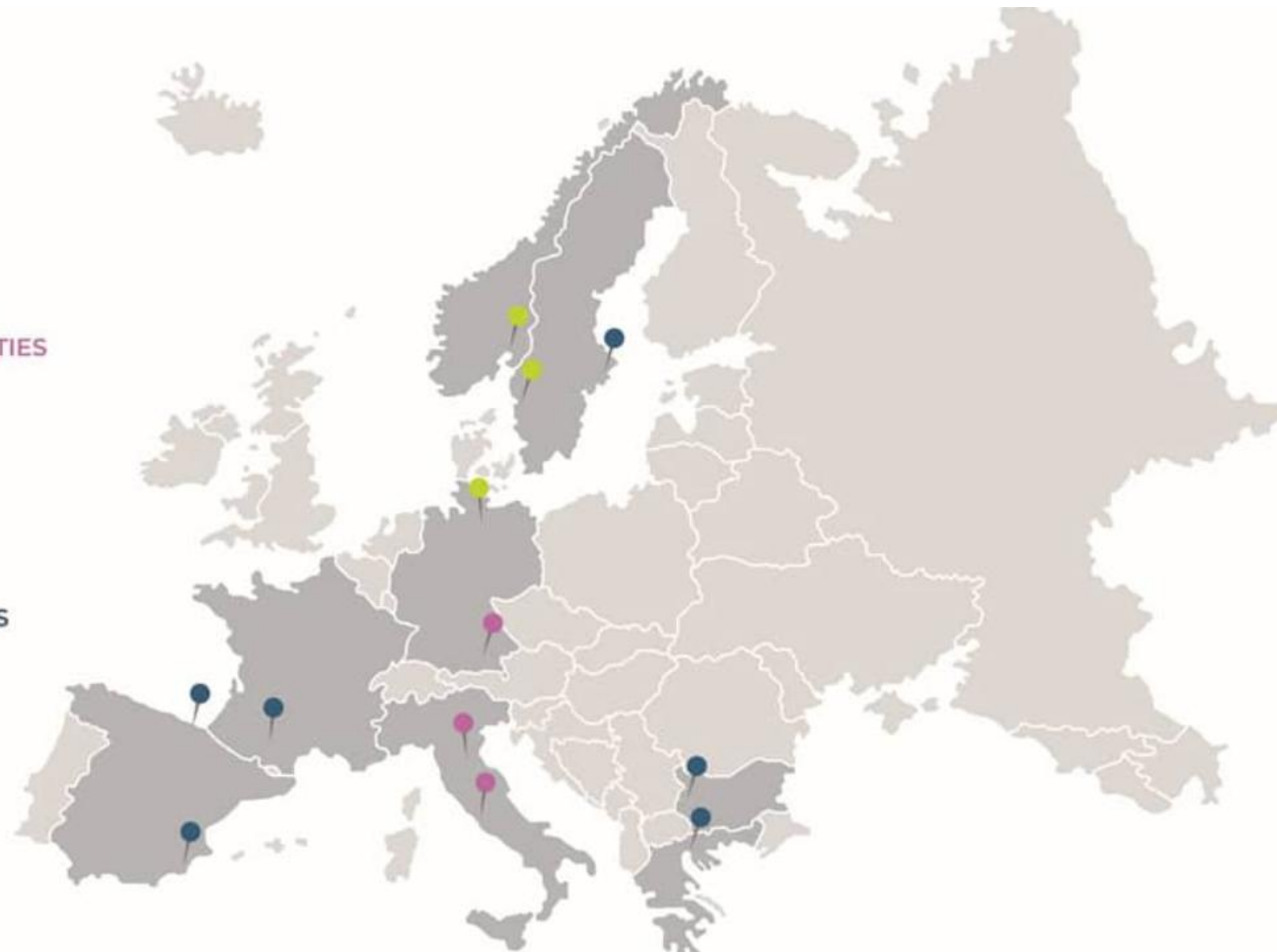
### REPLICATOR CITIES

- Munich
- Rome
- Bologna

3

### CASCADE CITIES

- Thessaloniki
- Toulouse
- Stockholm
- Bilbao
- Murcia
- Sofia



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## Approach

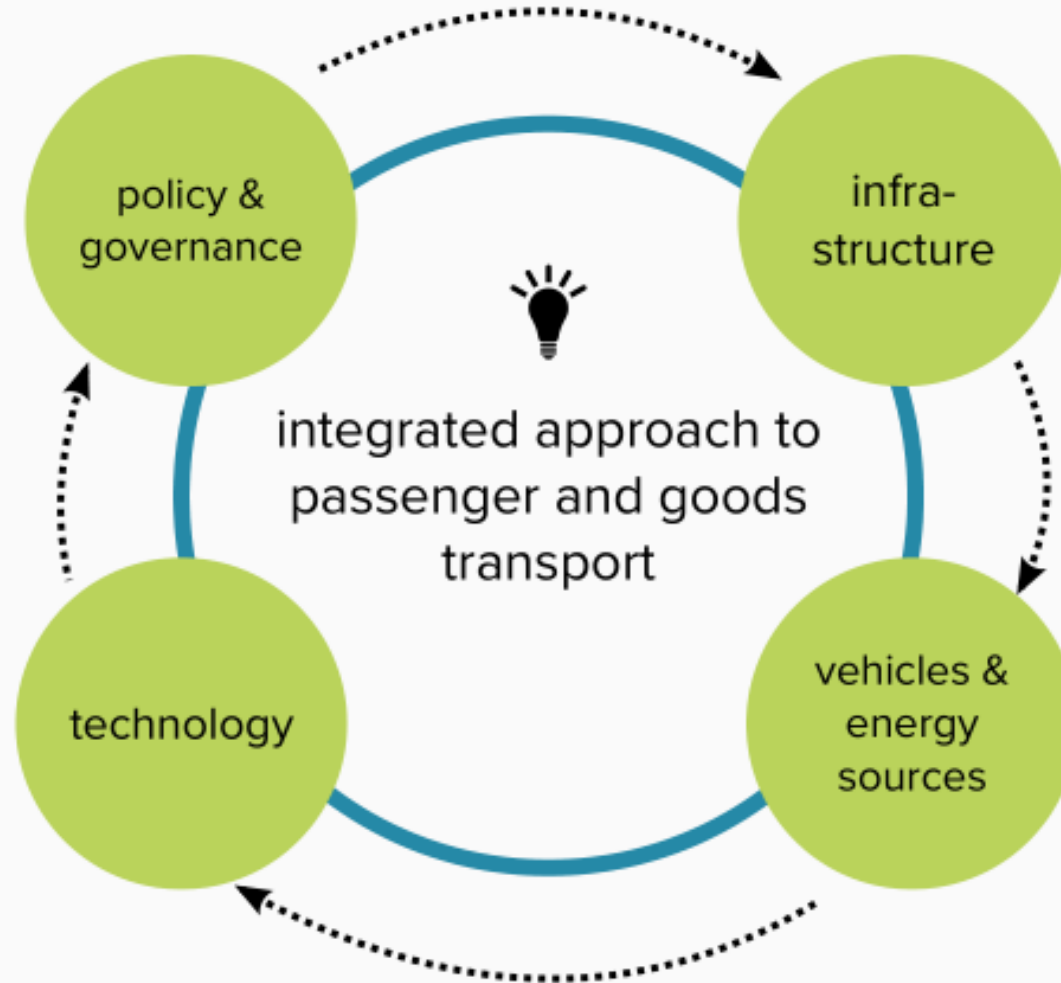
- View passenger and freight transport through one lens
- Combine non-technological and technological innovations in new ways to facilitate long-term decarbonisation efforts in European cities
- Increase efficiency, capacity utilisation, accessibility and innovation capacity in urban transport



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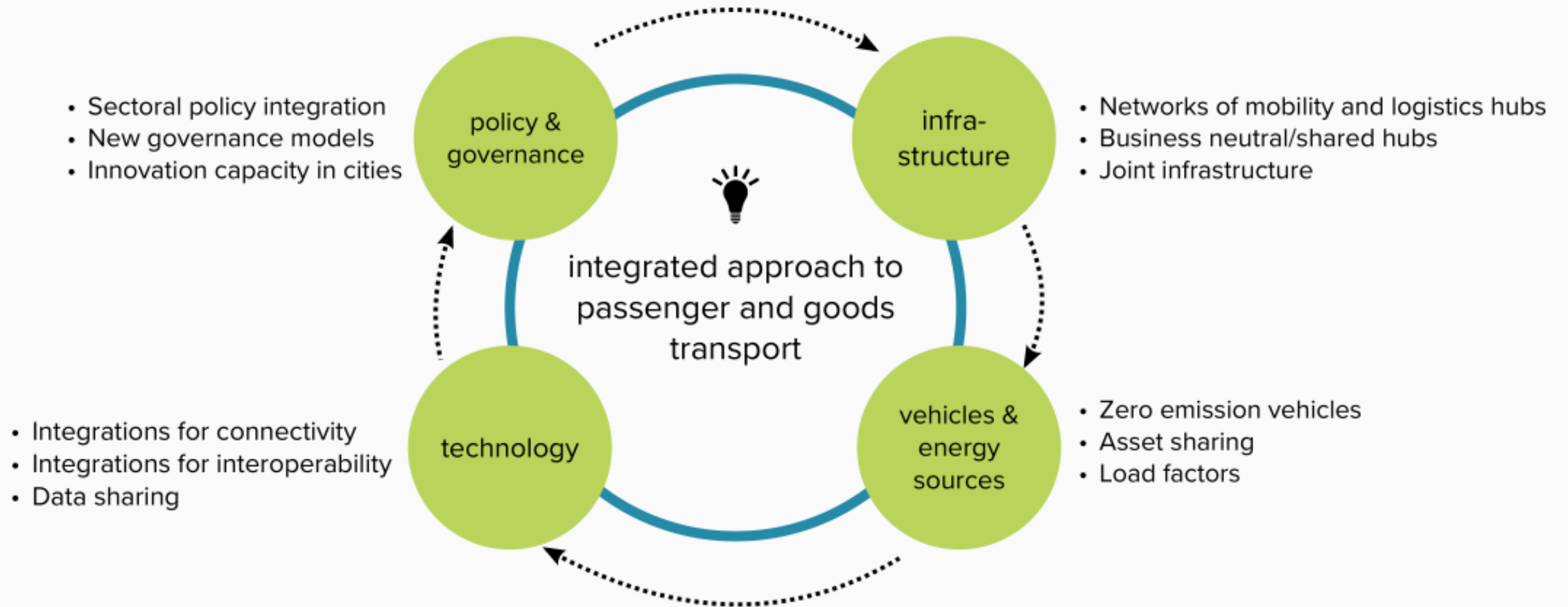
Holistic approach that delivers close to market ready solutions that have proven to work in different governance settings



Test, implement, replicate and upscale different types of mobility and logistics hubs and associated innovations



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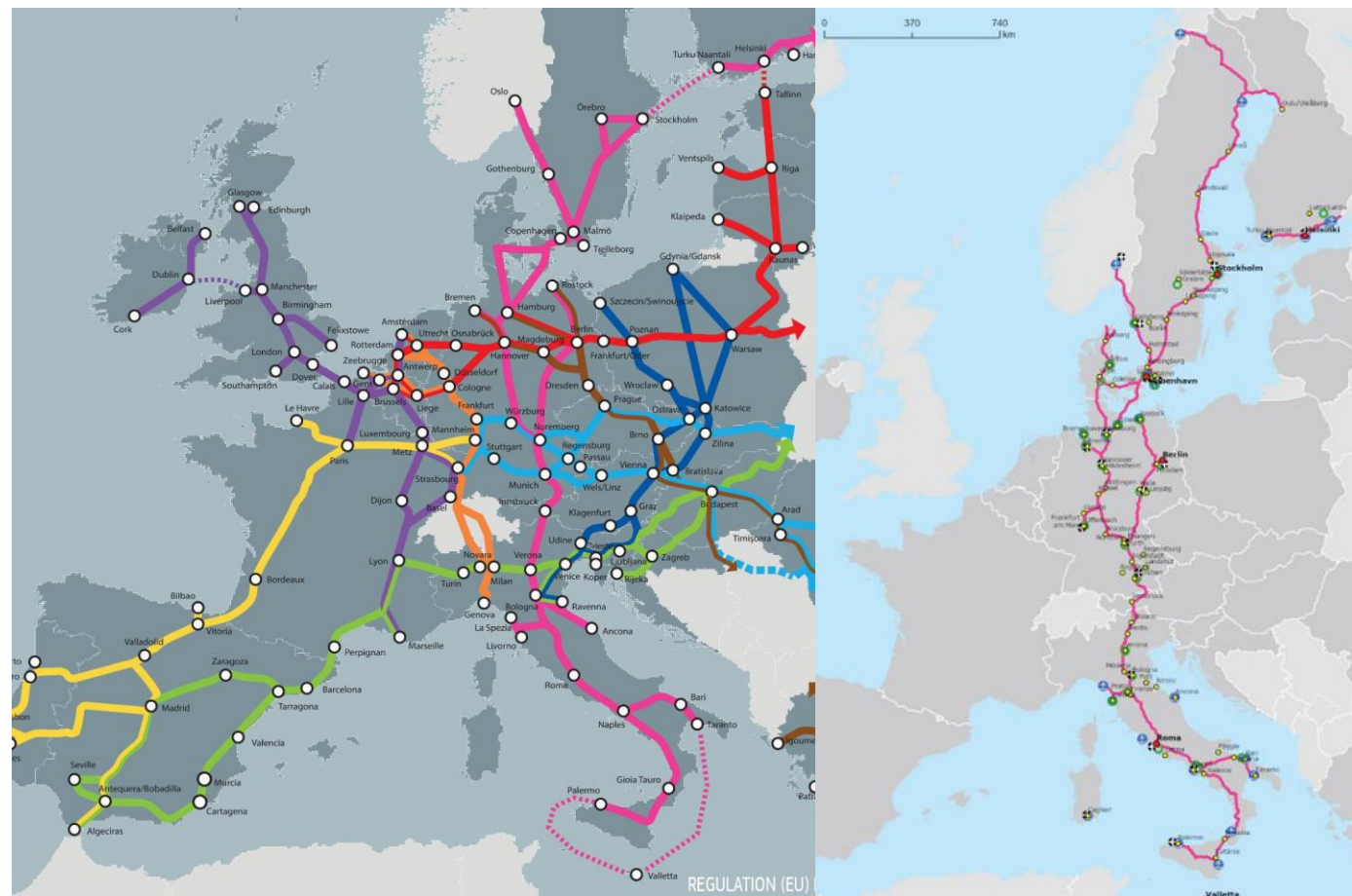


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# TEN-T corridor approach

- MOVE21 establishes a Scan-Med Cities Observatory for coordination, data and knowledge sharing
- Scan-Med Cities Observatory represents an *added value dimension* and enables
  - Increased TEN-T related cross-border collaboration
  - Integration at different levels (corridor, regional and urban scale)



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# Oslo Living Lab

One preliminary concept



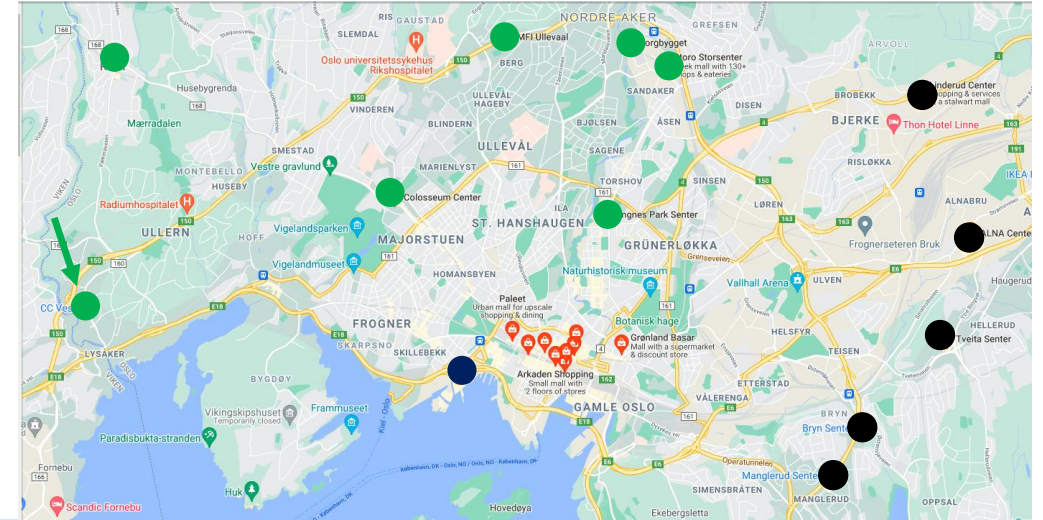
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# On-demand solution for passengers and freight

- Use vehicles in circulation *anyway* (such as PT)
- Oslo's public transport company Ruter has on-demand solutions for different segments (kids, senior citizens, etc)
- Test use of existing on-demand service for last-mile deliveries
  - Augment service
  - Move cargo with buses
  - Within our outside the serviced area
  - E-commerce
  - Home deliveries



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# Clear hot spots for on-demand service for senior citizens

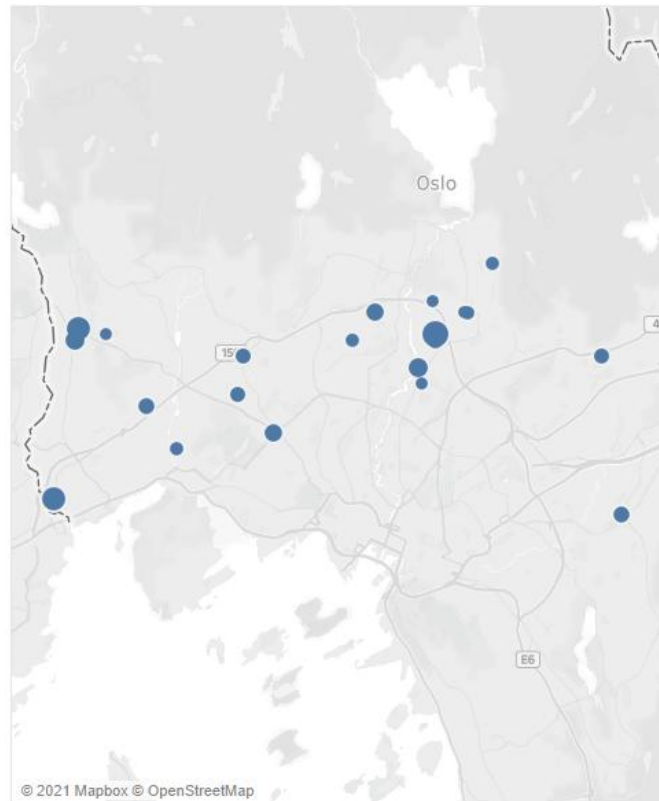
**Note: currently  
not all boroughs  
in Oslo included**

Weekday: All  
Hour: All  
Date Range: 01.12.2021 to 31.12.2021 and Null values  
Minimum Requests per Location: From 40

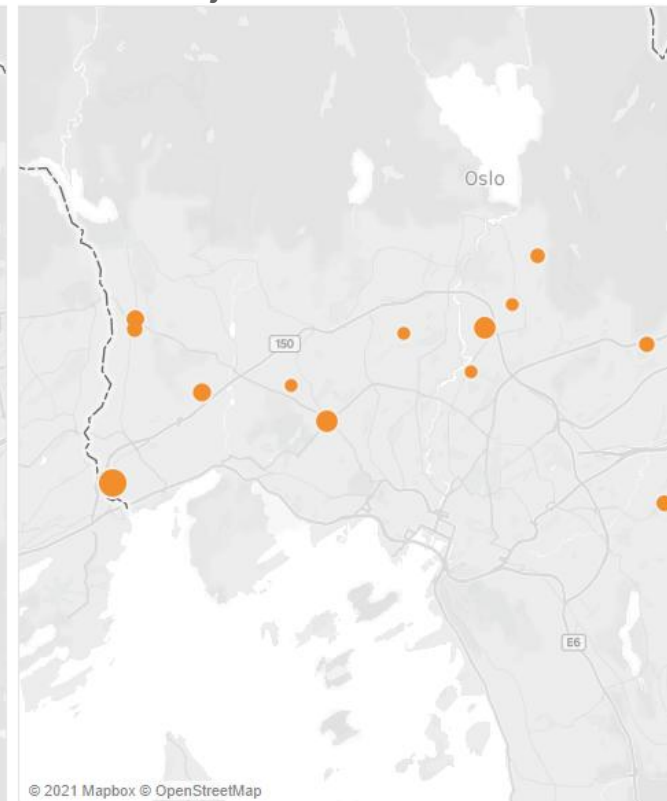


**Demand Map** (Requested pickups/dropoffs during 01.12.2021 - 31.12.2021)

Startsted



Destinasjon



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# Also started work on network of hubs

- Different configurations which include a variety of mobility services (micro mobility, shared mobility, ideally linked to existing transport infrastructure and PT) and a variety of logistics services such as parcel lockers or last mile services
- Multi-use of parking spaces
- Increase utilisation of existing EV charging points
- Mixed use of existing buildings owned by the City
- Mix people and goods
- Facilitate roll-out of ZEZ and potential enlargement of ZEZ
- Integrations to link solutions

Incentives for development of joint hubs  
Push-pull mechanisms for more horizontal and vertical collaboration  
Governance and regulatory challenges  
Interconnectivity – data exchange



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# The different roles of modern cities require a multi-faceted approach

## Cities as regulatory bodies

- Regulatory sandboxes
- EU/national/local political push-pull for tools
- Articulated demand

## Cities as societal developers and drivers of change

- Create new markets
- Push for new business models
- Not «coalitions of winning» but «coalitions of willing»

## Cities as service providers

- Articulated demand
- Forward-looking procurement practices

## Cities as arenas for democracy

- Incorporation of citizens' voices



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# Thanks!

Stay in touch:

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[www.move21.eu](http://www.move21.eu)