



# CITYLAB – City Logistics in Living Laboratories



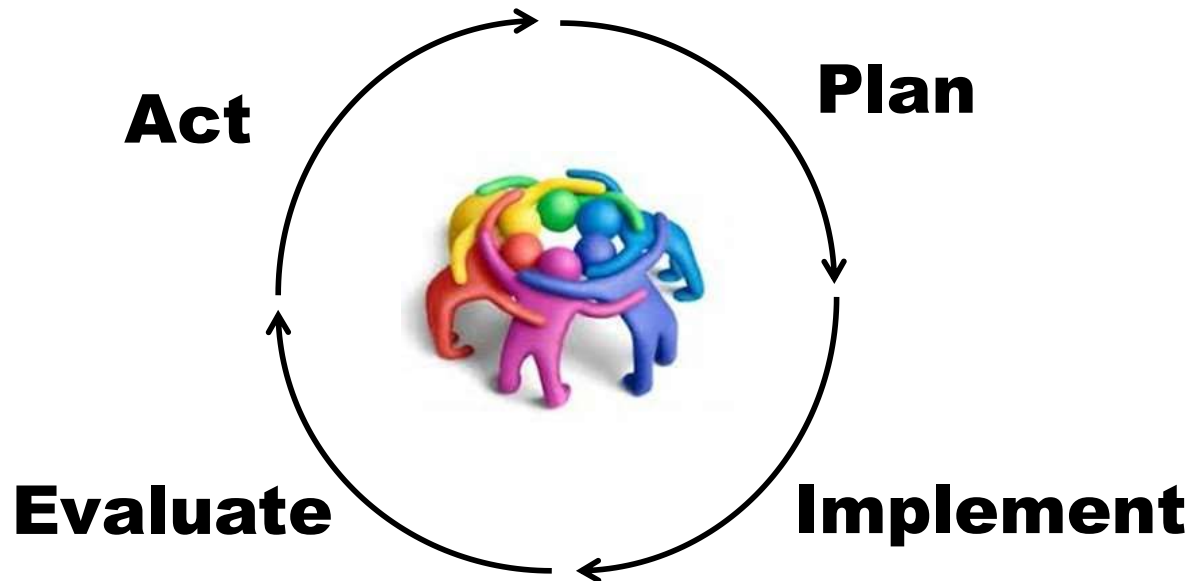
# Background

- Challenges: air quality, CO<sub>2</sub> emission free 2030, livability, accessibility, noise
- Many demonstrations, but limited lasting implementations
- A new approach required, from individual, to freight partnerships, to city logistics living labs
- Collaboration industry, local authorities and research
- Emphasis on testing and making changes possible



# Living lab definition

A **test environment** for cyclical **development and evaluation** of complex, innovative concepts and technology, as part of a **real-world, operational system**, in which **multiple stakeholders** with different background and interest work together towards a **common goal**, as part of a medium to long-term study.





# The CITYLAB project

- Methodology for city logistics living labs
- Seven cities as living labs
- Implementation and evaluation of measures
- Facilitation of transfer

Cost-effective &  
sustainable  
solutions

Upscaling  
Replication  
Transfer



2030



# Partners



Meware



TRANSPORT  
FOR LONDON



Vrije  
Universiteit  
Brussel



BRUSSELS MOBILITY  
BRUSSELS REGIONAL PUBLIC SERVICE



IFSTAR



DLR



GÖTEBORGS  
UNIVERSITET



POLIS

TNO



ROTTERDAM

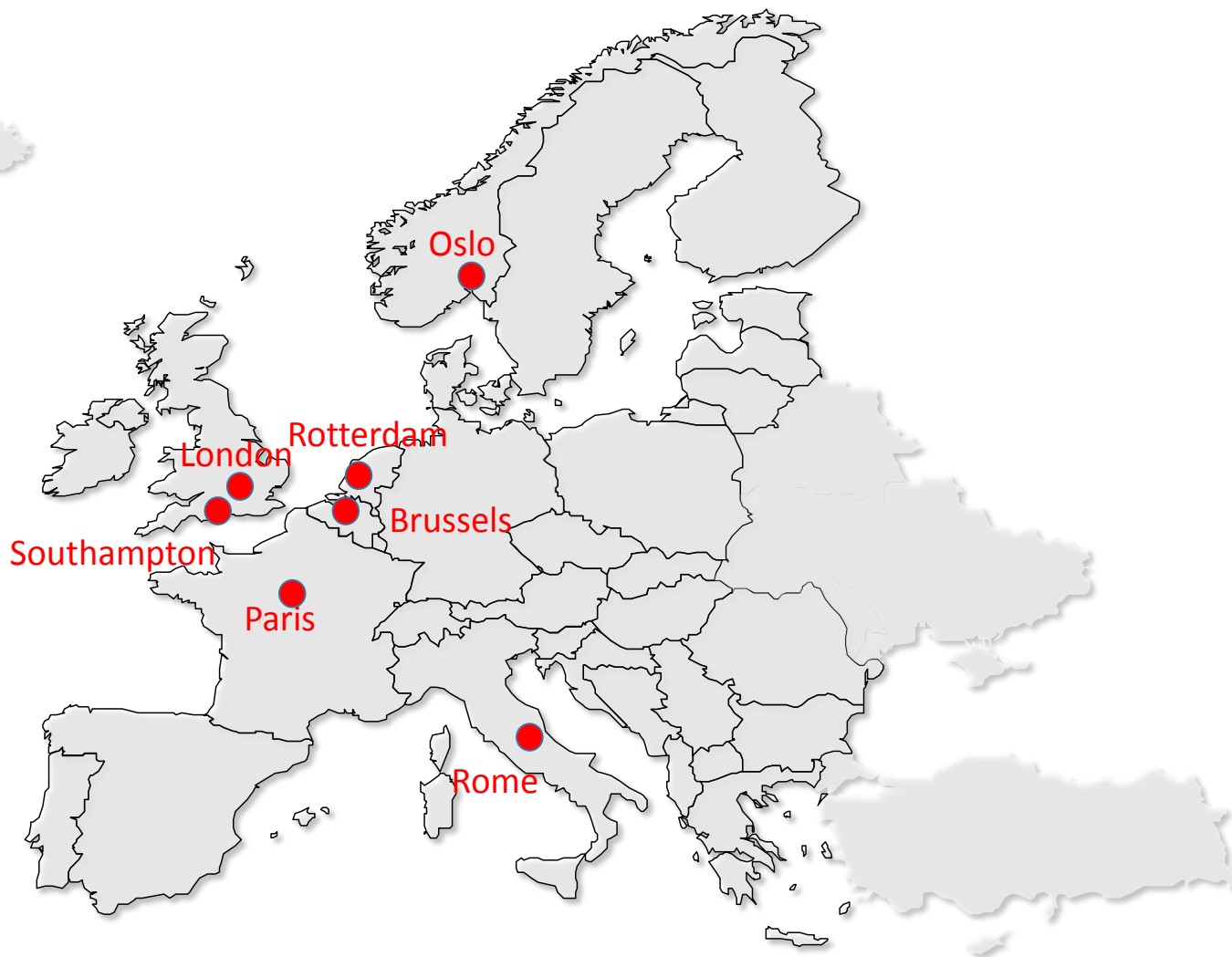


SOUTHAMPTON  
CITY COUNCIL





# The cities





**Highly fragmented  
last-mile deliveries**

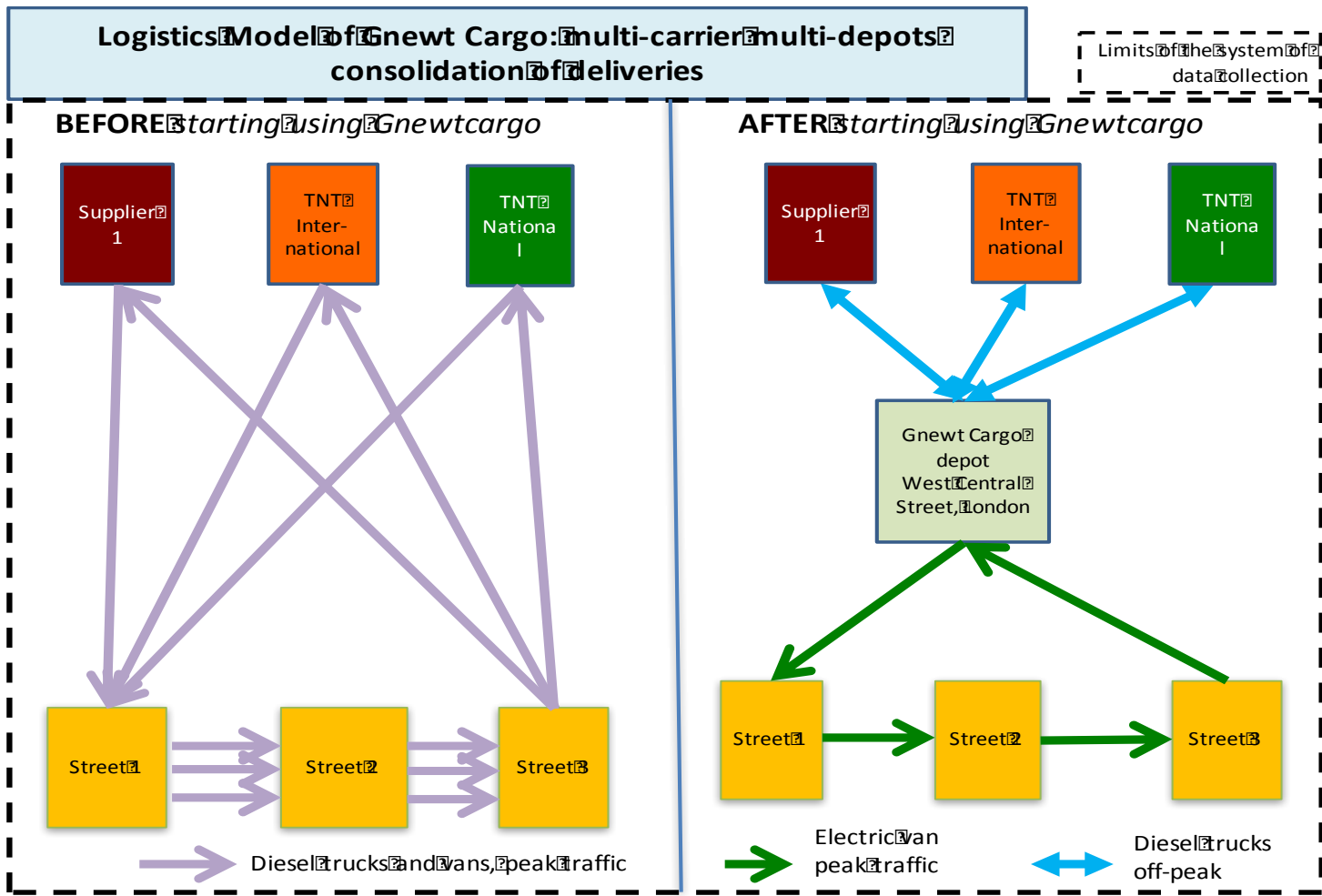
**Large freight  
attractors and  
public  
administrations**

**Urban waste,  
returns and  
recycling**

**Logistics sprawl**



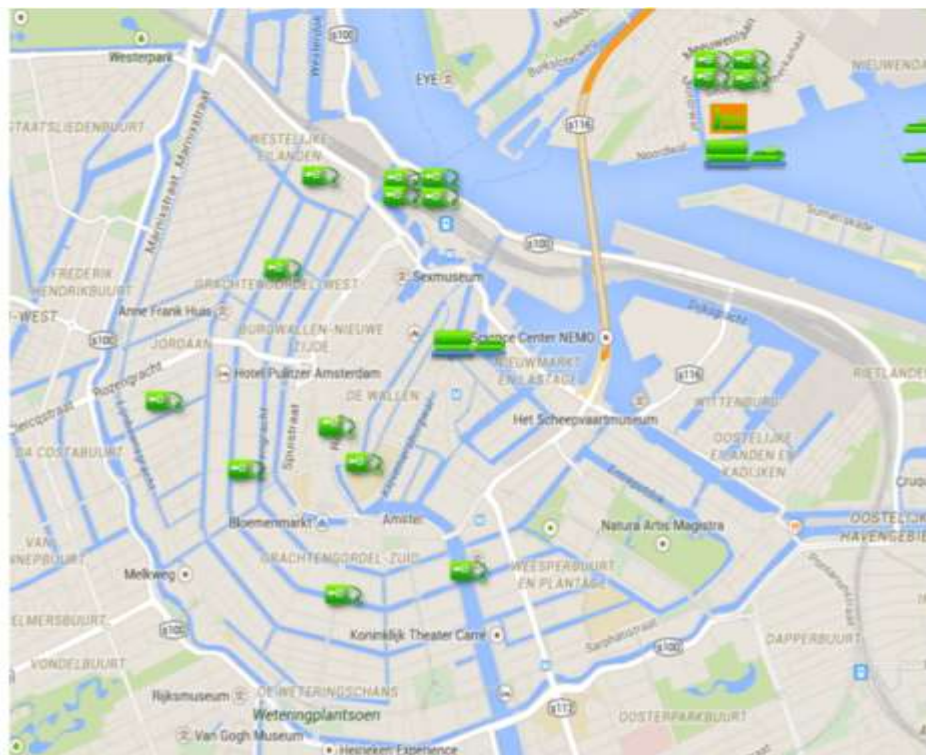
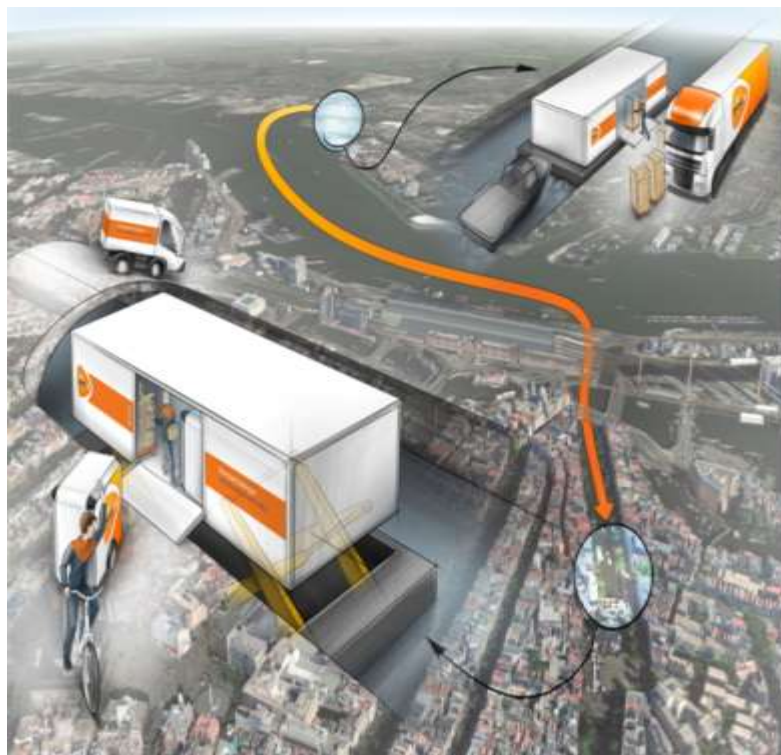
# New distribution hub concepts and clean vehicles - London





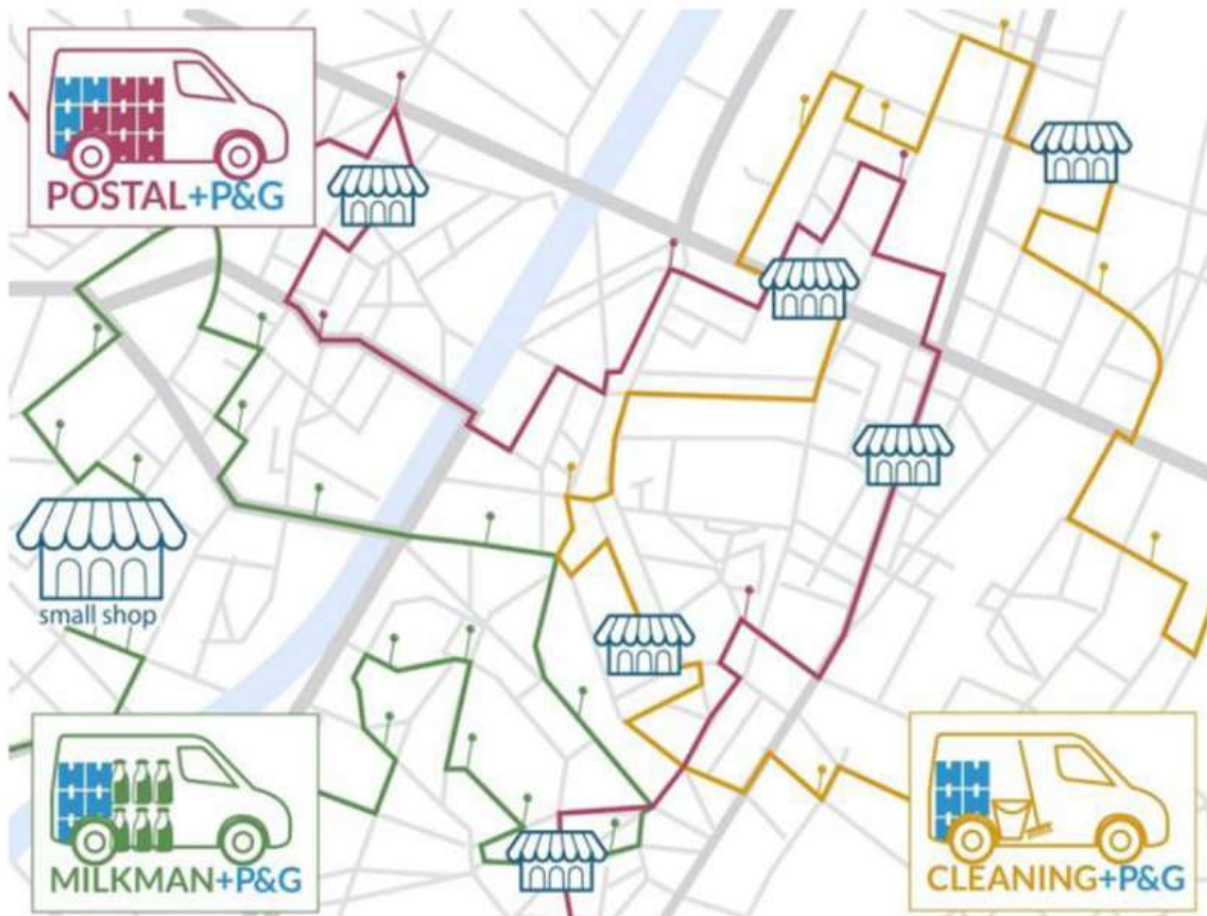


# Floating depot - Amsterdam



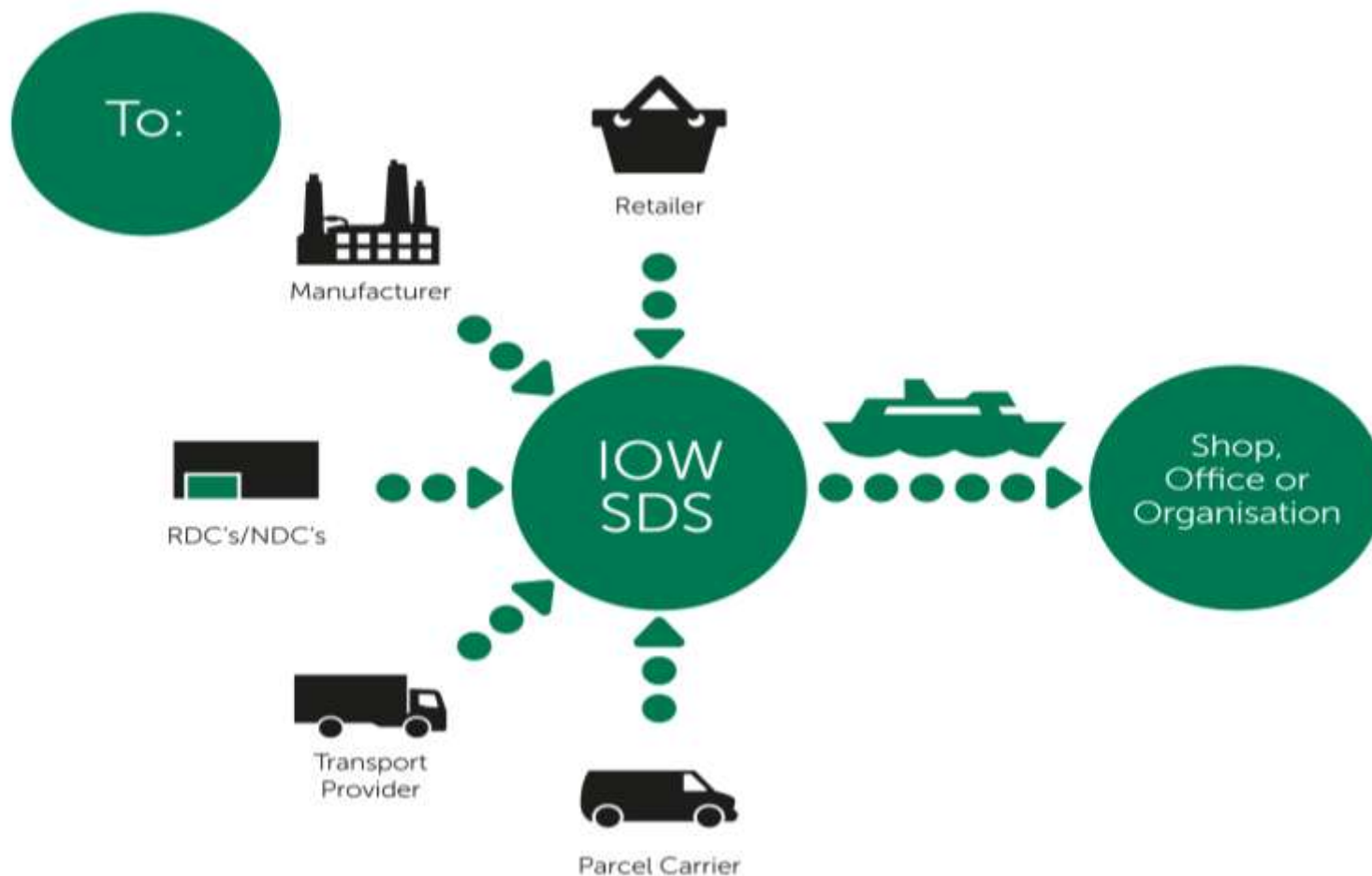


# Increasing load factors by utilising free van capacity - Brussels





# Joint procurement and consolidation - Southampton







# Common logistics functions for shopping centres - Oslo

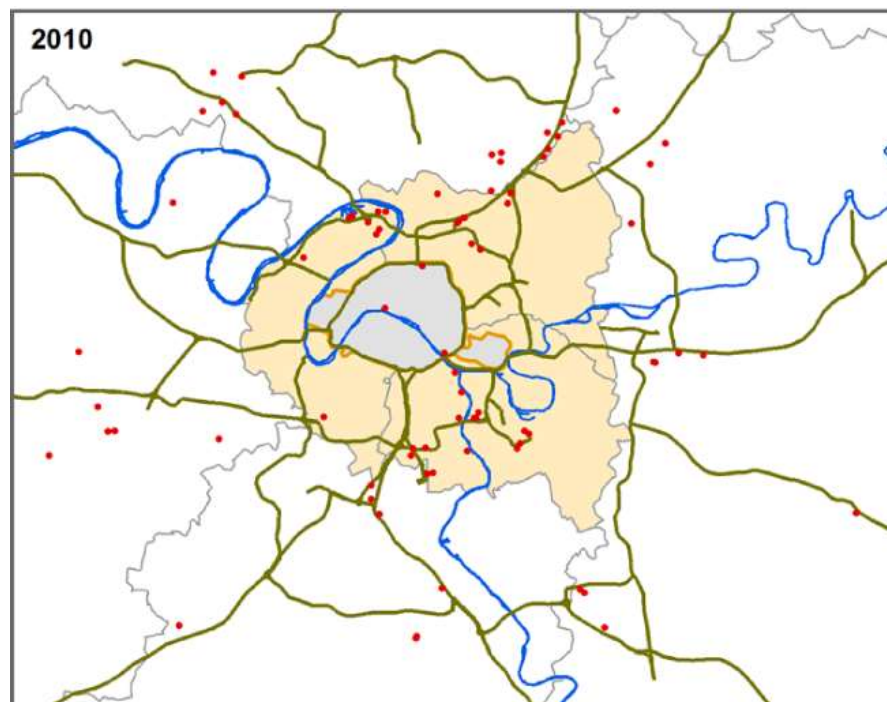
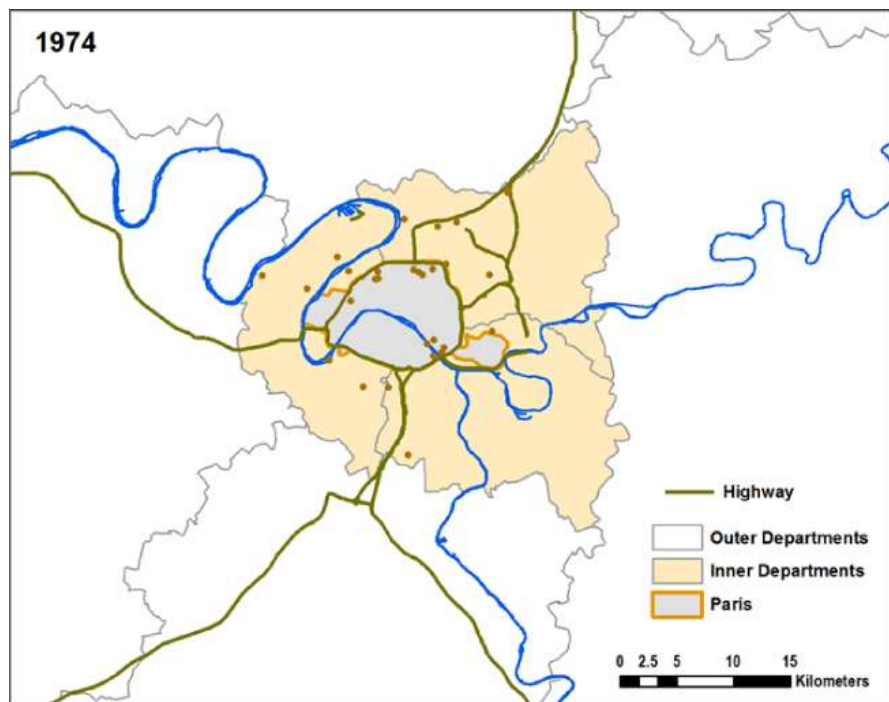


# Integration of direct and reverse logistics - Rome





# Logistics hotels - Paris



Source: Rodrigue, J.P (2014). Location of LTL and Parcel Distribution Centers, Paris 1974-2010.



## And now ...

For the implementation of your choice:

- Format for group discussions, please think about:
  1. what do you want to learn from these implementation (also what do you like to see as a result)
  2. what do you expect this implementation can mean / imply for your city
  3. what circumstances (what is needed) to transfer this implementation to your city

And of course: just ask for information on things you would like to learn from the implementation



# Thank you!

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[www.citylab-project.eu](http://www.citylab-project.eu)