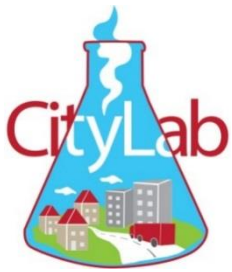




# CITYLAB - *City Logistics in Living Laboratories*

Jardar Andersen  
Institute of Transport Economics, Norway

*City deliveries using micro-hubs and innovative freight bikes*  
*Amsterdam, 8 March 2018*



# CITYLAB basics

*Emission free city logistics in urban centres by 2030*

- improve **basic knowledge and understanding** about the impacts of freight distribution and service trips in urban areas;
- develop, test and implement **innovative solutions**
  - **reduce negative impacts** of freight vehicles
  - **enhance business profitability**
- provide a platform for **replicating and rolling out** the solutions

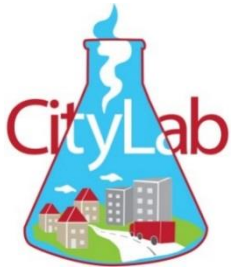




# How we do it: Living labs

- 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
- Shared goals





# Pilot projects

## Sustainable Urban Logistics Plans (SULP)

## Freight Quality Partnerships (FQP)

**SULP**  
an overall plan for sustainable urban logistics in an urban or metropolitan area

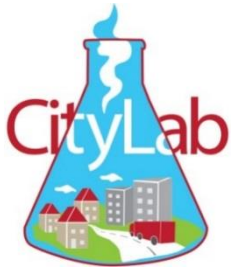
Specific measures			
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**City Logistics Living Labs**

**FQP**

- Stakeholder dialogue
- Information and exchange
- Inform about specific problems and challenges

**PILOT PROJECTS**  
Test specific measures aimed at improving efficiency and sustainability



# CITYLAB partners

toi  STEEN & STROM  
WE ENRICH MODERN SHOPPING

    
**Posteitaliane**

  **TRANSPORT FOR LONDON**  
  **UNIVERSITY OF GOTHENBURG**

 Vrije Universiteit Brussel  **BRUSSELS MOBILITY**  
BRUSSELS REGIONAL PUBLIC SERVI 

 **IFSTTAR**  **DLR**  
**MAIRIE DE PARIS** 

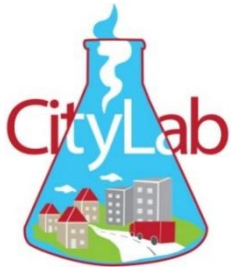


**TNO**   
**ROTTERDAM**



**UNIVERSITY OF Southampton**  **SOUTHAMPTON CITY COUNCIL**  **MEACHERS GLOBAL LOGISTICS**





# Implementations

Axes for intervention	Implementation	City	Partner
Highly fragmented last-mile deliveries in city centres	Growth of consolidation and electric vehicle use	London	TNT and Gnewt Cargo
	City centre micro-hubs and clean vehicles	Amsterdam	PostNL
	Increasing load factors by utilising spare van capacity	Brussels	Procter & Gamble
Inefficient deliveries to large freight attractors and public administrations	Joint procurement and consolidation	Southampton	Meachers Global Logistics
	Common logistics functions for shopping centres	Oslo	Steen & Strøm
Urban waste, return trips and recycling	Integration of direct and reverse logistics	Rome	Poste Italiane, Meware
Logistics sprawl	Logistics hotels	Paris	SOGARIS





# CITYLAB outcomes

Increased load consolidation

Improved space and time use

Increased uptake of clean vehicles

Improved delivery efficiency and reliability

Reduced total distance driven

Reduced emissions and costs

Collaboration practices

Supporting policies

Scaling and replication

CO<sub>2</sub>-free city logistics



# Thank you!

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