



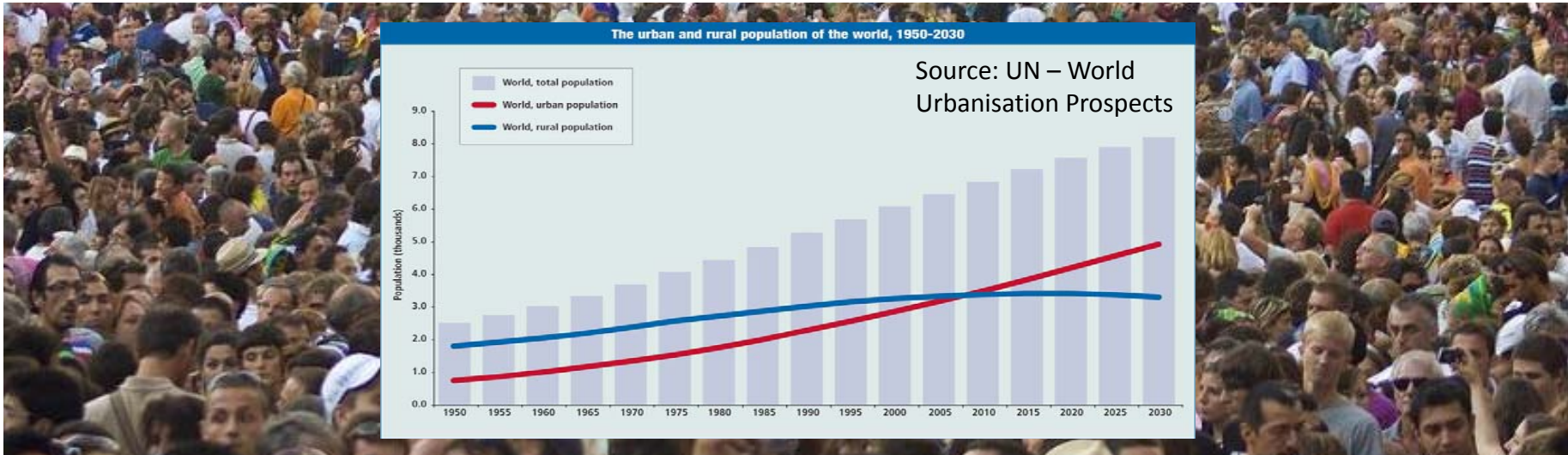
# CITYLAB – City Logistics in Living Laboratories

Jardar Andersen and Olav Eidhammer  
Institute of Transport Economics,  
Norway





# Challenges





# Past projects





## CITYLAB facts

- Horizon 2020, Mobility for Growth 2014-2015
- Topic MG-5.2-2014 *Reducing impacts and costs of freight and service trips in urban areas*
- Budget 3,98 Mill Euro
- 1 May 2015 – 30 Apr 2018
- 24 partners, 7 countries





## What we will do

- improve **basic knowledge and understanding** about the impacts of freight distribution and service trips in urban areas;
- test and implement **7 innovative solutions** that are promising in terms of **reducing negative impacts** of freight vehicles whilst **enhancing business profitability**
- provide a platform for **replicating and rolling out** the solutions

*emission free city logistics in urban centres by 2030*





## How we do it: Living labs

- City-based collaborations between researchers, authorities and business partners
- A test environment for **cyclical development and evaluation** of complex, innovative concepts and technology
- Multiple stakeholders with different background and interest work together towards a **common goal**





# The living labs

**LONDON:** New distribution hub concepts and clean vehicles

**ROME:** Integration of direct and reverse logistics

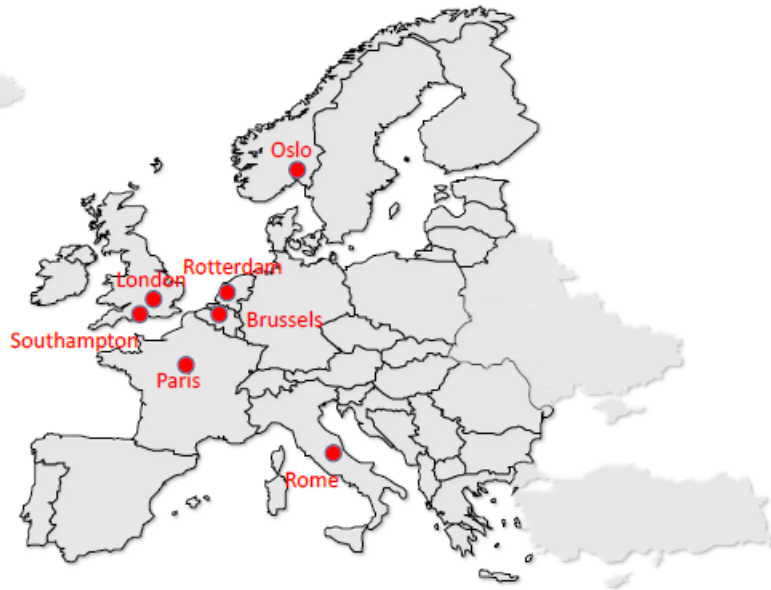
**BRUSSELS:** Increasing load factors by utilizing free van capacity

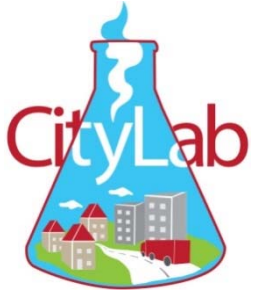
**ROTTERDAM:** Floating depot

**PARIS:** Logistics hotel

**OSLO:** Common logistics functions for shopping centers

**SOUTHAMPTON:** Joint procurement and consolidation for large public institutions





# CITYLAB partners



Meware





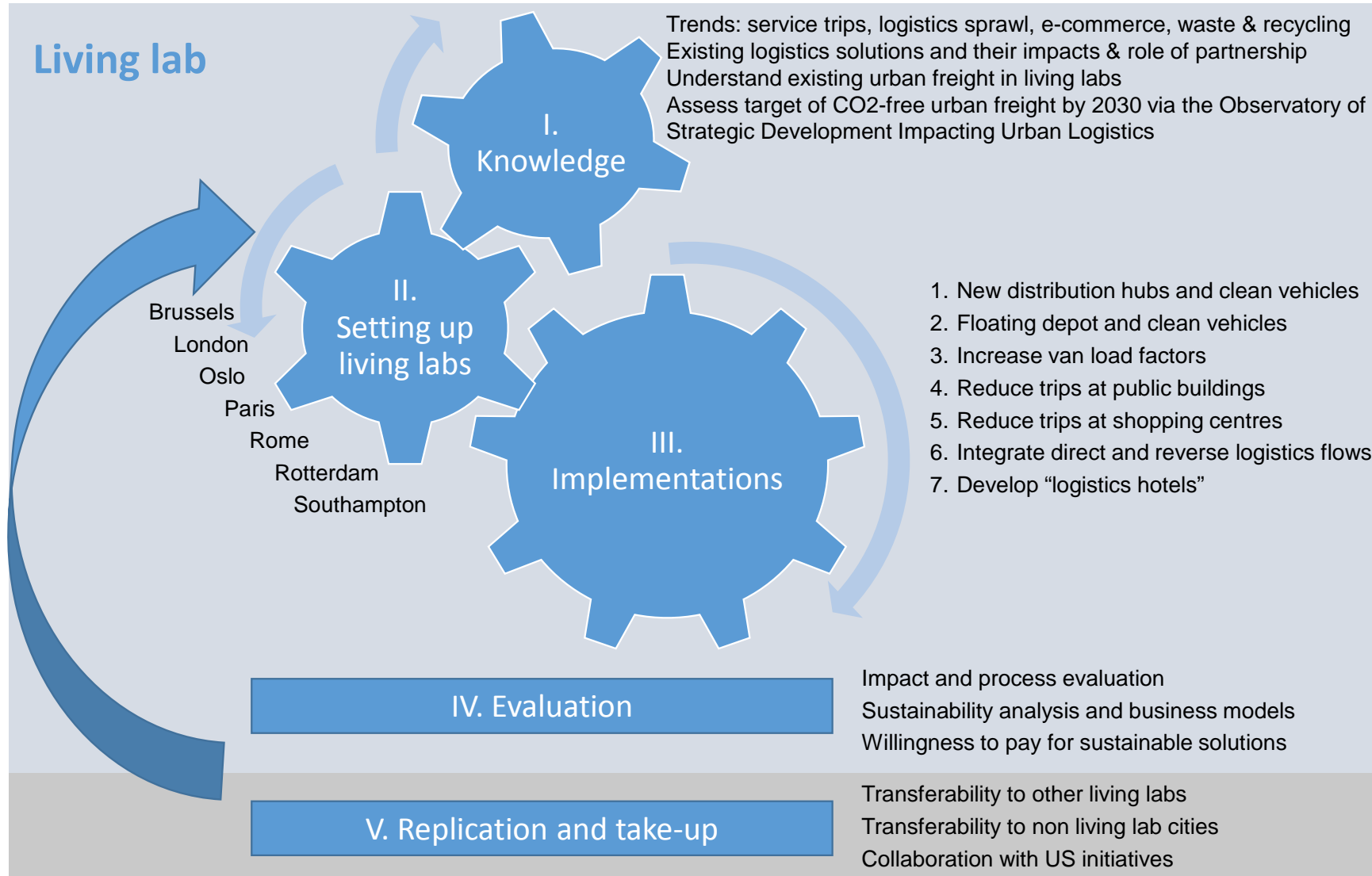


# Four axes for intervention

Implementations	Cities	Partners
<b>I) Highly fragmented last-mile deliveries in city centres</b>		
1. New distribution hubs and clean vehicles	London	UoW, TNT, Gnewt Cargo
2. Floating depot and clean vehicles	Rotterdam	TNO, PostNL
3. Increased load factors using free van capacity	Brussels	VUB, Procter & Gamble
<b>II) Inefficient deliveries to large freight attractors and public administration</b>		
4. Joint procurement and consolidation for large public institutions	Southampton	SOTON, Meachers Global Logistics
5. Common logistics functions for shopping centres	Oslo	TOI, Steen & Strøm
<b>III) Urban waste, returns and recycling</b>		
6. Integration of direct and reverse logistics	Rome	UNIROMA3, MEWARE, POSTEITALIANE
<b>IV) Logistics sprawl</b>		
7. “Logistics hotels”	Paris	IFSTTAR, DLR



# Overall approach





## Expected impacts

- A clear **understanding** of cost effective strategies, measures and tools to achieve essentially zero emission city logistics in urban centres by 2030
- **Increased load factors** and **reduced vehicle movements** resulting in cost and emission benefits
- **Practical guidance** resulting in better **integration** of city logistics within urban transport and land use **policies**
- Clear commitment from participants, and leadership for an ambitious Europe-wide take up and **rollout of results during and following** the project





# Thank you!

Olav Eidhammer

Tel: +47 971 41 461

E-mail: [oe@toi.no](mailto:oe@toi.no)

Jardar Andersen

Tel: +47 997 00 804

E-mail: [jan@toi.no](mailto:jan@toi.no)

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 635898.

