CITYLAB –
City Logistics in Living Laboratories

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Olav Eidhammer,

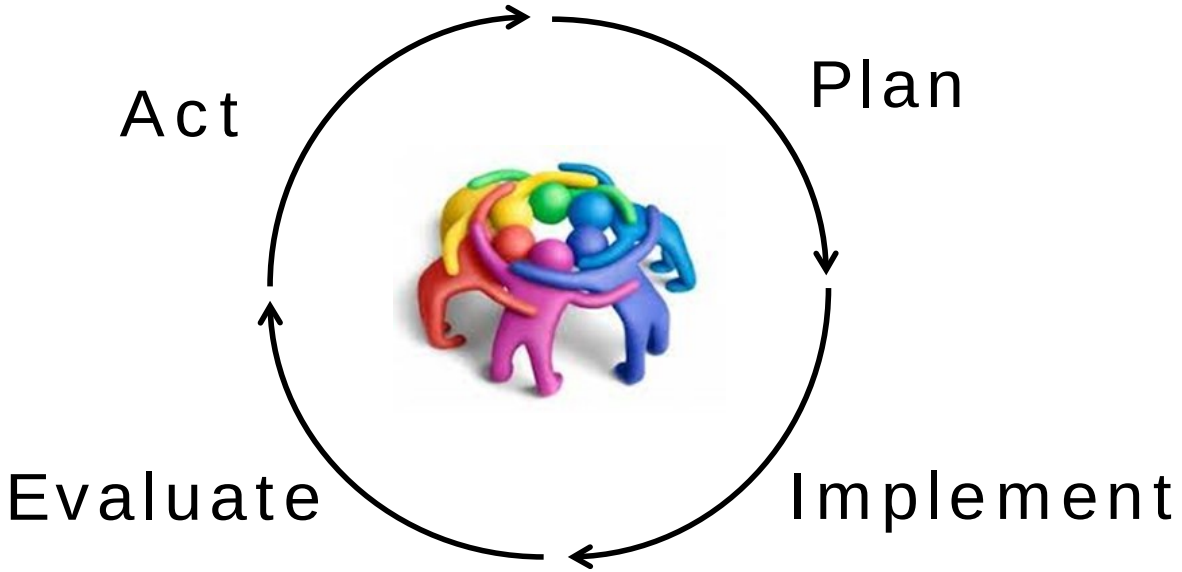
Institute of Transport Economics, Norway

A transition in City Logistics is needed

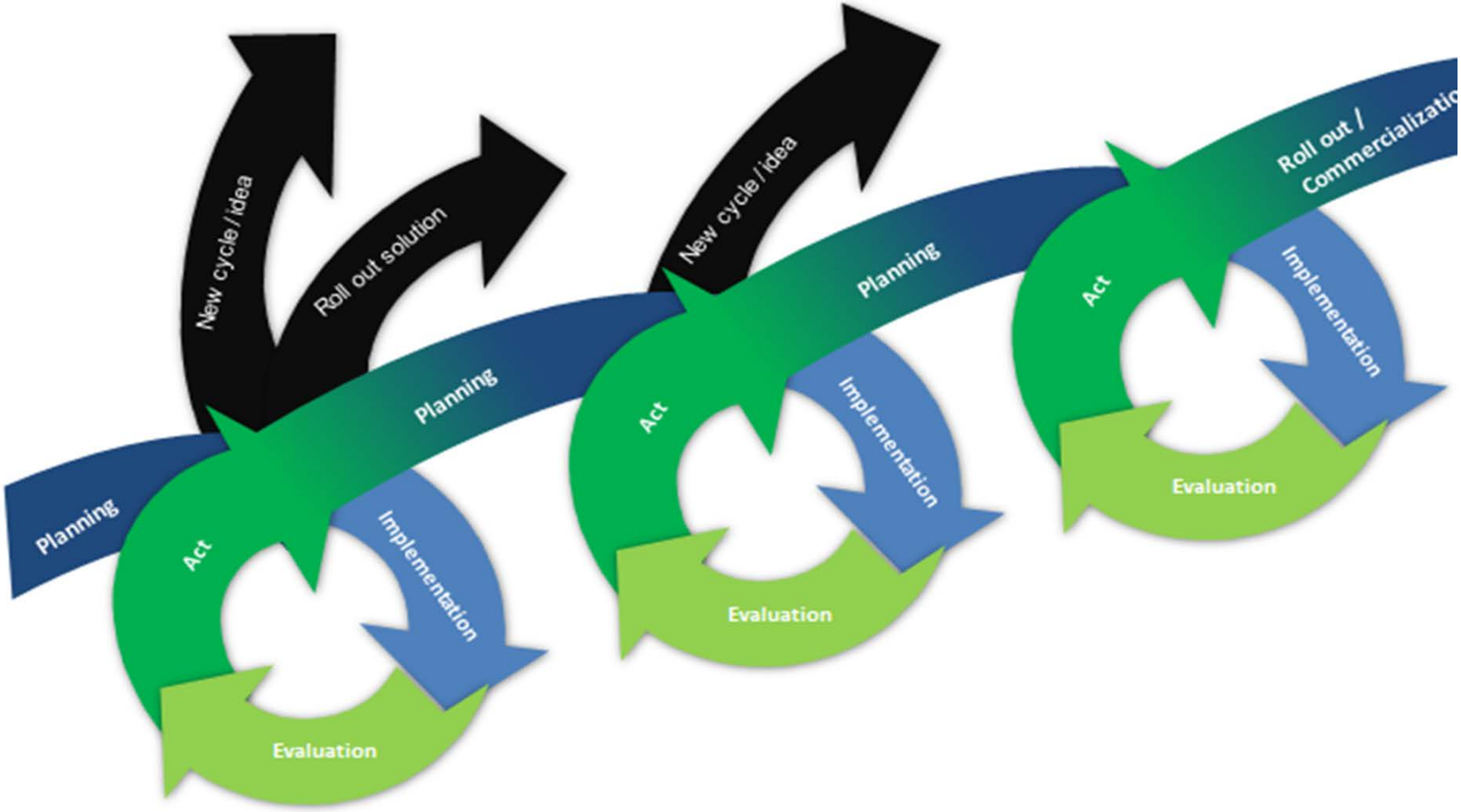
- Challenges: air quality, CO_2 emission-free 2030, livability, accessibility, noise
- Many demonstrations, but limited lasting implementations
- A new approach required, from individual, to freight partnerships, to city logistics living labs
- Collaboration industry, local authorities and research
- Emphasis on testing and making changes possible

Living lab

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 medium to long-term study**.



Living lab: iterative process



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

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

Highly fragmented last-mile deliveries

Large freight attractors and public administrations

Urban waste, returns and recycling

Logistics sprawl

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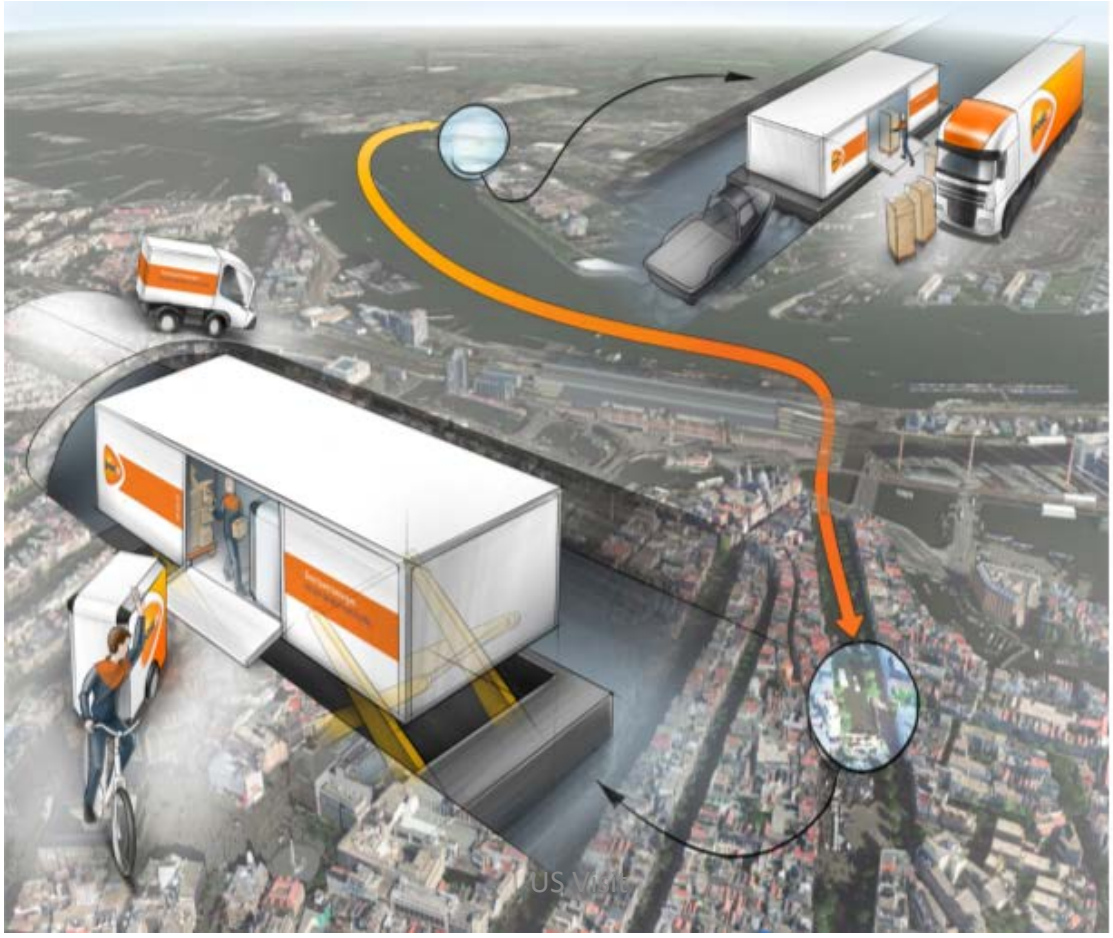
Floating depot – Amsterdam



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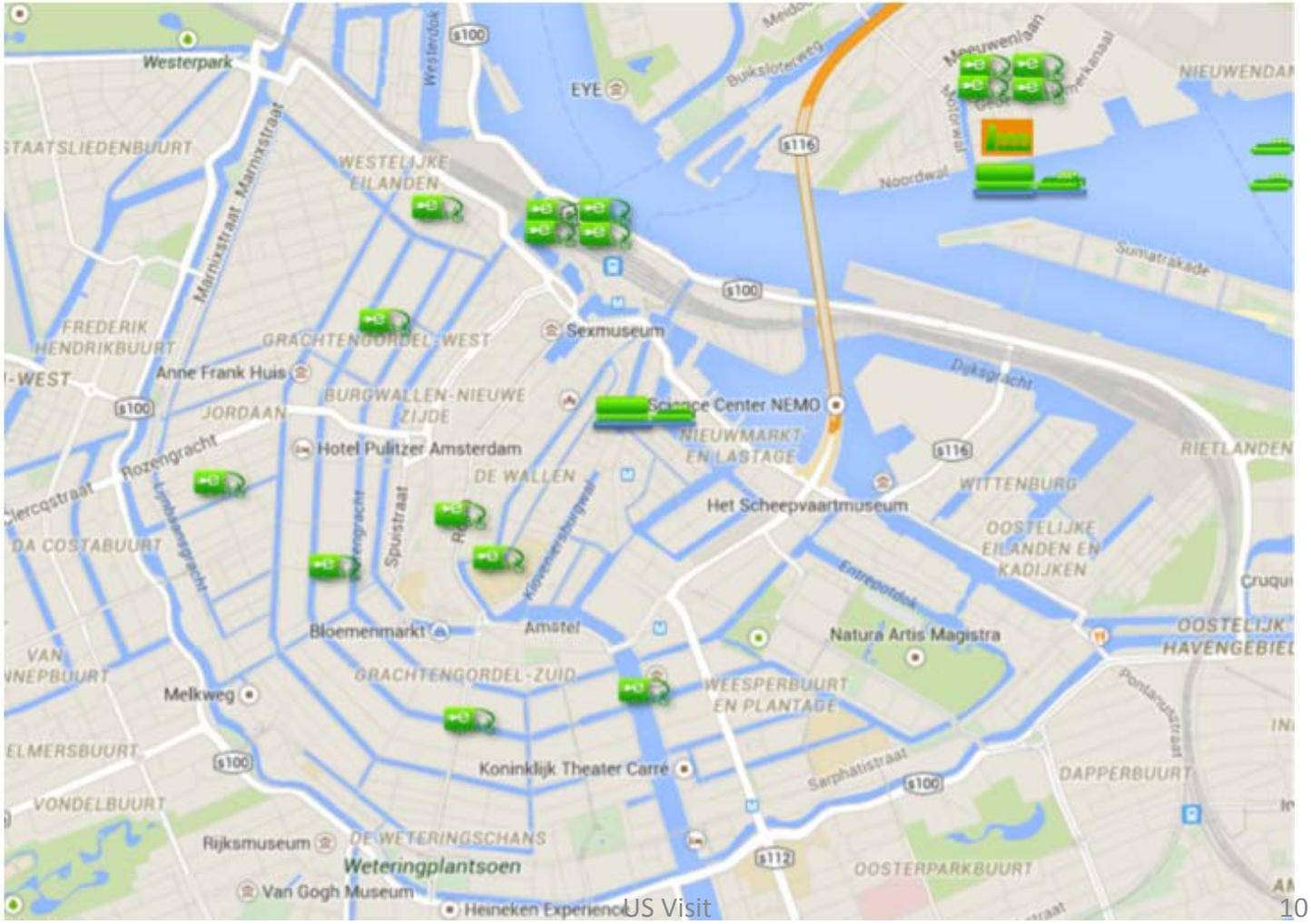

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Procurement and consolidation -Southampton

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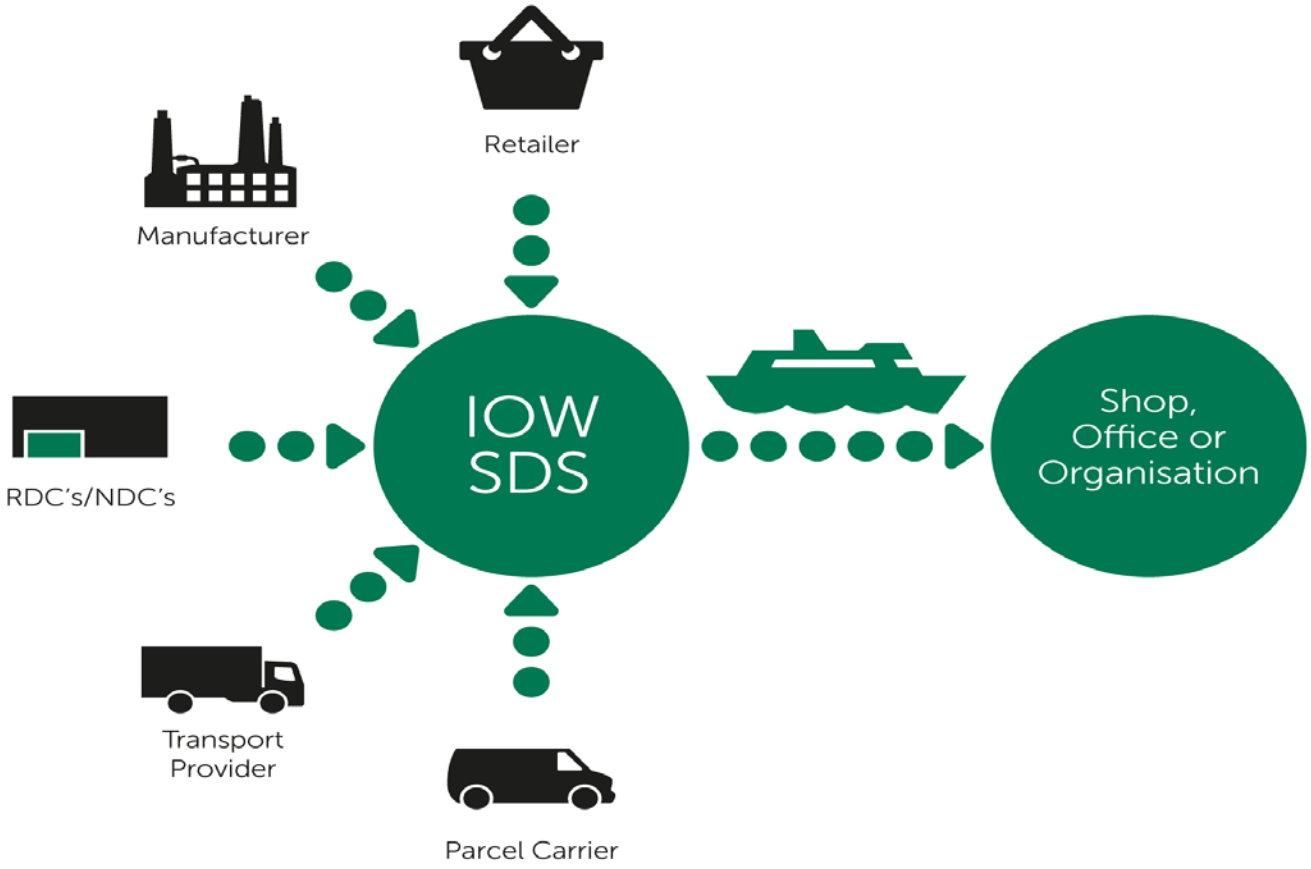

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Logistics functions for shopping centres – Oslo

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Direct and reverse logistics – Rome

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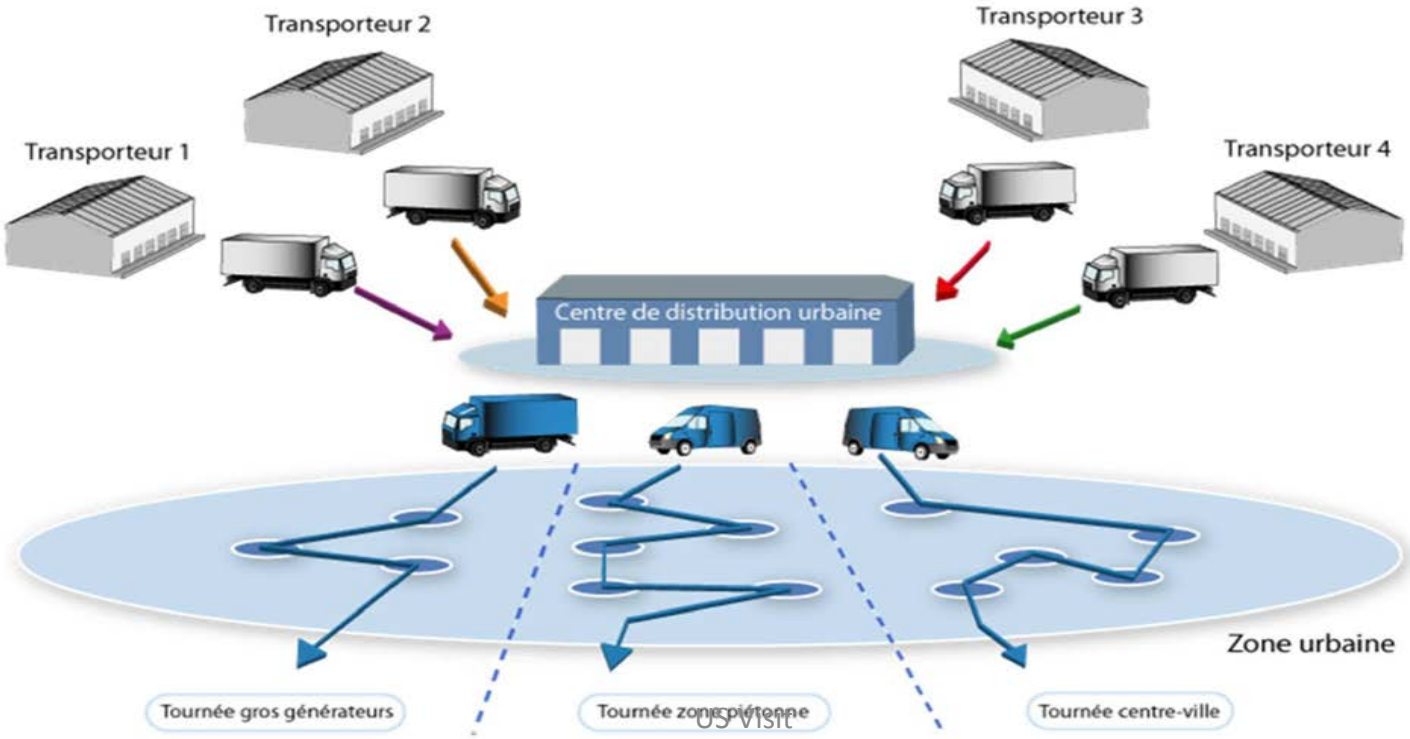
- Consolidate inflows and outflows of goods in Paris
- Optimize distribution with urban logistics space to operate last mile with cleaner and better fitted vehs



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Logistics sprawl

- General policy for urban logistics in Paris
- Work on Chapelle International Logistics hotel

Experiences so far

- Different starting points in the cities involved
- Need for common goals and *shared situational awareness*
- Added value from dialogue between cities
- Sometimes difficult, as different groups have to change their behavior - outside comfort zone
- Also need to coordinate within city adminstrations
- Distinguish between city level and implementation level

Thank you!

Olav Eidhammer

Tel: +47 971 41 461

E-mail: oe@toi.no

Jardar Andersen

Tel: +47 997 00 804

E-mail: jan@toi.no

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www.citylab-project.eu