



2017 ANNUAL POLIS CONFERENCE

6-7 December 2017, Brussels
Innovation in Transport for Sustainable Cities and Regions



Co-created Solutions and Innovative Planning for Sustainable and Space-Efficient Freight Transport in Dense Urban Areas

- A Case Study from Gothenburg



City of
Gothenburg

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Urban Transport Administration
City of Gothenburg

CLOSER 

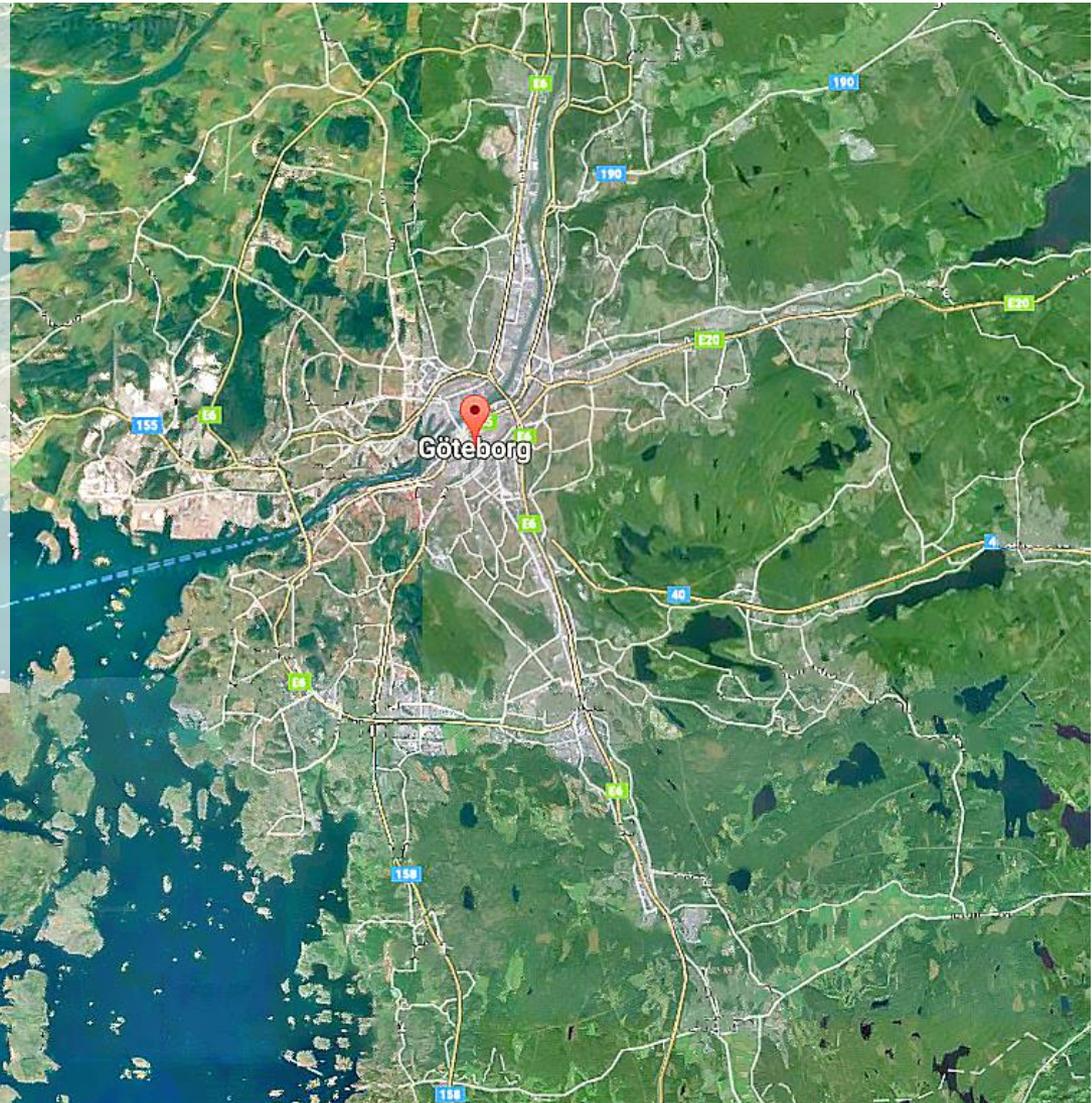
Lina Olsson

Closer
Lindholmen Science Park

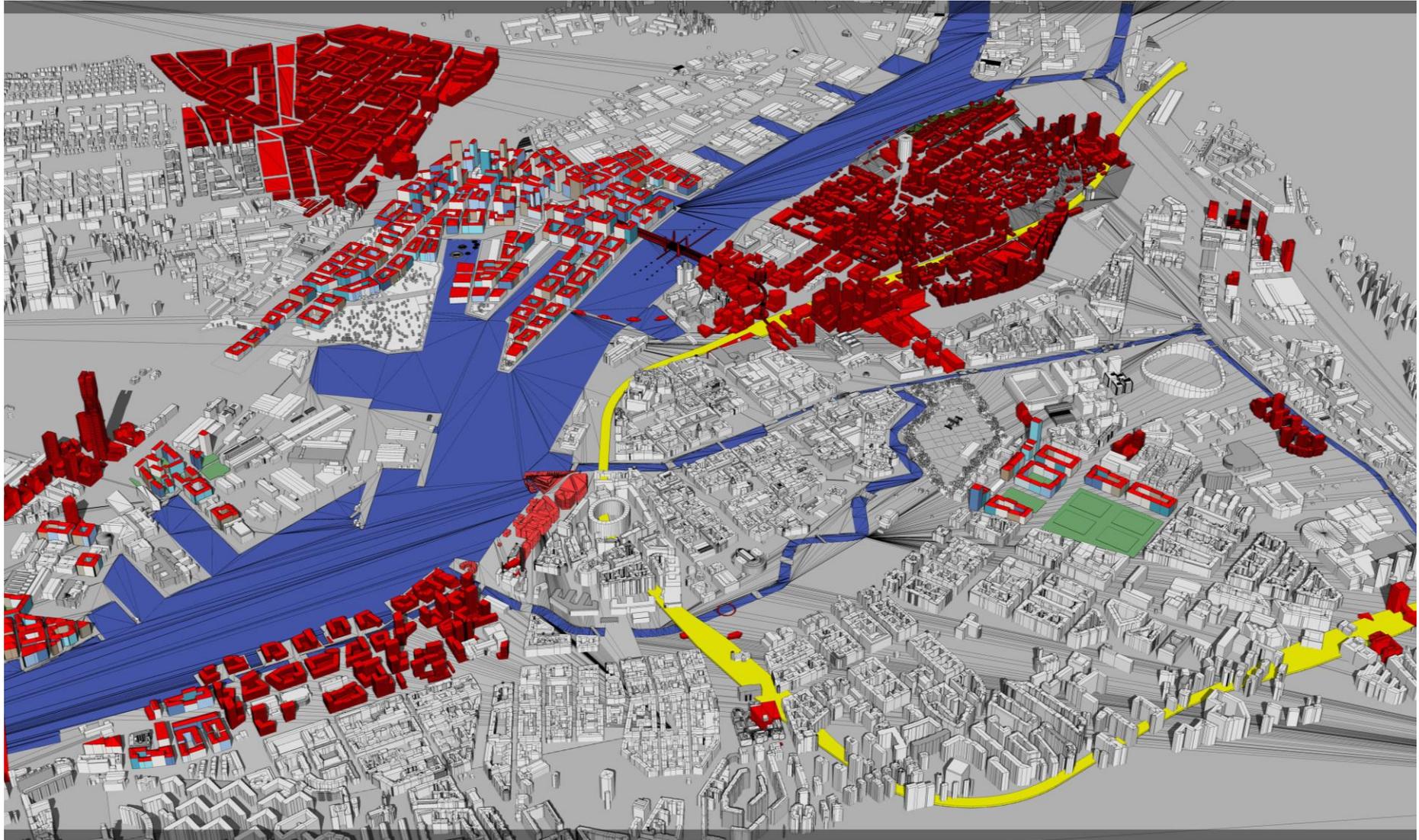
Urban Transport Administration

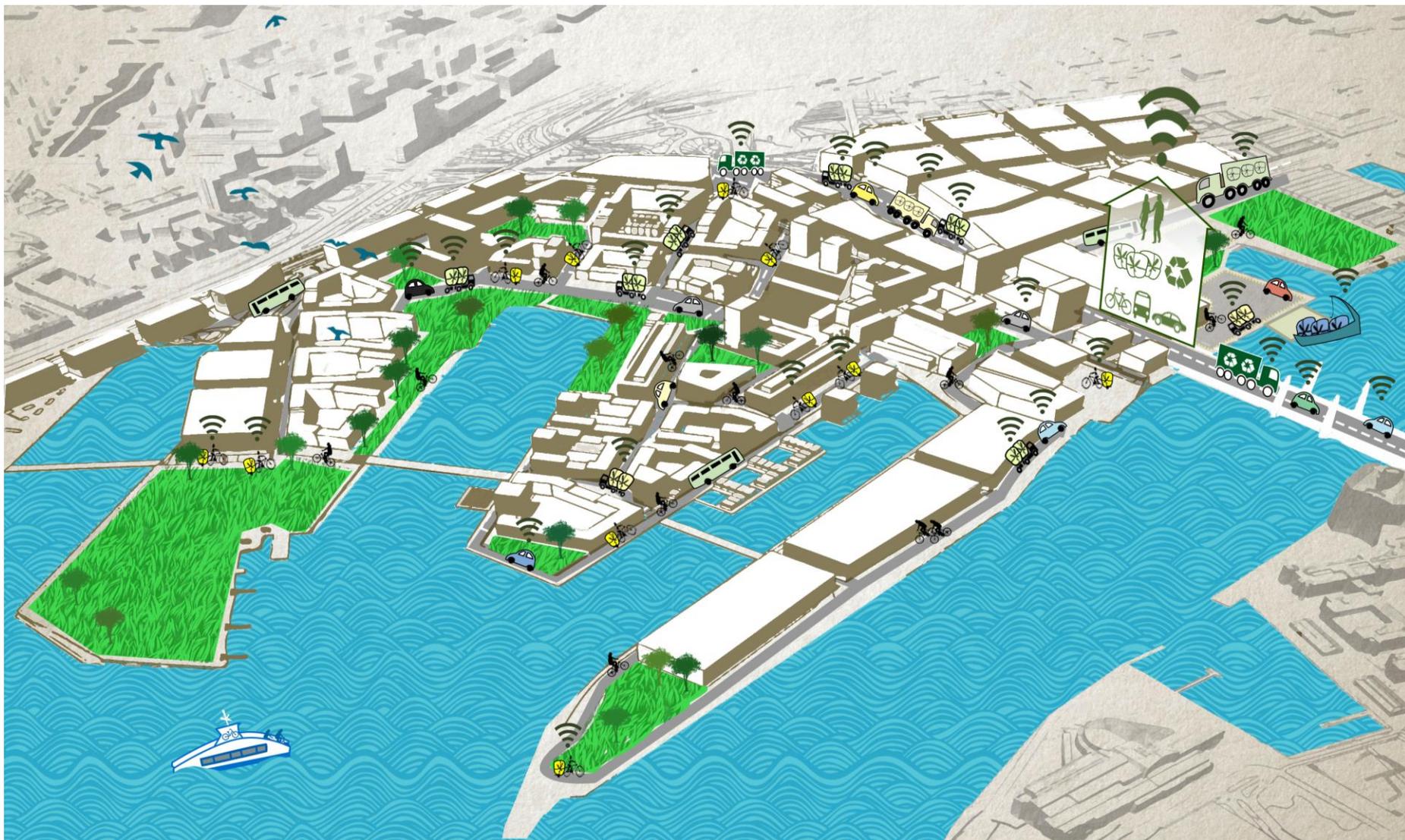
ca 1400 km	Municipal streets and roads
ca 980 km	Walkways
ca 530 km	Cycle paths (Segregated)
80 km	Tram tracks
15 km	Quays
11 km	Industrial Railway
9,4 km	Noise barriers
259	Pedestrian tunnels and bridges
146	Road bridges
38	Tram Bridges
8	Tram Tunnels
249	Sets of Traffic Lights
98 100	Street lighting
77 460	Road signs, signs and street names
11 200	Parking spaces on the street
ca 8 000	Bicycle stands (City centre)

Figures from 2014 and 2015



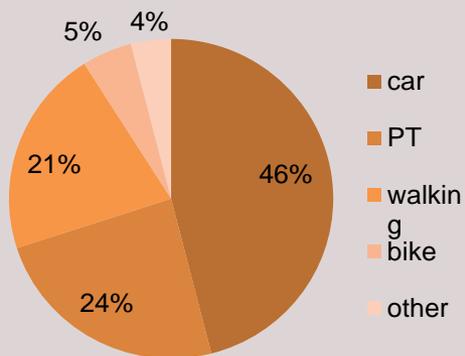
RIVER CITY – 25 000 Residents, 50 000 jobs



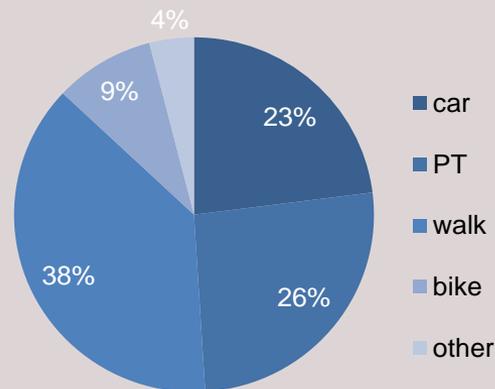


Expected Modal Share

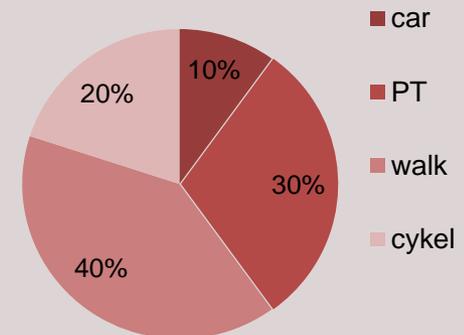
Municipality (2011)



City, Linné, Majorna (2011)



Frihamnen





DenCity - Space Efficient Transport for Sustainable and Attractive Cities

DenCity develops innovative solutions for sustainable passenger and freight mobility in dense neighborhoods, with high standards of attractiveness, accessibility and sustainability.

DenCity stands for radically new thinking and innovative processes for sustainable densification.

DenCity started in 2015 and will be completed in 2018. This collaboration project consists of 21 partners and is led by **CLOSER at Lindholmen Science Park**.

VINNOVA

Partly financed by VINNOVA in challenge-driven innovation "Sustainable attractive cities"

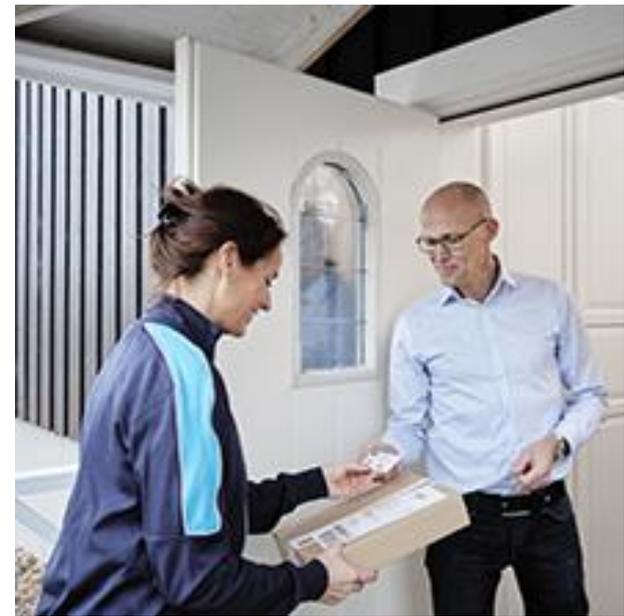
For more information visit en.dencity.se



Zero Emission Deliveries



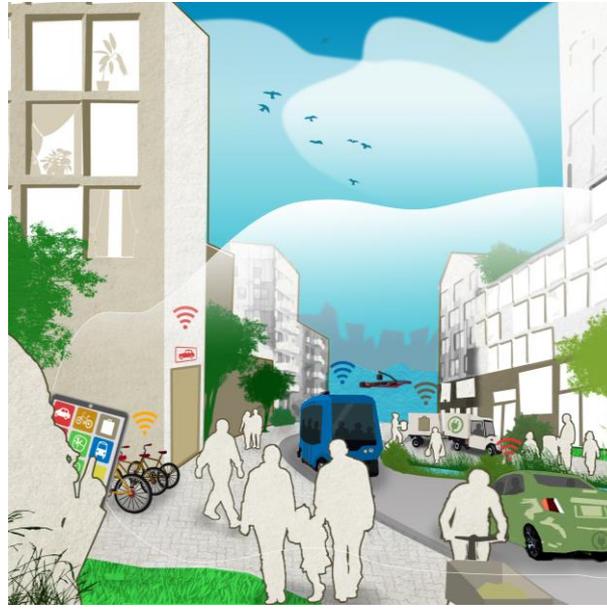
Urban Waterways



Urban Services & Deliveries



Enabling Infrastructure for Dense Cities



Mobility as A Service



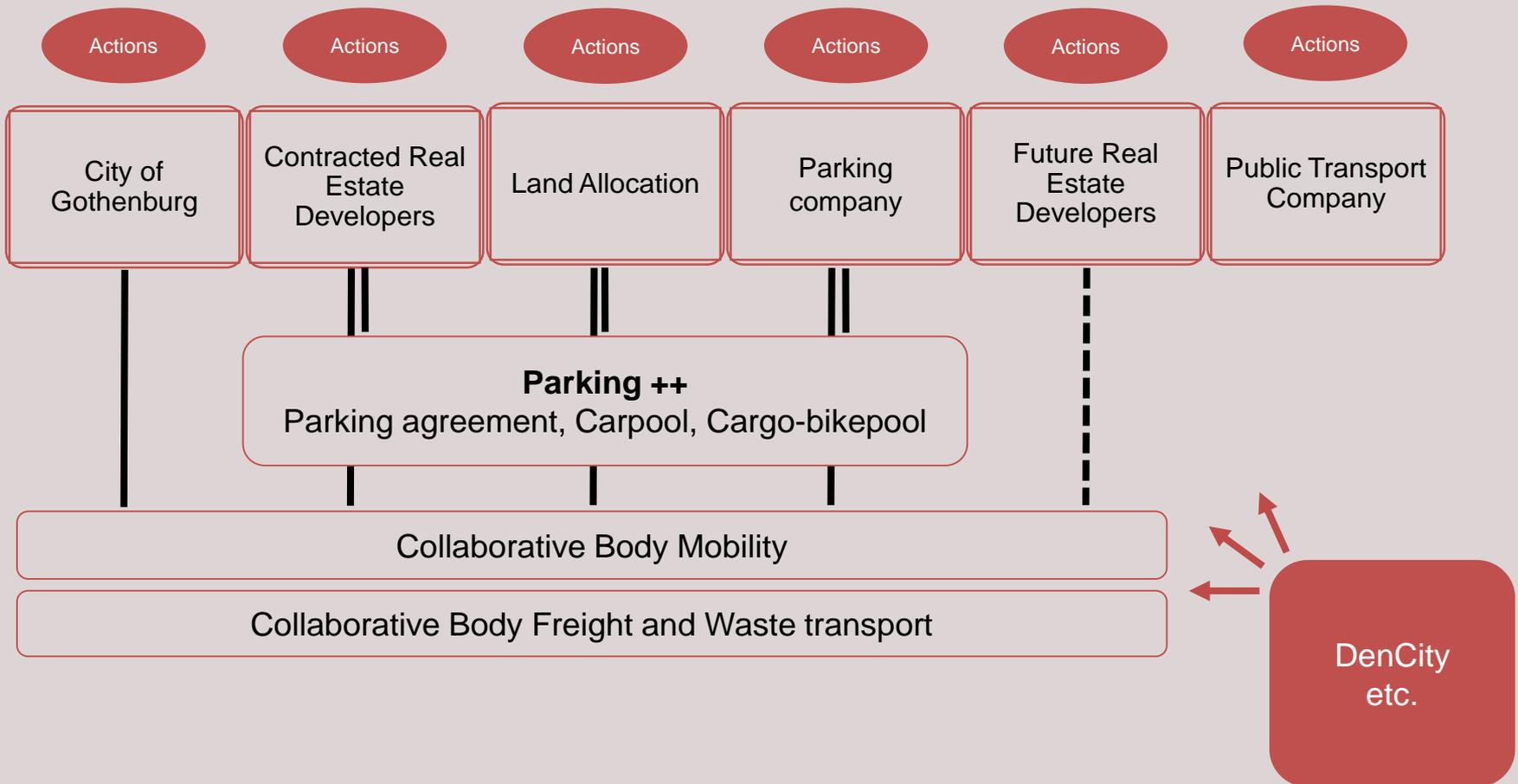
System Integration & Evaluation

Results from demo of multimodal transport chain including urban waterways

- [Clip](#) illustrating first leg of the transport chain:
- **Scope**
 - 2 weeks demonstration – parcel deliveries and waste transport
 - Several actors involved (3PL, barge operator , last mile distribution company, waste company)
- **Conclusions**
 - It works well with waterways in Gothenburg from a number of perspectives
 - Reduces congestion, and with electric barges it is environmentally preferable over road
 - Development to reduce cost are needed
 - Demonstrations are an excellent way for both (1) propelling industrial development (2) doing research



IMPACT – Avsiktsförklaring mobilitetsåtgärder



Project Consortium



CLOSER

Project Manager

CLOSER

Authorities



Institutes & Universities



UNIVERSITY OF
GOTHENBURG

RI
SE

Sustainable
innovation



Industry

postnord



coop



DB SCHENKER



VOLVO

baghitch



MAGNOLIA Framtiden NCC
Hauschild + Siegel architecture R.

Funded by:





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