"Approaching the need for accommodation of freight into early development plans for sustainable cities"

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Closer is the Swedish arena for research, development and innovation within transport efficiency. We offer a neutral innovation and demonstration environment for collaboration between industry, academy and public sector.
The vision for future cities?
Large areas in the central core of Gothenburg will be developed and exploited in the next decades with a capacity of at least 30,000 residents and 40,000 workers.
DEN CITY
BUSINESS AS USUAL VS INNOVATIVE SOLUTIONS

Illustration by Anna Liljedal
Illustration by Anna Liljedal
City development planning process – where does freight fit in?
City development planning process – where does freight fit in?

- General Plan
- Vision for the Area
- Program
- Detailed Plan 1
- Building Permits

Freight Input Needed

Possibility to Give Input
Suburban area

- 3PL terminal
- Manufacturing/retail
- Food/catering
- Waste/recycling facility
- Construction material
Frihamnen

510 000 m² establishment area
15 000 employees/work places
3 651 establishments

11 914 deliveries/week
4 386 m³ perishable goods/week

Collective feedering

3PL terminal

Food/catering

Waste/recycling facility

Manufacturing/retail

Construction material

Collective last-mile

Frihamnen

Suburban area
Integrating logistics into urban planning

Goal
- More space-efficient urban logistics
- Less emissions, safer, higher quality of life
- More space available for other urban activities, including housing, offices, retail

Collective logistics services generate value for non-logistics stakeholders
- More development space (higher revenue for real estate owners)
- Better service for tenants (receivers of freight)

Business model
- Can we come up with business models that these stakeholders pay for these benefits, making these services economically viable?

Challenges
- Freight data
- Actor cooperation
- Infrastructure: Nodes for last-mile distribution
Space-efficient transport for sustainable cities

Megatrends of urbanisation and lifestyle changes

• New urban planning paradigm: high-density attractive urban space
• Increasing distribution traffic
→ Space efficient logistics solutions required

• Global relevance
Thank you!

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