



Mission Cities Striving for Sustainable Urban Logistics

NetZeroCities Webinar

Powered by ECT projects of Lahti and Helsinki

3.9.2025





Purpose for Today

Cutting logistics-related emissions is increasingly important on our mission towards Net Zero Cities

- How can cities encourage and enable sustainable urban logistics?
- Share experiences and draw inspiration from others tackling similar issues





Agenda

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- 13.00 Welcome to the webinar!
 - 13.05 How is it going in Enabling City Transformation projects of City of Lahti and City of Helsinki that both seek solutions for more sustainable logistics?
 - 13.20 Successful approach for sustainable urban logistics
*Ingeborg Briseid Kraft, **City of Bærum***
 - 13.40 City Logistics Plan of Paris
*Michèle-Angélique Nicol, **City of Paris***
 - 14.00 **City of Amsterdam, City of Oslo and City of Gävle** on their approaches to sustainable urban logistics
Christiaan Nord, Margrethe Lunder, Anna Klasson
 - 14.30 Break-out sessions for sharing and collecting questions
 - 14.50 Sharing from breakouts in plenary and wrap-up





Heavy Transport Emissions in Helsinki & Lahti

Jaana Martikainen, City of Lahti

Project Manager of ZERO-TRAIL

Kaisa Juntunen, City of Helsinki

Project Manager of MADLESS



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Regional Centrals in Southern Finland

Helsinki, capital city

- 684,018 inhabitants
 - 1,266,392 in the capital region

Lahti, regional centre

- 121,691 inhabitants





Shared Challenges in Logistics Emission Reductions

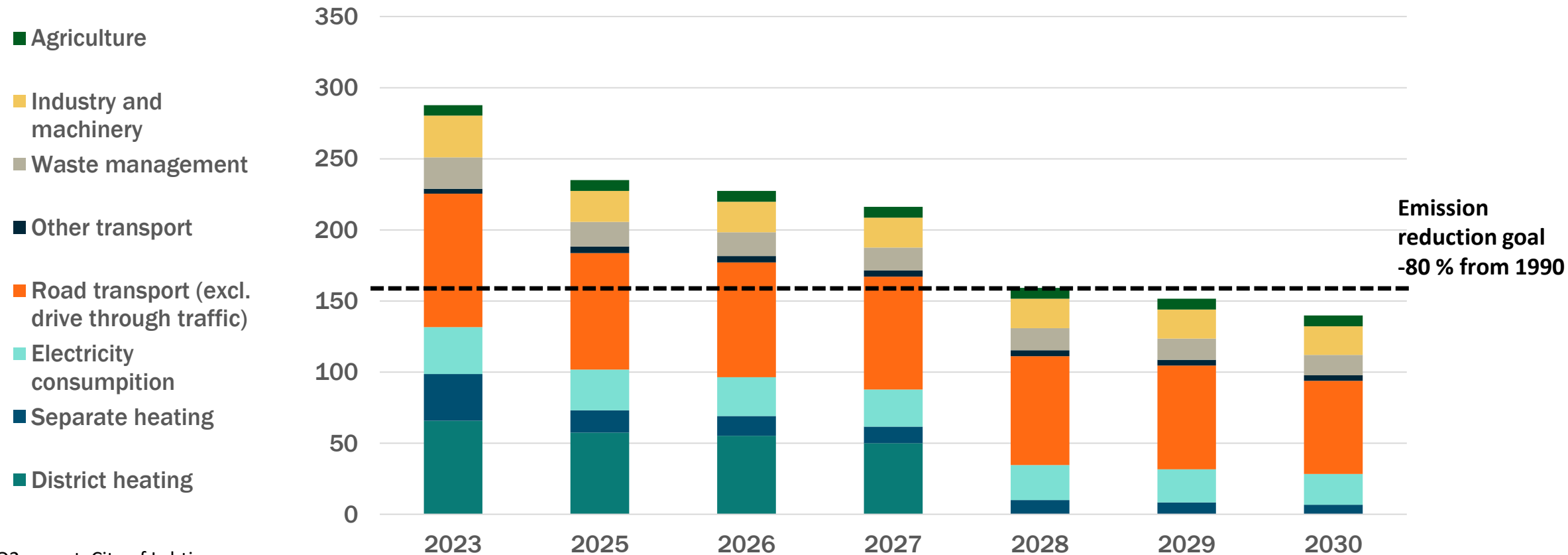
- Limited ability to directly influence logistics emissions
- Identifying critical bottlenecks and stakeholders
- Transitioning to low-emission energy sources is not enough to reach the set targets – additional actions are required

→ **NetZeroCities Enabling City Transformation projects**
ZERO-TRAIL (Lahti) and MADLESS (Helsinki)





Lahti: Emissions in 2023 and forecast for 2025-2030 (kt CO₂e)



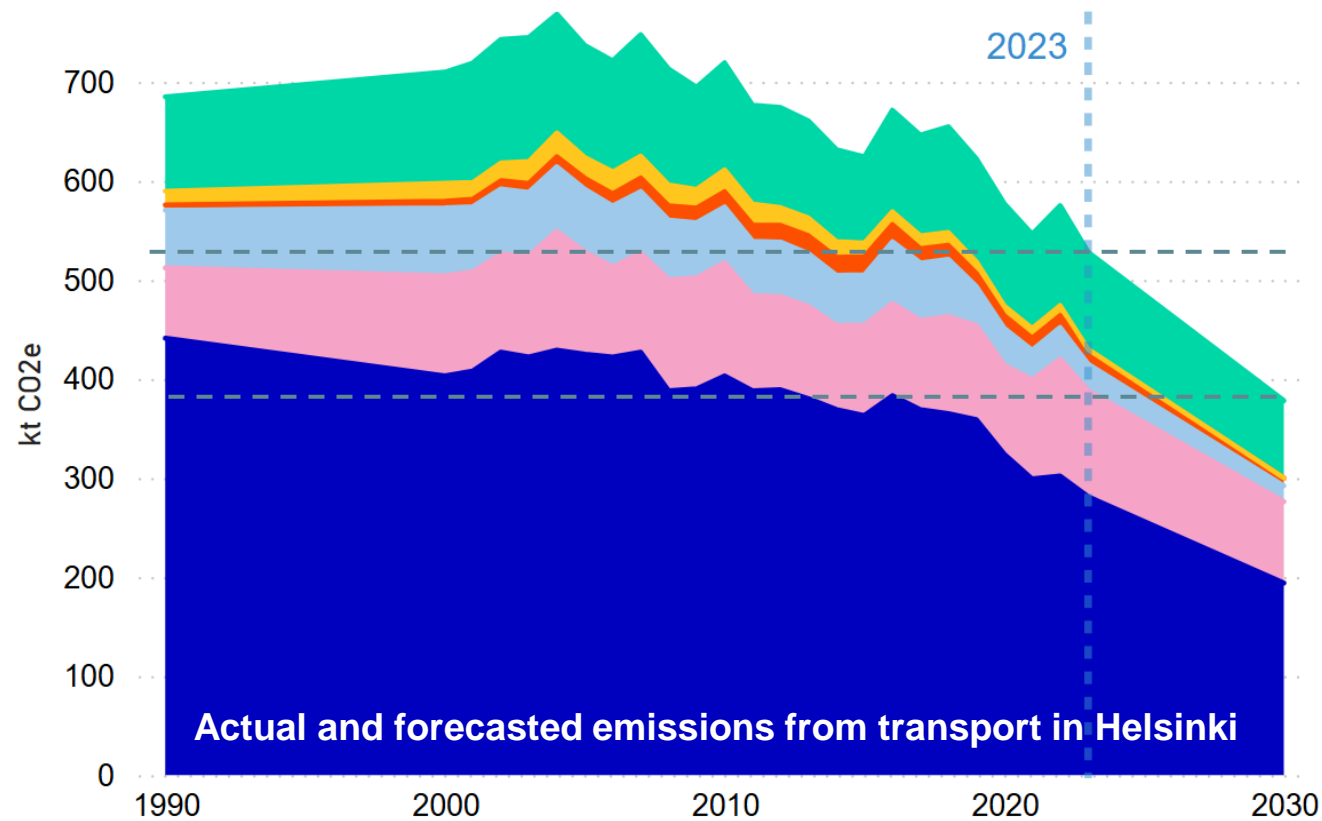
Source: CO₂-report, City of Lahti



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Transport Emissions in Helsinki



City of Helsinki
CO2 Emission Reduction Target:
–85 % by 2030*

2023 Total

2030 Forecast

With existing measures

With existing measures,
transportation will
account for **62 %** of total
CO2 emissions in
Helsinki in 2030

- Passenger cars
- Buses
- Water transport
- Motorcycles
- Rail traffic
- Heavy traffic

*2030 target: Direct CO2 emissions (scope 1 & 2) down by min. –85 % compared to 1990



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Current Actions in Lahti

ZERO-TRAIL



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ZERO-TRAIL

TOWARDS ZERO-EMISSION URBAN TRANSPORT AND LOGISTICS

1. Sustainable Urban Logistics Plan SULP

Meta-analysis

Analysis of logistic flows
in urban areas

Low-emission logistics of
the city group

Co-operation with
stakeholders

2. Business models for charging infrastructure

Background study

Innovations:
Business model for
multimodal charging and
charging hubs

Guidebook for
municipalities

3. Regulative and supportive policies

Impact assesment

- CO2 emissions and
reduction potential
- Business sector

Multilevel governance





ZERO-TRAIL

In
tendering

1. Sustainable Urban Logistics Plan SULP

Meta-analysis ✓

Analysis of logistic flows
in urban areas

Low-emission logistics of
the city group

Co-operation with
stakeholders

Included in SULP

3. Regulative and supportive policies

- Impact assesment
- CO2 emissions and reduction potential
 - Business sector

Multilevel governance

- ✓ List of measures to cut emissions of urban logistics in Lahti
- ✓ Model for co-operation after this project





ZERO-TRAIL



2. Business models for charging infrastructure

Background study

Innovations:
Business model for
multimodal charging and
charging hubs

Guidebook for
municipalities

Background study

- Interviews:
 - level of electrification
 - need for charging infrastructure now and in the next 2 and 5 years in Lahti
- Urban logistics, taxis, buses, charging operators, charger manufacturer, energy company...
- Expecting results by the end of September





ZERO-TRAIL: some notes from meta-analysis

- Key question: how to build **co-operation** with stakeholders
- Measures require co-operation → long logistics chains may make it difficult
- If you want to cut emissions, it will take **time**
- Use **many measures** side by side
- Decision-makers: enough **motivation** to make changes
 - Pollution and air quality, congestion, historical center to protect etc.
- Digitalization may help





Current Actions in Helsinki

Active Research & Stakeholder Mapping



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MADLESS



Meta-Analysis Driven Logistics Emission Solutions through Stakeholder Collaboration

Project Goals

- Identify **effective and scalable practices** to reduce logistics-related emissions in Helsinki
- Strengthen **stakeholder network** and foster long-term cooperation
- **Motivate joint action** & propose concrete measures

Key Steps for 2025

- Aug.** Stakeholder interaction plan
- Sep.** Two theses identifying best practices in Europe & Finland
- Oct.** Planning for thematic stakeholder workshops
Discussions of identified measures, their potential impacts and applicability in Helsinki

+ Identifying study trip destinations for 2026





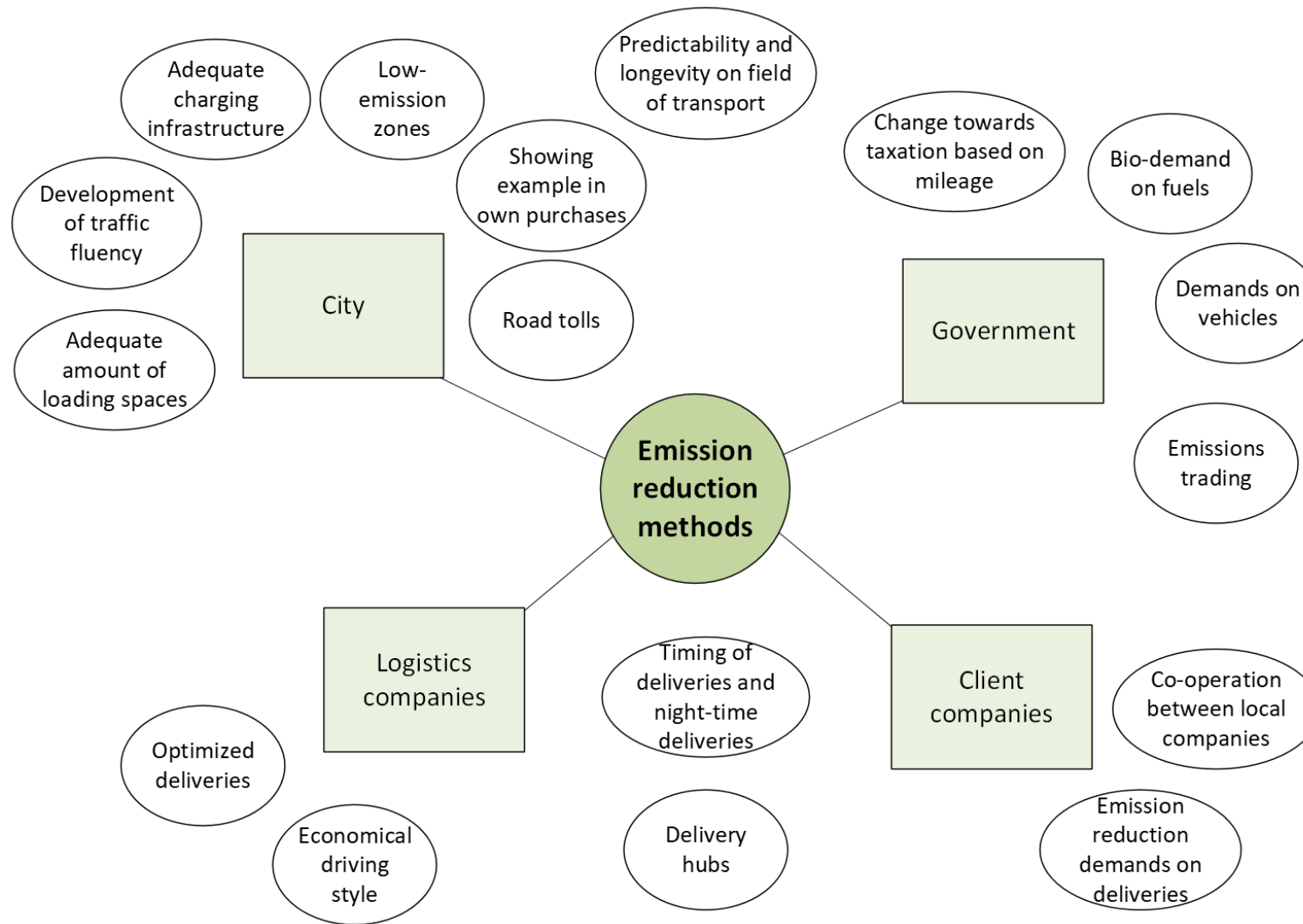
Preliminary Findings from Theses

- Interviews conducted to complement literature reviews
 - 12 interviews with European city representatives & 8 with Finnish stakeholders
- Results from both work emphasise **stakeholder cooperation** as a key measure towards emission free city logistics
- Technological advancements and their adoption require supportive **long-term** and **multi-level collaboration**
- With some of the efficient emission reduction measures, cities rely on national level initiatives, e.g. legislation
- In all actions, **predictability** and **early communication** is important to support actors in transition phases
- Stakeholders in Finland see the city's role as an **enabler** and an **example**; leading the way and motivating others

Dilnaz Zhumabayeva: Best Practices and Means to Develop Zero Emission City Logistics



Tuomas Lahtinen: Development of Emission Free Urban Logistics in Helsinki



**PRELIMINARY
RESULTS**



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Break-out sessions – 20 minutes

- Time to share ideas!
- Choose a break-out room 1-3
- Each room will have facilitators to guide the discussion and taking notes
- Each room will have the same questions





Break-out sessions: Questions

- What has your city done for sustainable urban logistics?
- What kind of challenges have you identified?
- From your experience, what are the most impactful measures cities can implement to reduce CO2-emissions of urban logistics?
- What are the different roles cities can take in the transition?
- Who should be involved when preparing and implementing these measures?





Break-out session facilitators:

- **Group 1**

- Jaana Martikainen
ZERO-TRAIL
- Reetta Koskela
MADLESS
- City of Amsterdam

- **Group 2**

- Kaisa Juntunen
MADLESS
- Niina Sallinen
ZERO-TRAIL
- City of Gävle

- **Group 3**

- Salla Jäntti
MADLESS
- Tiia Tuomisto
ZERO-TRAIL
- City of Oslo





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- 13.05 How is it going in Enabling City Transformation projects of City of Lahti and City of Helsinki?

- 13.20 City of Baerum on their successful approach for sustainable urban logistics

- 13.40 City of Paris on the development of their City Logistics plan, challenges they faced and decisions they took

- 14.00 City of Amsterdam, City of Oslo and City of Gävle on their approach to sustainable urban logistics

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Break-out sessions: Findings

- What would your group like to highlight from the conversation?





Thank You for participating!



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