

# **Zero-Emission Zones: Don't Wait to Start with Freight!**

## How-To Guidelines

*Giacomo Lozzi, Polis Network*



# **Urban Freight Working Group**



**POLIS-ALICE strategic dialogue:** Joint strategic actions with the industry to pave the way for CO2-free city logistics by 2030

**European Clean Trucking Alliance (ECTA):** Alliance including around 20 leading companies focused on creating demand and advancing ZE freight.

## **Work on Zero Emission Zones for freight**

- Series of [\*web-events on Zero Emission Zones for freight\*](#) took place online on 31 March, 1 and 2 April 2020.
- ***C40-TDA-Polis ZEZ How-To Guidelines*** on ZEZ for freight (under preparation)



# How-To Guidelines on ZEZ for freight



# What is freight in a city?



Total GHG emissions (2015) 3.6 Mtonne



Parcel and express | 4%-9%



Temperature-controlled | 13%-19%



General cargo and retail | 39%



Waste logistics | 6%



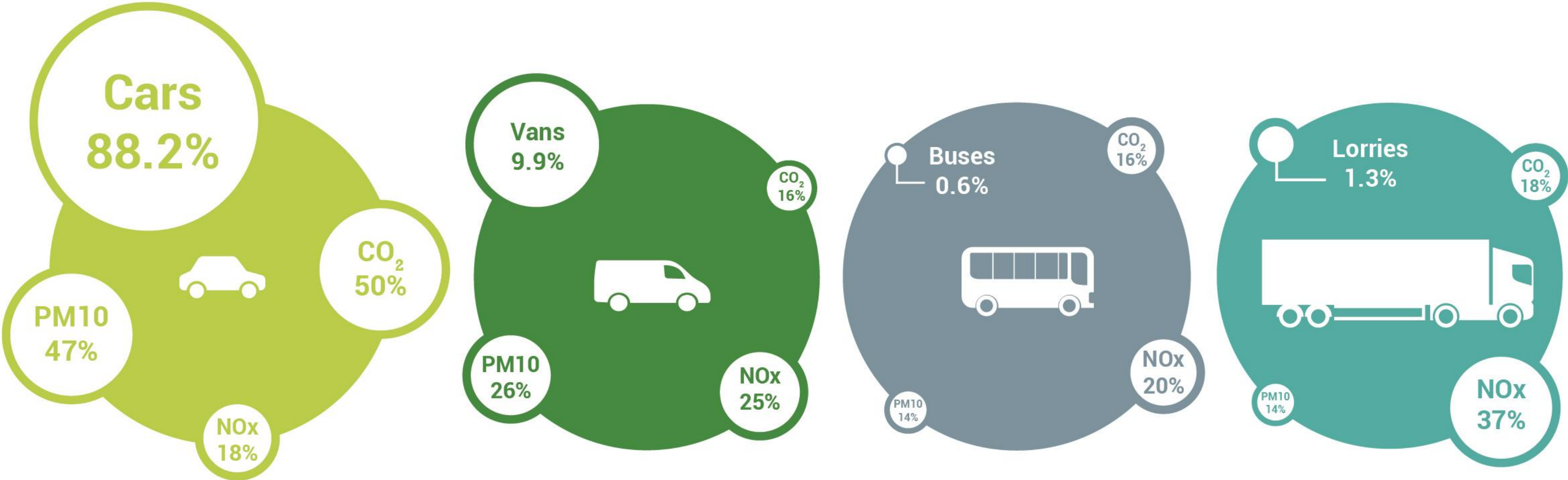
Facility logistics | 11%



Construction logistics | 27%



# Proportion of vehicles in traffic and emissions





**Why create a zone for ZE-freight?**





# Why start with freight?

- Disproportionally large chunk of emissions comes from freight
- Relatively small amount of vehicles can make a huge impact= efficient to start with freight
- Different ball game systemic approach, charging infrastructure, stakeholders (counterpart is a company)
- Companies need time to plan efficiently, avoid disinvestments: need to set targets for freight now.



# Vehicle replacement isn't everything



**Reduce freight traffic** by increasing the efficiency of freight logistics

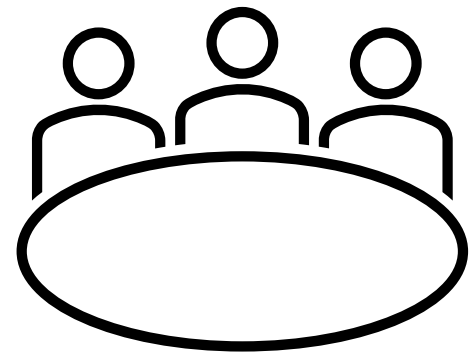
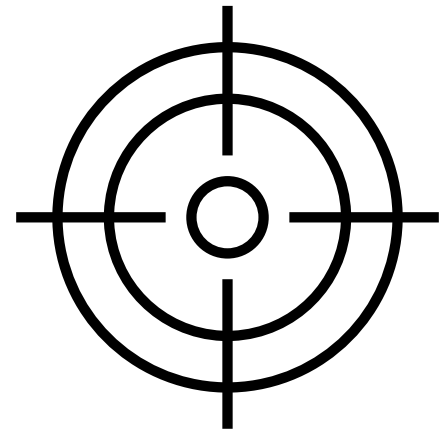
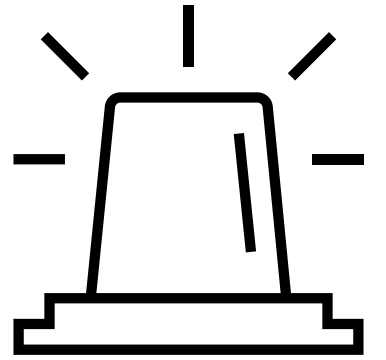
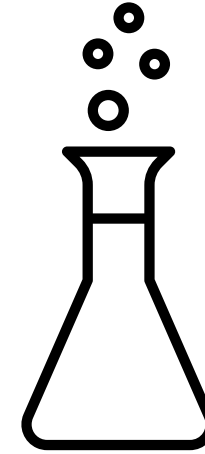
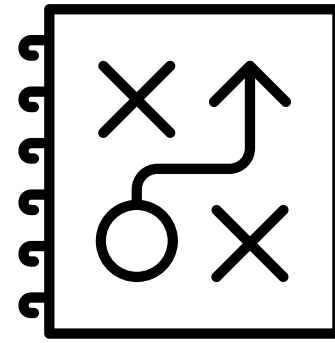
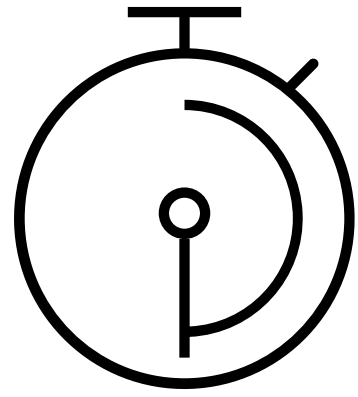


**Choose the best vehicle type or the right mix of transport services** to reach the end goal, including transport as a service, (shared) cargo bikes, light electric vehicles and other smart solutions



Transition the trucks left on the road to **zero emission**



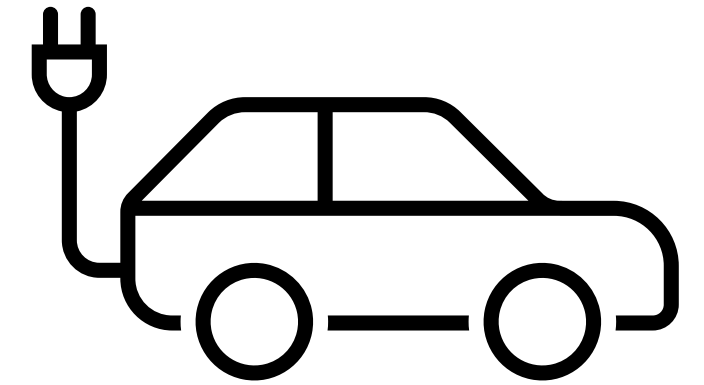


## Steps for Action

1. Build trust with stakeholders throughout the broad freight community
2. Clarify objectives as well as regulatory powers
3. Set an ambitious and realistic target date
4. Develop an implementation strategy
5. Test and pilot your desired interventions
6. Implement, monitor, fine-tune...and enforce

# Keys to Success

1. Aligning policies across different levels of government
2. Creating incentives and other supporting measures
3. Developing charging infrastructure for electric vehicles
4. Getting the necessary data



# Case studies

**Rotterdam:** Zero emission zone for freight in 2025

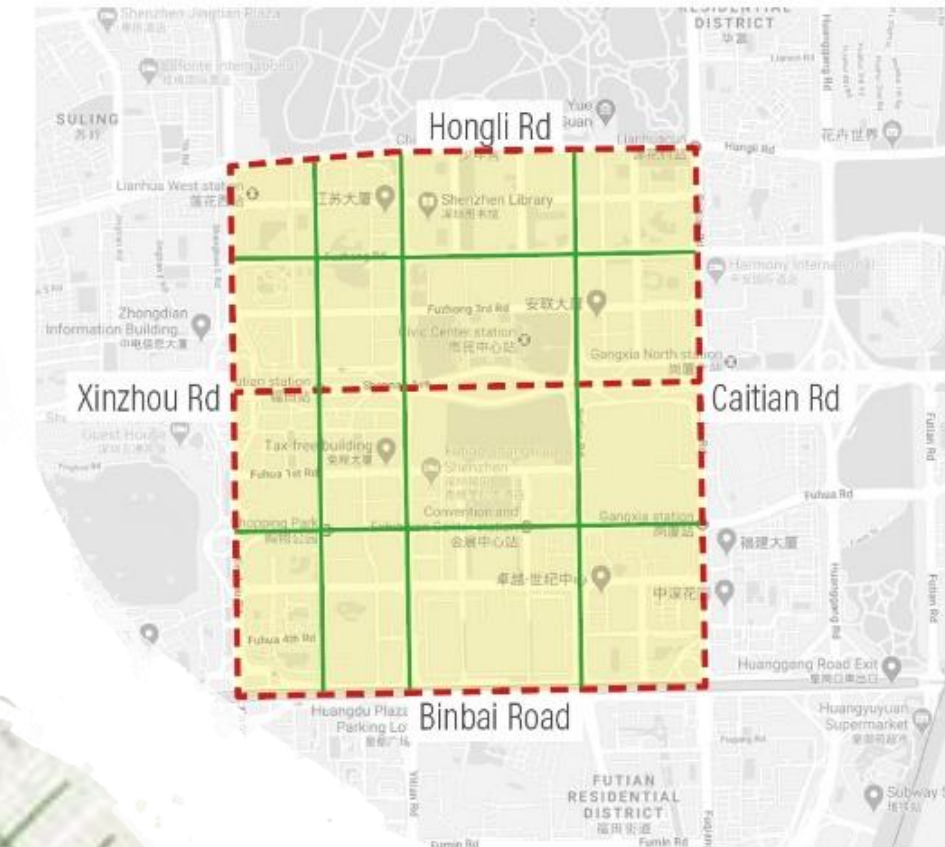
**Shenzhen:** Green Logistics Zones

**London:** from Ultra Low to Zero Emission Zones

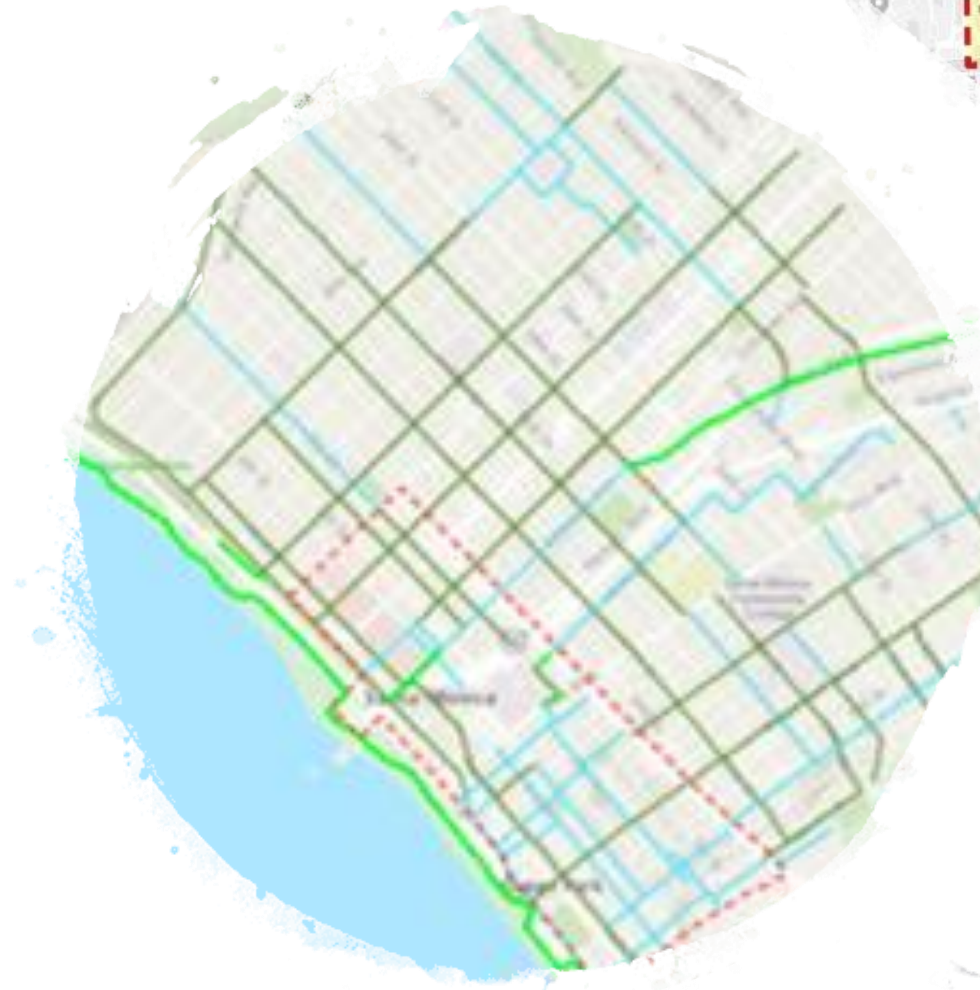
**Santa Monica:** a Voluntary Zero Emissions Delivery Zone



Futian Center



Nanshan Tech Park





# Thank you! Questions?

**Giacomo Lozzi**

**POLIS NETWORK**

**Coordinator Urban Freight**

**[www.polisnetwork.eu/freight](http://www.polisnetwork.eu/freight)**

**[glozzi@polisnetwork.eu](mailto:glozzi@polisnetwork.eu)**

**Phone: +32 2 5005686**