

TRI = VIZOR

THE WORLD'S FIRST CROSS SUPPLY CHAIN ORCHESTRATOR®



- ≡ World's First Cross Supply Chain® Orchestrator™
- ≡ Since November 2008
- ≡ 2 private shareholders

TRI = VIZOR

THE WORLD'S FIRST CROSS SUPPLY CHAIN ORCHESTRATOR®

As the world's first impartial orchestrator for transport and logistics, TRI-VIZOR proactively prepares, designs and operates **horizontal partnerships and collaborative communities among shippers**. By bundling and synchronizing logistic activities across multiple supply networks, we create double digit gains in cost, customer service and sustainability for our clients.



Initiator

Inspiring and preparing companies for what is to come.



Architect

Preparing, designing, calculating and building partnerships and collaborations.



Trustee

Managing and improving partnerships and collaborations.

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Urban logistics

Through decoupling and a joint last mile an optimal drop and pick up density in cities.



Platforms

Cross sectoral collaboration with a trusted multi-user platform as central hub.



Co-modity

Modal shift after bundling freight flows.



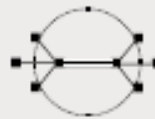
Physical Internet

Sharing capacity as key theme in transport system of the future.



Anti trust compliant horizontal collaboration

Trustee as guarantee for competitors to collaborate.



Nodes and corridors

Through clustering in nodes, facilitating bundling on corridors.



The changing consumer

More online



20% Share of online retail by 2023 *

Requires faster delivery



20-40% Growth in same-day *

Increasing awareness





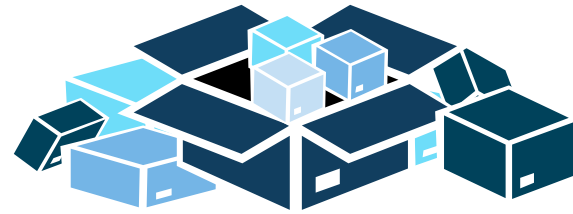
The city is suffering

More congestion



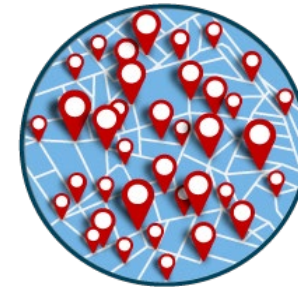
20-35% Congestion increase
from 2010 to 2020 *

More fragmentation



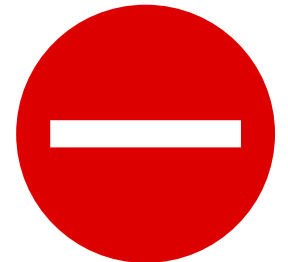
Smaller parcels
More frequent & ever faster

More deliveries



78% more city
deliveries
by 2030 *

More regulation





The logistics system is inadequate

Too many, too small

Too fragmented

Too much societal hindrance

Profitability?



Sustainable city logistics

Liveability

Zero emission

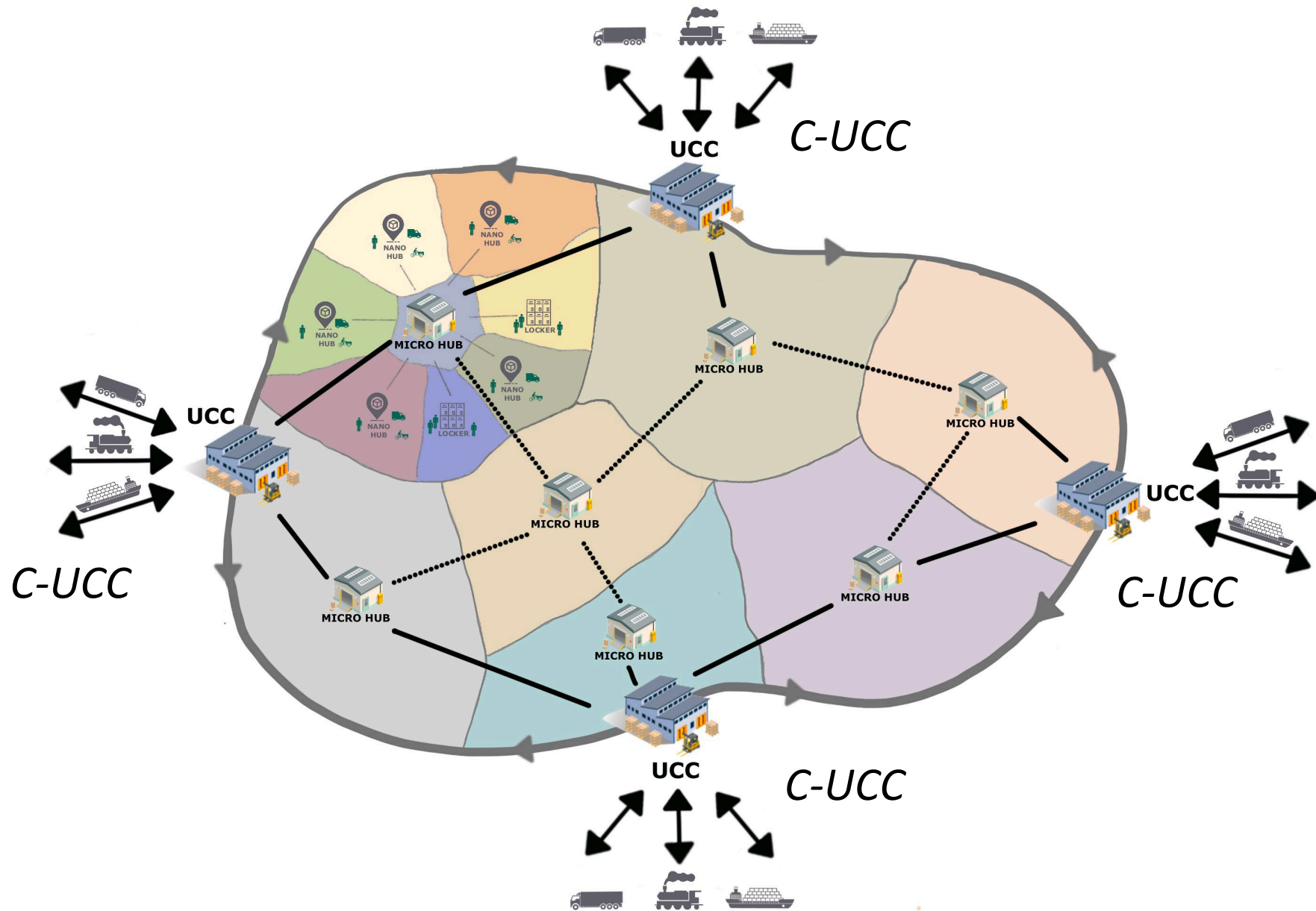
Stakeholders

Less transport moves

**Just sit and wait for technology?
Electrification of congestion?**



Liveability of stakeholders



What is needed?

Consolidation

Open access

Governance

At all levels
UCC – Microhubs - Lockers

Scale !

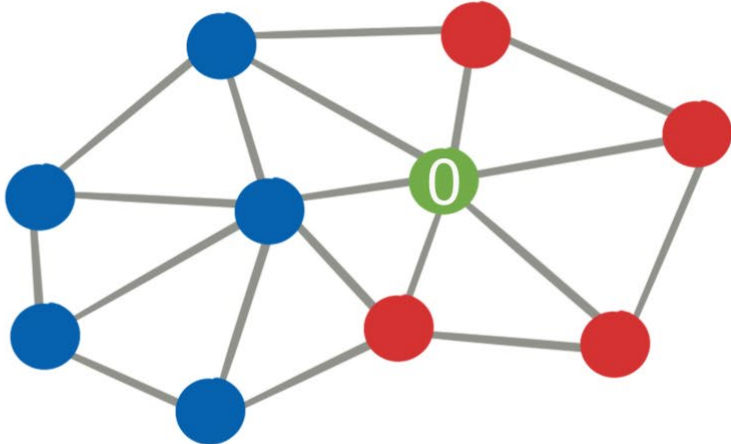
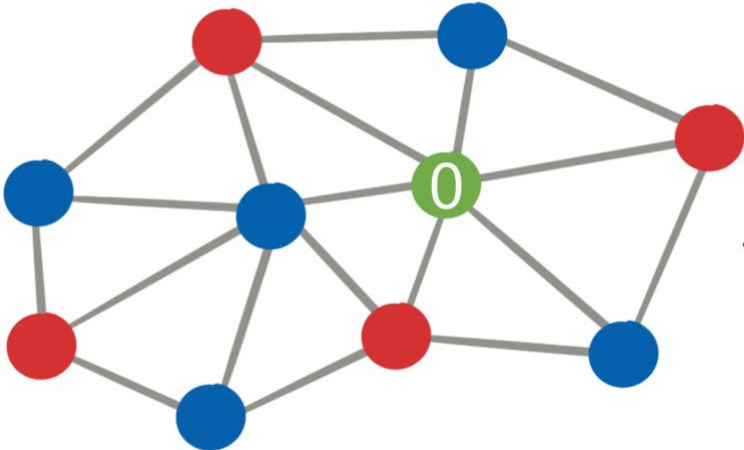


**Collaboration of
stakeholders**

Zoning or districting

● LSP 1

● LSP 2



Original
Delivery
Scheme

Delivery Scheme
with “Districting”

Source: Horizon Europe Project URBANE, 2023.

Guiding principles

Key principle for urban logistics	Motivation - clarification	Main goal
Consolidation	Bundling, clustering and pooling – asset or capacity sharing – collaboration - “more with less”	Scale - efficiency
Decoupling	Transshipment – replenishment & last mile & last-last mile – from supply-driven towards demand-driven	Agility
Multimodal	Combination of various transport networks (road, rail, water, underground and air) – various vehicle types – integration - synchronisation	Sustainability
Connectivity	City of Things (cfr. IoT) – hub & spoke – hyperconnected network – data sharing – community or ecosystem design	Robustness
Open access	Standards and harmonization – infrastructure on public domain - neutral assets – white label – common assets	Effectiveness
Public-private	Urban logistics deal – alignment – multilateral agreement – multi-stakeholder covenant	Balance
Orchestration	Governance – organization of collaboration – community or ecosystem building and management - monitoring	Fairness

Public-Private

Integrated logistics conceptual model (ILCM)

A model to address the right actors for a smooth and safe goods flow

