EXPERIMENTS & TRANSITION

URBANISM NEXT EUROPE 2021

What to be prepared for....
..... on your way to ZE city logistics

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Jos Streng, Urban Development Rotterdam (moderator)
Daniel Spetter, Euser Transport
Bart Banning, ABN AMRO
Tristan Wanders, Stedin

@UrbanismNextEU #UNextEU

An approach from 4 different perspectives....

...and the discussion it triggers

→

These are the perspectives:

1. *Local authority*
2. *Transport*
3. *Finance*
4. *Energy*

The mission of our session is to fill this matrix.....

synergy / conflict	Public Interest	Transport	Finance	Energy
Public Interest	Presentation 1			
Transport		Presentation 2		
Finance			Presentation 3	
Energy				Presentation 4

→ ...and may the audience help us not miss the key points!

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Welkom
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WINKELSTE
STRAAT
ROTTERDAM
KARELDOORMANSTRAAT
J. Meertens & Zn
geel
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Marathon zo.6 april
Alle richtingen
20-RF-

Local authority has good reasons to consider city logistics

1. *Urbanization: #people ↑, #business ↑, hence #goods and services requiring transport ↑, all within the same city boundaries,*
2. *Changing consumer behavior: #e-commerce ↑ and #instant delivery ↑*
3. *#Competition for public [traffic] space ↑*
4. *#Accessibility, traffic safety and quality of living space ↓*

Groene
bezorging
in de stad

=

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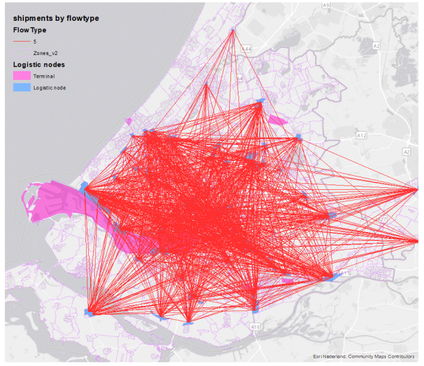
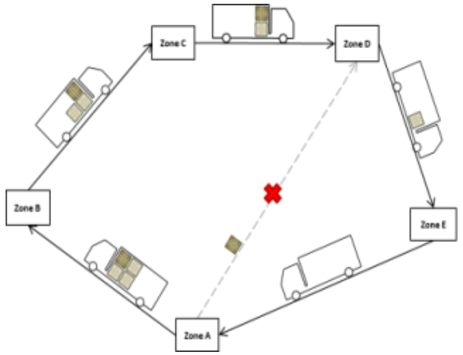
To understand the functioning of the city as a logistic machine

1. *Various segments: food, retail, parcels, service& facilitory deliveries, construction, waste.*
2. *Logistic chains: Producers, shippers, transporters, receivers*
3. *A range of company sizes and vehicle types*
4. *Each serving a purpose in the urban economy, but jointly responsible for the environmental footprint*



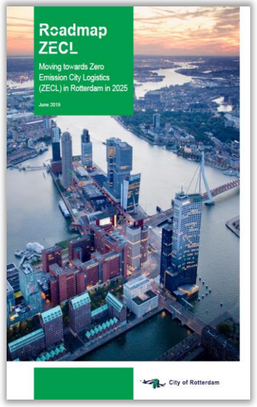


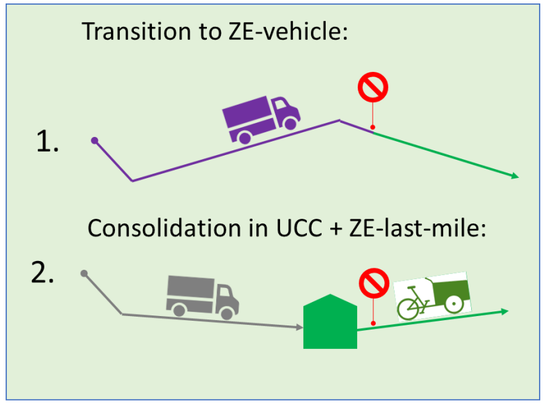
The Tactical freight Simulator in HARMONY: a decision support tool to explore urban logistics

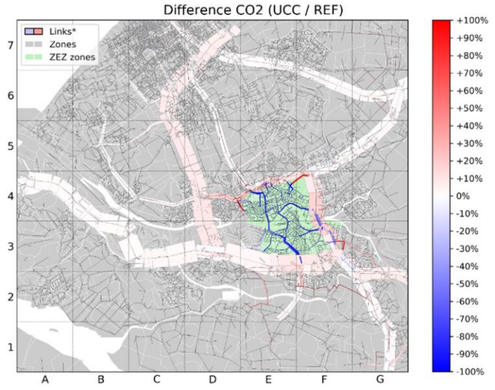
Possibilities for *Data-driven Urban Logistics in Rotterdam*

10-6-2021

Michiel de Bok (SIG/TUD), Lori Tavasszy (TUD), Ioanna Kourounioti (TUD), Sebastiaan Thoen (SIG)







To optimize its performance in terms of [maximum] efficiency and [minimum] externalities

→

1. *Some major increases in efficiency cannot be made without cooperation [sharing].*
2. *Sharing of public and private logistic space, of energy supply infrastructure and of assets such as ZE transport capacity*
3. *Higher revenue from increased efficiency may help to finance the reduction of externalities.*

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Afterwork Pick-up Point
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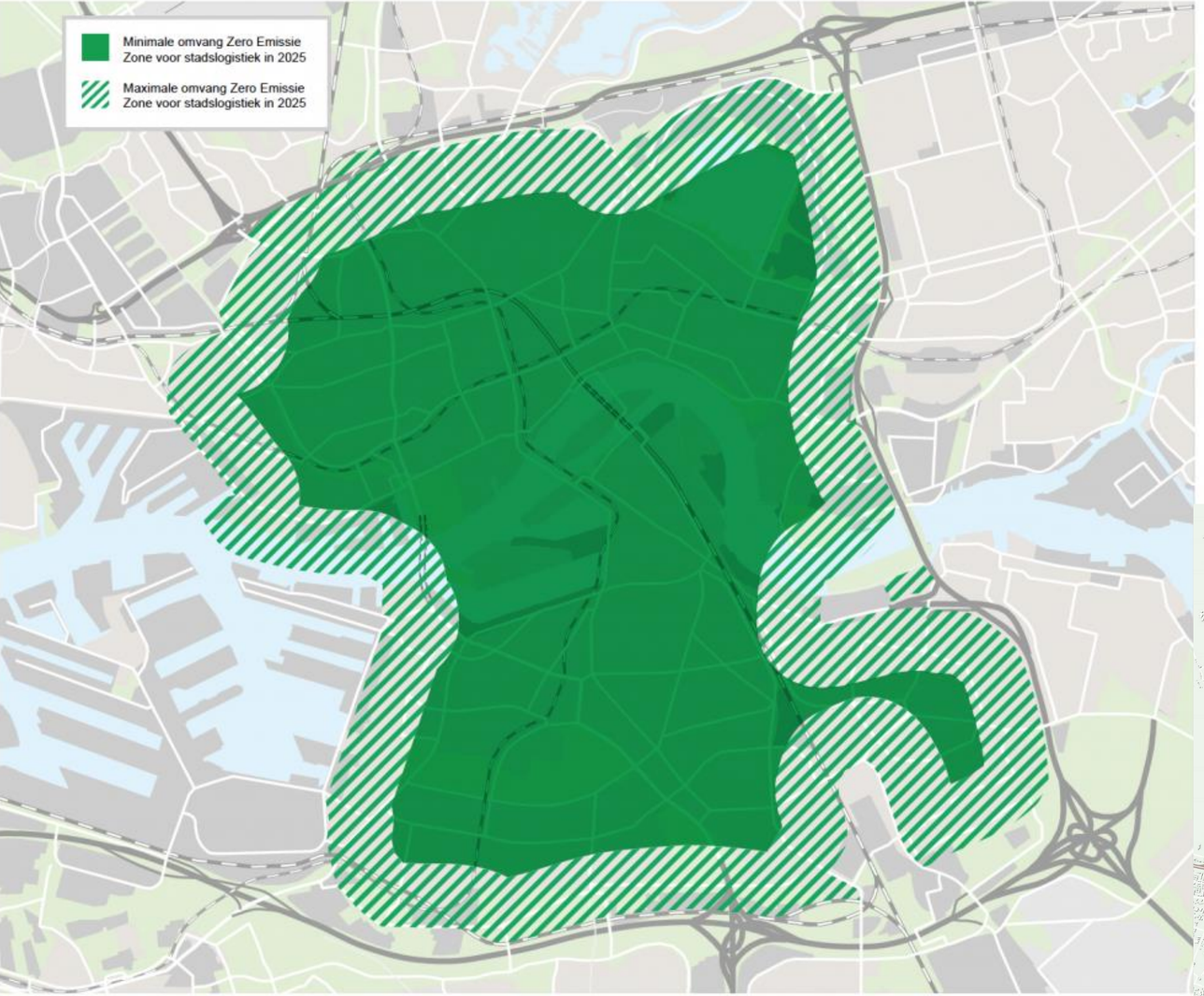
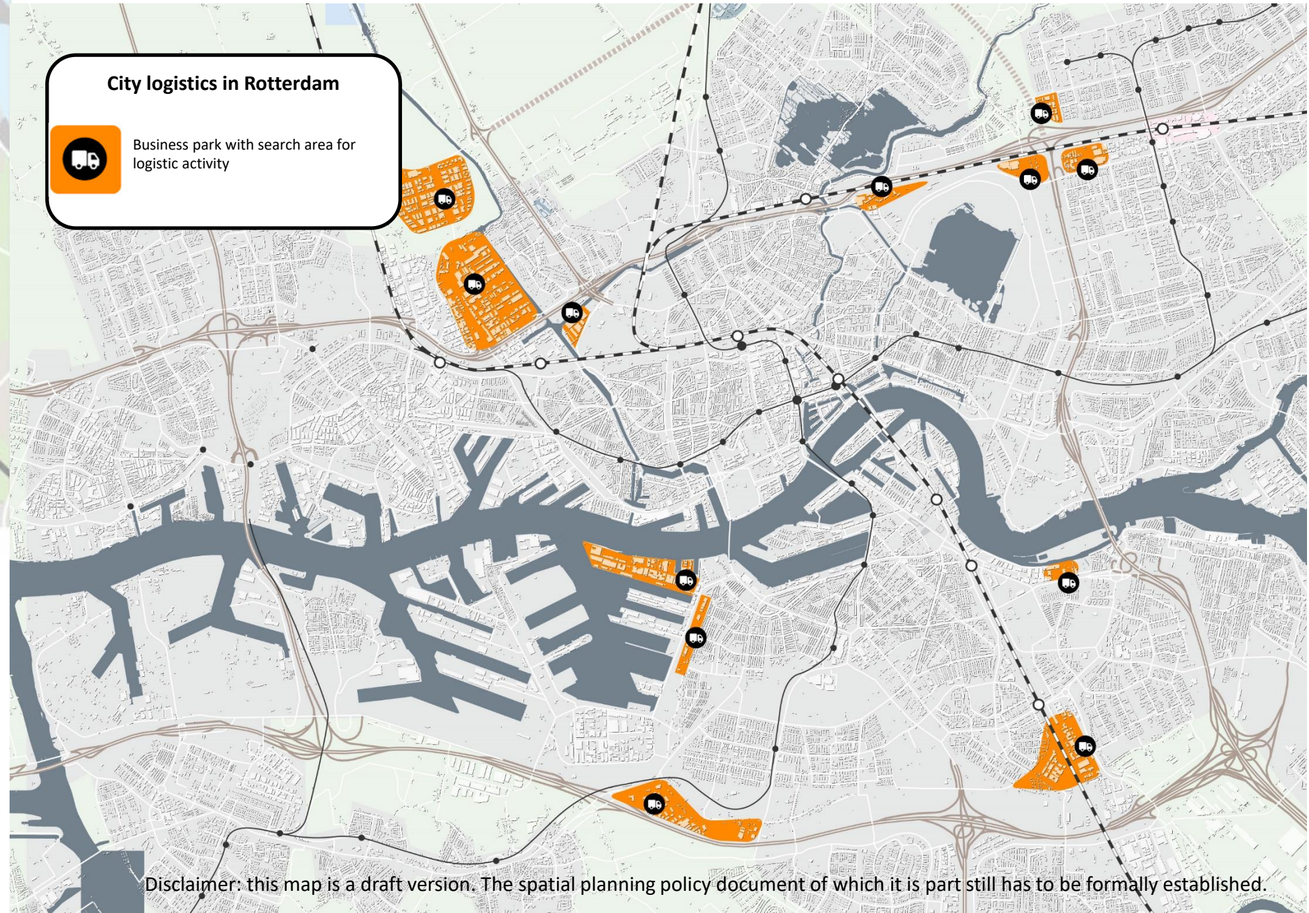
The three tools to use wisely and precisely

1. *Stimulation*
   Subsidy, lobbying, pilot and demonstration projects (EU), ZE delivery procurement

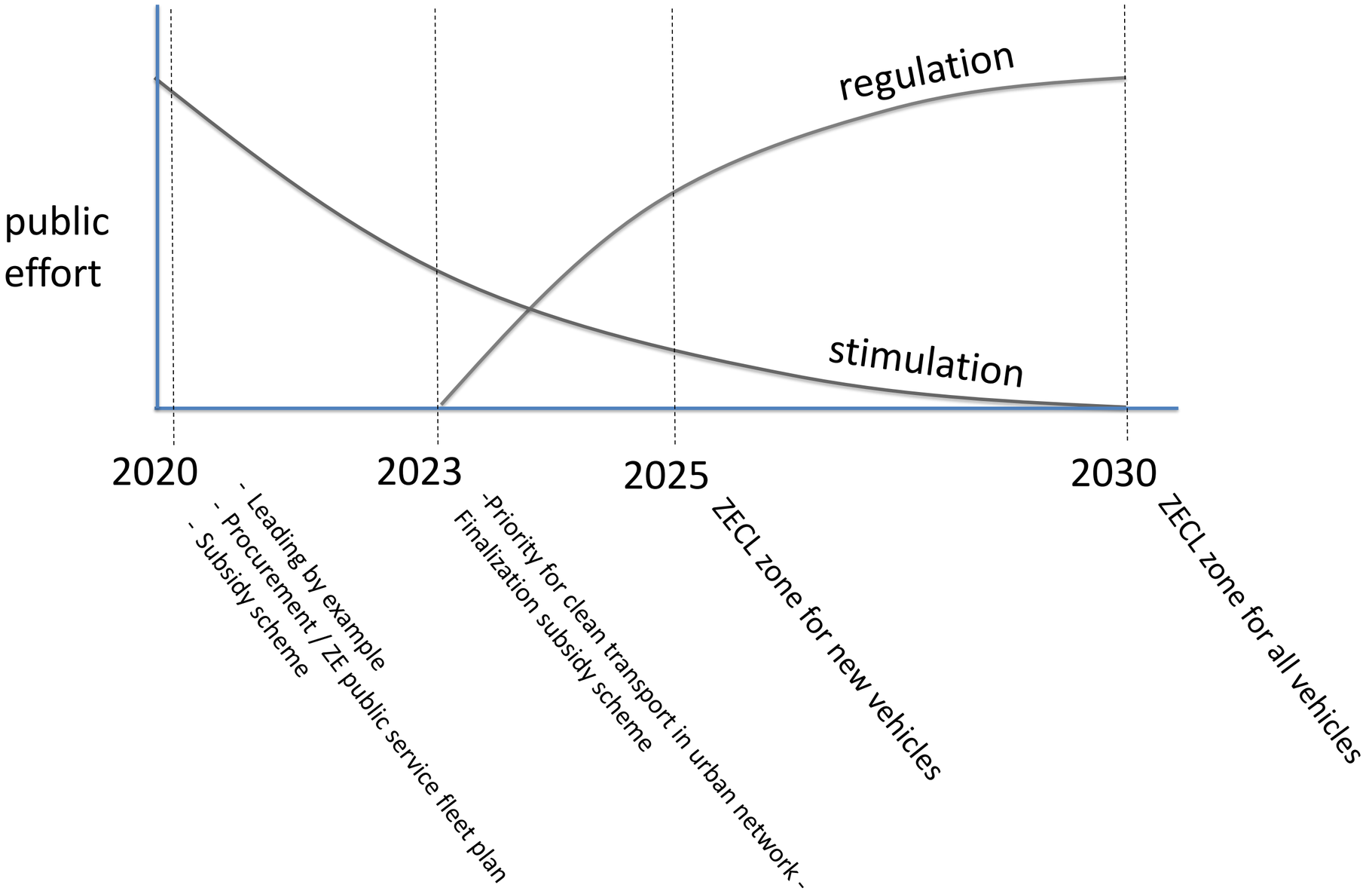
2. *Initiation*
   Hubs for efficient and ZE building logistics, fast charging facilities

3. *Regulation*
   ZECL zone, preferred delivery times and routes, logistic performance requirements in urban (re-) development projects





Disclaimer: this map is a draft version. The spatial planning policy document of which it is part still has to be formally established.


public effort
regulation
stimulation
2020
2023
2025
2030
- Leading by example
- Procurement / ZE public service fleet plan
- Subsidy scheme
-Priority for clean transport in urban network -
Finalization subsidy scheme
ZECL zone for new vehicles
ZECL zone for all vehicles

Remain curious about the result of your effort

1. *Prediction of policy measure effect using a simulation tool*
2. *Monitoring the KPIs*
3. *Present your view on international conferences and listen to what your audience makes of it….*

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Presentation 1

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