



Goederen
Hubs

De uitdagingen van duurzaam bezorgen (en weer ophalen)

How we learned by doing

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InnoTep 29th of September 2017

What I want to present you

- Short history Binnenstadservice > Goederenhubs
- Some words on city logistics
- Triple X – Triple P vision

Binnenstadservice > Goederenhubs

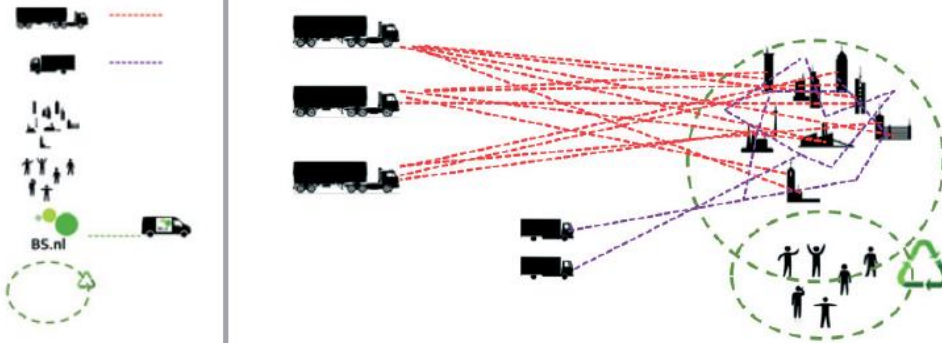
Our ambition was and still is..



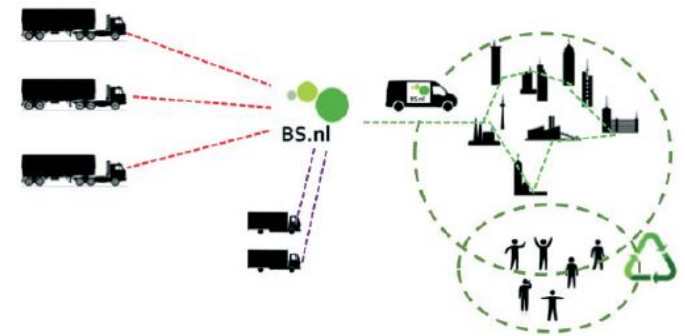
to design a new system for city logistics that creates the transition to financially, environmentally and socially efficient and sustainable city logistics

9 years of experience

Situation without
Binnenstadservice



Collective receiving point for
shopkeeper: Binnenstadservice



Citylogistics is 'hot' item

- Ambition of Zero-emission logistics, air quality
- Reduce of congestion in cities
- Livable city, flourishing economics
- Energy efficient or even energy neutral

But transition is slow

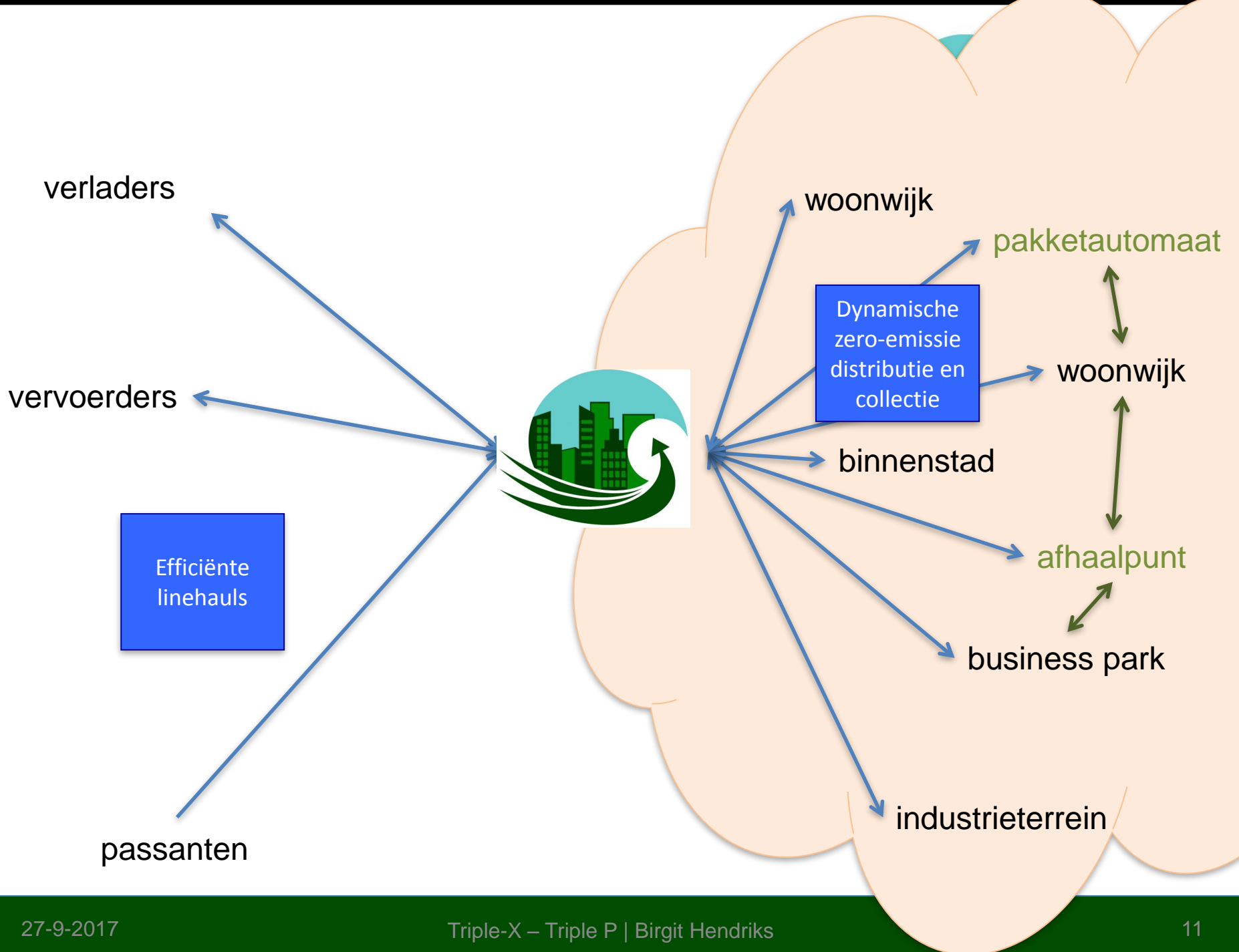
- A lot of stakeholders involved
- 'fossile' power in the transport branche
- Lack of strict Governmental policy
- More research is needed 😊

Integrated parallel actions

- The 'Triple P and Triple X' solution is a novel integrated approach to make Smart City Hubs work for the cities and create the impact that is needed.
- The parallel working on both the private and the public side combined with the parallel working on both upstream and downstream in the supply chain
- This approach is born out of experience.

‘All inclusive’ solution

- Experience has learned that shippers/carriers need an ‘all inclusive’ solution: the ‘triple X Smart City Hubs’ approach to make their impact in cities grow. The Triple X is what the industry side will take up and deliver
- The governments need to create the trigger for the industry stakeholders to change their logistic behaviour, ‘the triple P for municipalities’



Binnenstadservice Maastricht



What we deliver:

Smart City Hubs Triple X

1. Physical X-dock: space for operations
2. Financial X-dock: new contracts
3. Virtual X-dock: IT platform

Physical X-dock: space for operations

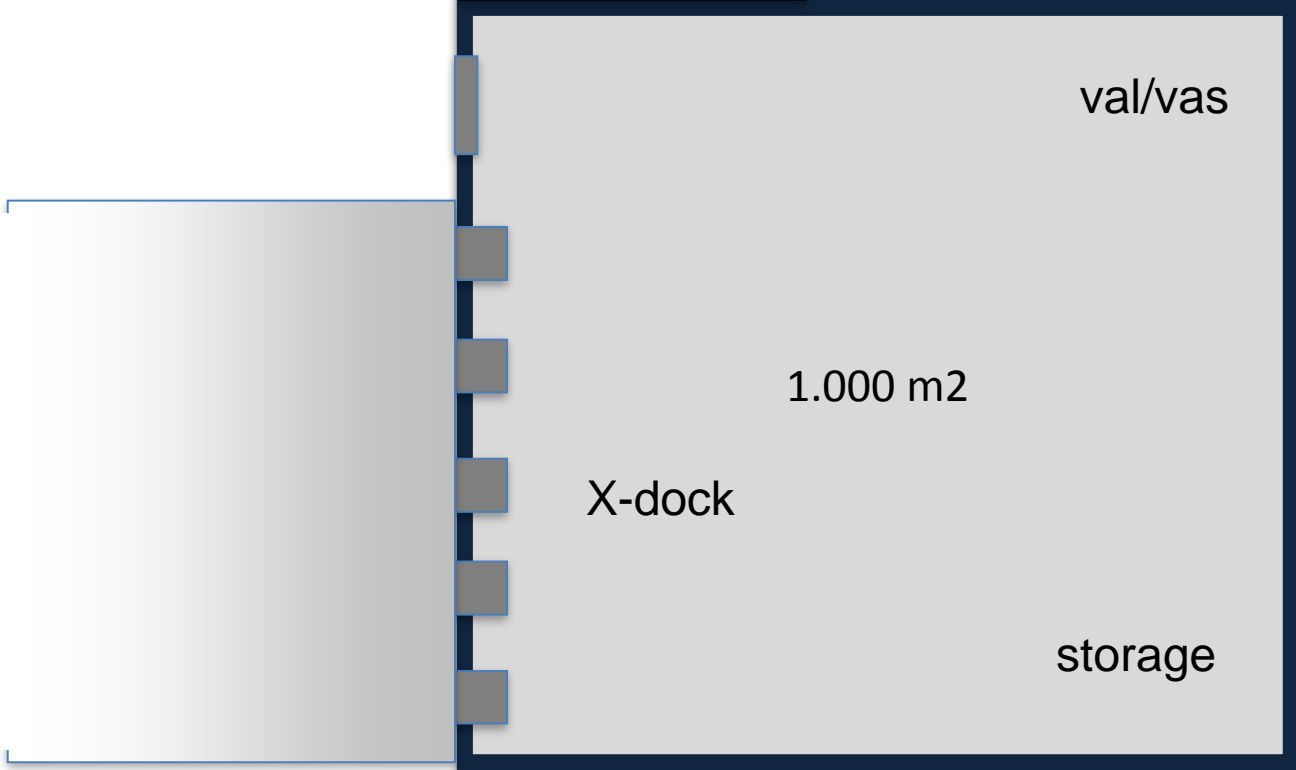


- Every city above 100.000 inhabitants needs a local independent SmartCityHub of at least 1000m²
- Scale in Europe (500 Hubs)
- All hubs should be connected in SmartCityHubs Europe
- Cooperation in marketing and sales
- Uniform services in distribution and Value Added Logistics



office

ICT



24/7

Tanking/loading

Trailer parking

The city logistic hubs in NL



The group today:

- 16 Hubs serving 22 cities

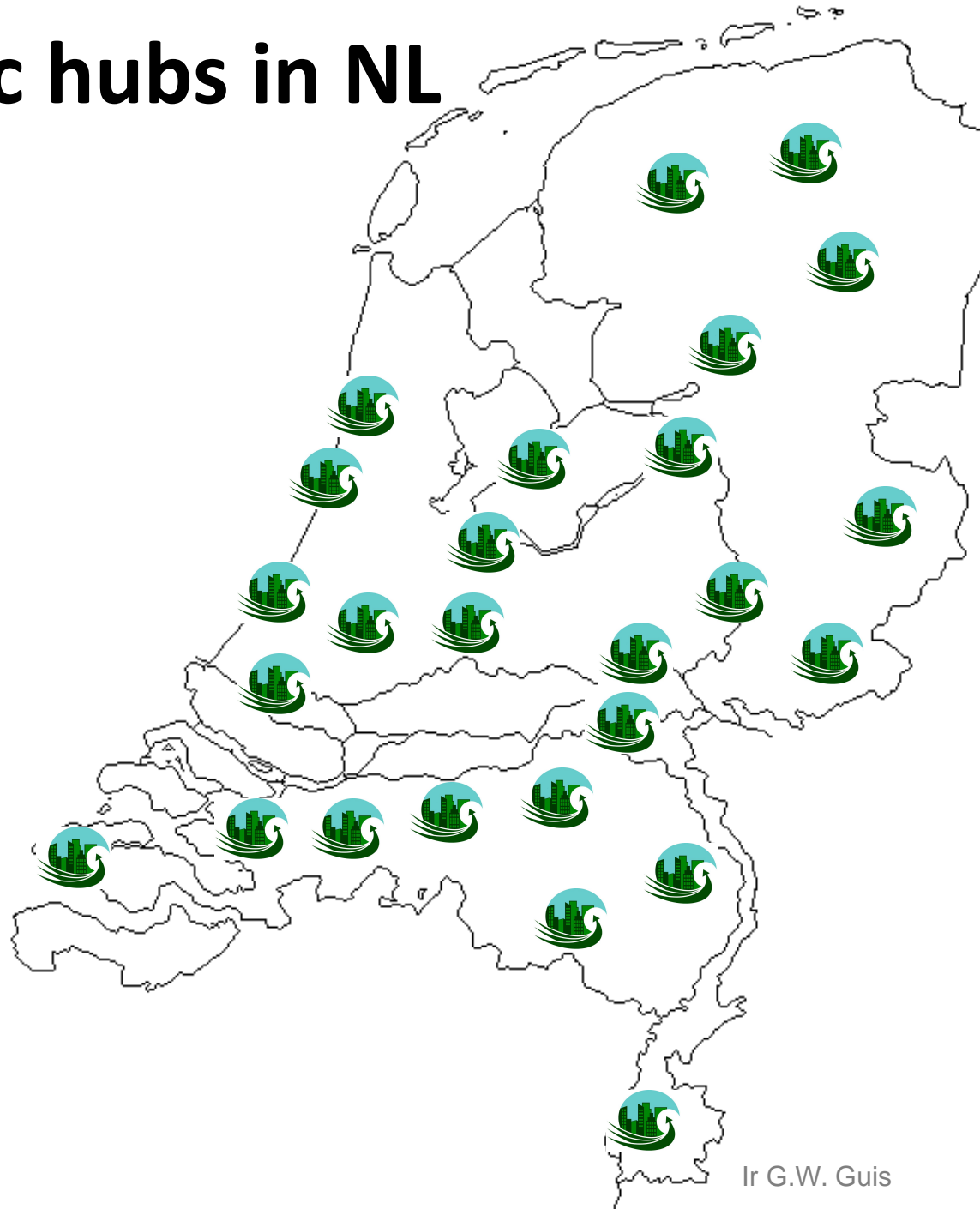
Our ambition



- 24 Hubs serving 40 cities

Ambition for Europe:

- Hubs in 500 cities
- Connected by IT

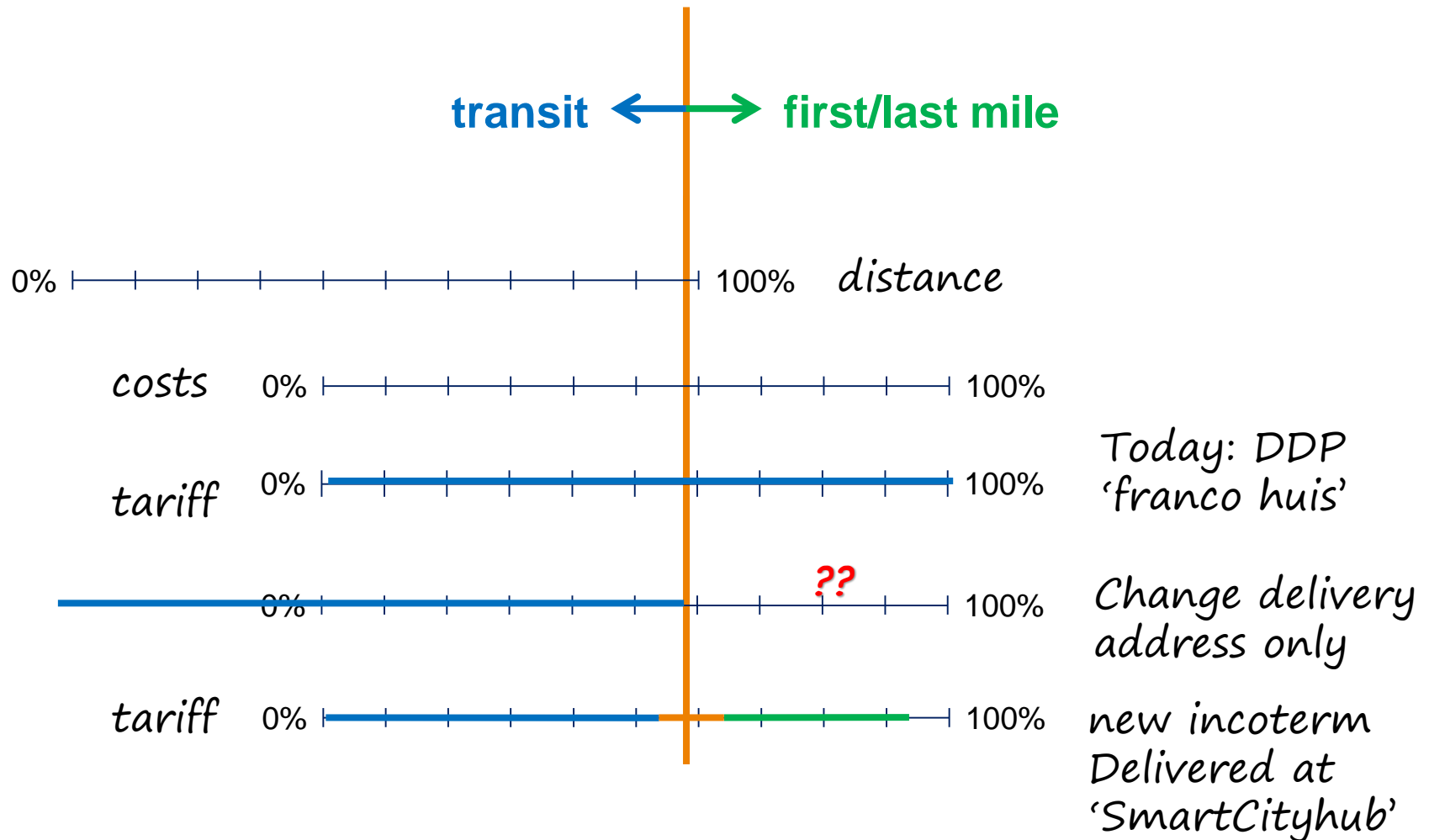


Financial X-dock: contract and Incoterms (1)



- “the last mile” is only a few miles,
but **very costly** (40% of transportation costs)
- Decouple costs and benefits at the edge of the city
- Possibilities for bundling of deliveries creates lower price per stop
- End receivers should be able to ask for a city logistic Incoterm, creating a better fit with their demands

Financial X-dock: contracts and Incoterms (2)



X-dock of information: IT solution



- **Uniform identification of parcels/pallets**
all through the supply chain
- **Bundling of orders for the last/first mile**
- End to end control for multiple shippers and receivers, independent of physical flow (Physical Internet)
- Real time proof of delivery to the shipper
- 1 device (PDA) to scan consolidated shipments
- Partner Marlo: MixMoveMatch and Deliver
- **GS1 standards used**
Keys: SSCC, GINC, GSIN.
EDI: Not yet implemented; aiming for GS1 XM
Transport Instruction,
Transport Status Notification (Delivery confirmation)

Virtual X: MixMoveMatch IT



Manufacturers

Commerce



E-commerce



Logistic Service
Providers



Pick-up /
receive



Merge /
X-dock



Handle



Schedule /
notify delivery



Deliver



Return

Stores



individuals

What the public will deliver: City Logistics Triple P

1. Policy on sustainable logistics (SULP)
2. Procurement ; using purchase power
3. Promotion of the solution

Policy on sustainable logistics: SULP



- Explicit Sustainable Urban Logistics Policy
- Ambition towards zero emission logistics
- Energy neutral
- Traffic safety
- No noise

Public procurement; using purchase power



- Governments can use their purchase-power to make their own supplies zero emission and energy neutral
- Not only the lowest price counts, environmental impact counts as well
- Plus points in tender for making use of sustainable goods and supply

Promotion and publicity

- Governments can promote the solution while at the same time maintain the level playing field that is needed to balance interests;
- The alderman can play her/his symbolic role: opening acts, presentations at conferences;
- The local government can use social media to seek publicity for the solution (use twitter, instagram, apply for awards etc.);
- Give the floor to the solution on conferences, workshops.

One or two questions?

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