

# ST4W Multimodal Urban Day Brussels : 28th October 2021

## Program

**14:00:** Welcome by **Port of Brussels**

**14:10:** Introduction ST4W by **Multitel**

**14:30:** "A journey towards sustainable business management" by **BDO**

**14:50:** "Cities on board: solutions to integrate inland waterway and urban freight transport" by **POLIS**

**15:10:** Q&A

**15:20:** Presentation "Brussels Construction Consolidation Center" by **Shipit Multimodal Logistics**

**15:40:** Presentation "Cycle Logistics" by **Urbike**

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14:00: **Welcome by Port of Brussels**

## MULTIMODAL URBAN DAY BRUSSELS



28/10/2021

# ST4W – MULTIMODAL URBAN DAYS

GOAL



Better connect inland waterway transport with last-mile urban logistics through innovative solutions.

5 CITIES



Liège, Lille, Brussels, Paris & Ghent



Port of Brussels



TEN-T CORE PORT



3 CORRIDORS:

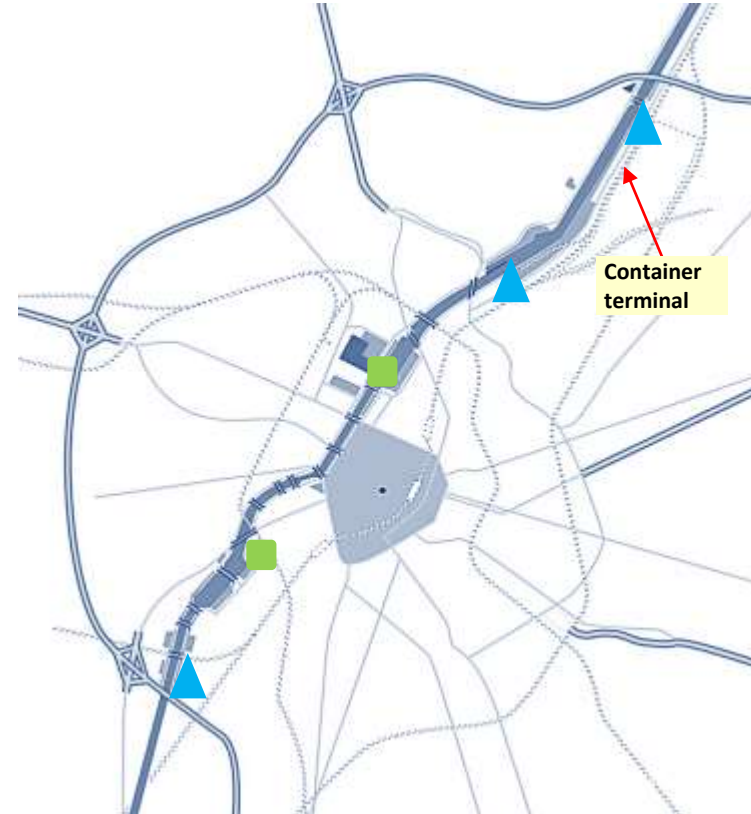
- North-Sea-Baltic
- North-Sea-Mediterranean
- Rhine-Alpine



# URBAN TRANSHIPMENT CENTRES AND POINTS NETWORK - PROJECT

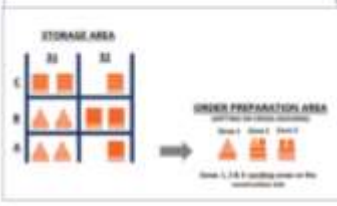
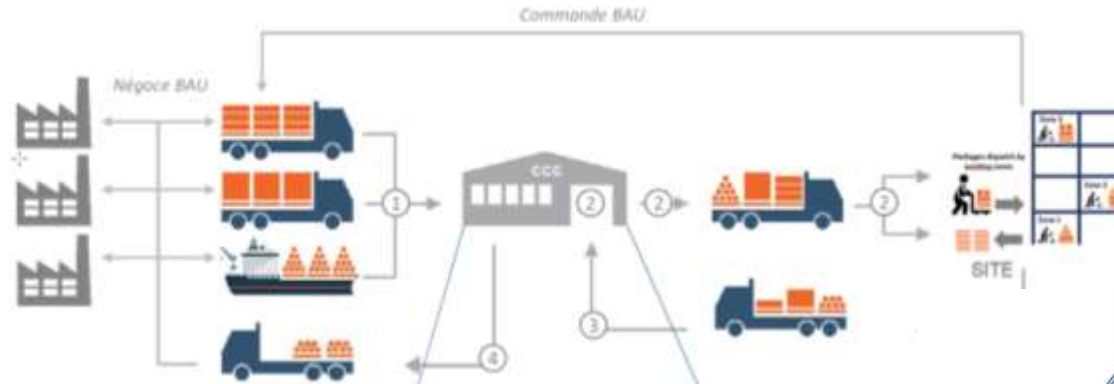
GOAL: Create a network of transshipment hubs along the waterway to serve the Brussels region in a sustainable and economically viable manner.

2 kind of transshipment points:

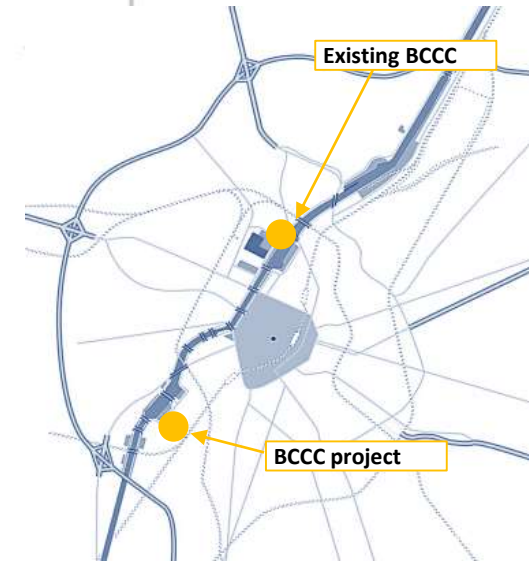


# SUPPLY – CONSTRUCTION MATERIALS, FINISHING & EQUIPMENTS

## BCCC (BRUSSELS CONSTRUCTION CONSOLIDATION CENTRE)



© BCCC- Shipit



# TRAFICS FIRST HALF 2021

January – June	2021	2020	Δ21-20
Brussels transshipment	2.720.189	2.400.811	+13%
Transit	926.951	878.806	+5%
<b>Total</b>	<b>3.647.140</b>	<b>3.279.617</b>	<b>+11%</b>



- 340.000 lorries less on the roads of Brussels
- 53.000 tonnes CO<sub>2</sub> less
- 13 million euros saved in external costs

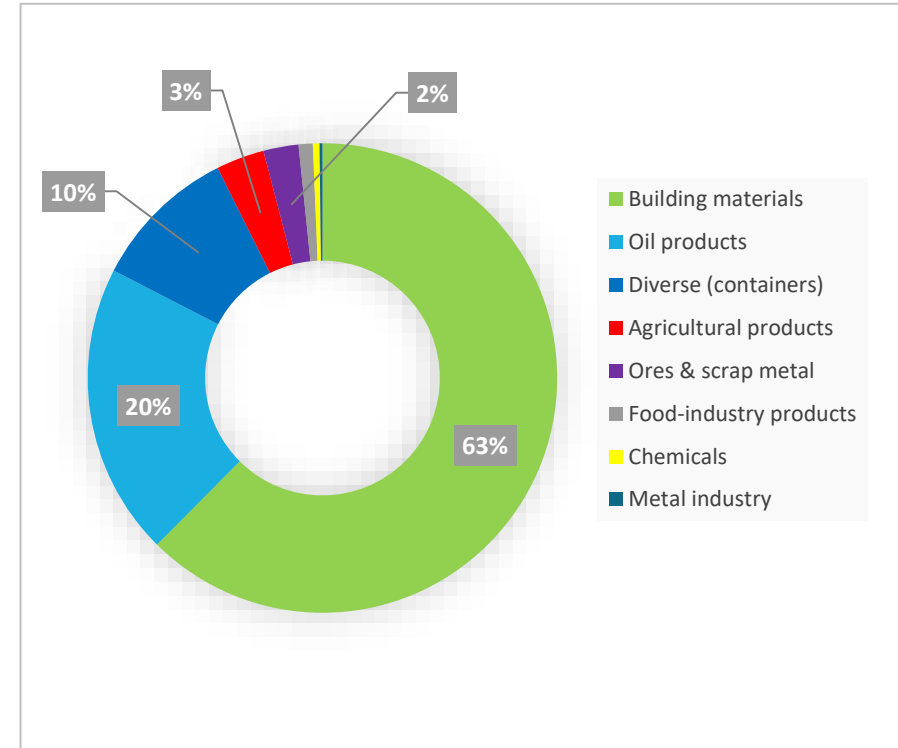


# TRAFFIC BY CATEGORY OF GOODS - JANUARY/JUNE 2021

## Traffic goods evolution (in thousands of tons)

	2021	2020	Δ21-20
Building materials	1.698.628	1.471.496	+15%
Oil products	547.348	536.125	+2%
Diverse (containers)	273.814	207.487	+32%
Agricultural products	90.294	94.677	-5%
Ores & scrap metal	65.794	34.491	+91%
Food-industry products	26.490	44.132	-40%
Metal-industry products	12.424	10.885	+14%
Chemicals	5.397	1.518	+256%
<b>Brussels transhipments</b>	<b>2.720.189</b>	<b>2.400.811</b>	<b>+13%</b>

**75% of the increase in building materials  
is due to the import of sand**



# PALLETS TRANSSHIPMENTS IN BRUSSELS

## A great increase in traffic diversification

Pallets traffic and racks*			
	2020	2019	Δ 20-19
Volume (x 1.000 t)	24,8	18,7	33%
Quantity (# units)	16.563	15.045	10%

*\* New type of container used in 2020 for the transport of concrete slabs used as noise protection panels*



# THANK YOU FOR YOUR ATTENTION

Follow us on:



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# Smart Track 4 Waterway

*Smart Tracking Data Network  
for Shipment by Inland Waterway*

*Modal shift to waterway fostered  
by hierarchical tracking*

# An European consortium

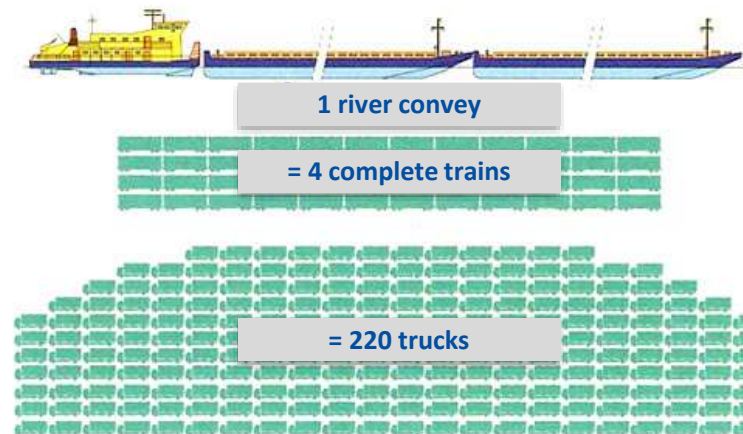
## Partners

## Other participants



## IWT predominantly used by large companies for bulk & big volumes:

- ⇒ Used to a small extent by SMEs
- ⇒ Used to a very small extent for palletized freight.



Source:

## Pallets take the boat !

### Palletized freight is generally carried by road:

- ⇒ In small volumes
- ⇒ Directly from point A to point B

### Main impediments to modal shift from road to waterway:

- ⇒ IWT needs:
  - additional transshipment operations
  - bundling of several small volumes
  - more complex logistics engineering
  - more administrative burden
  - adapted vehicles and infrastructures for pallet handling





## Hierarchical tracking data exchange platform:

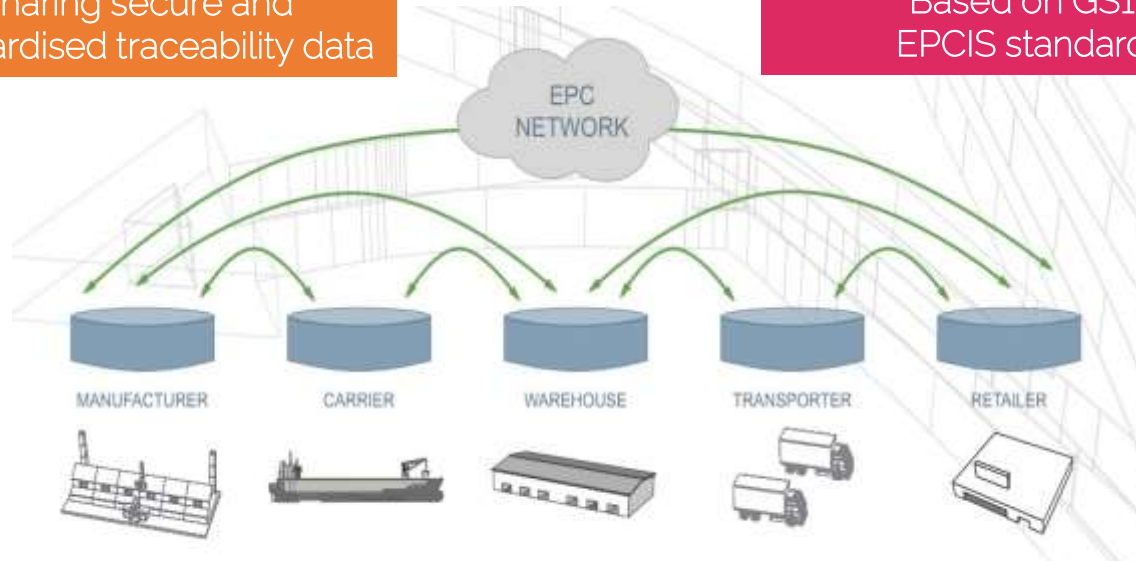
- ⇒ **linking tracking data from fragmented sources:**
  - vessels & trucks geo-localization
  - last known location of logistics units (pallets ...)
  - successive cargo tracking in multimodal environment:
    - what pallet in what vessel, in what truck?
  
- ⇒ **sharing standardized & secure information:**
  - where everyone is master of his own data
  - and shares it only with chosen partners
  
- ⇒ **proposing real time follow-up of shipment:**
  - end to end seamless visibility
  - synchronization between logistics & IWT actors
  
- ⇒ **tackling modal shift impediments:**
  - multi-stop & multi-client vessels



# Sharing standardized & secure information

Sharing secure and  
standardised traceability data

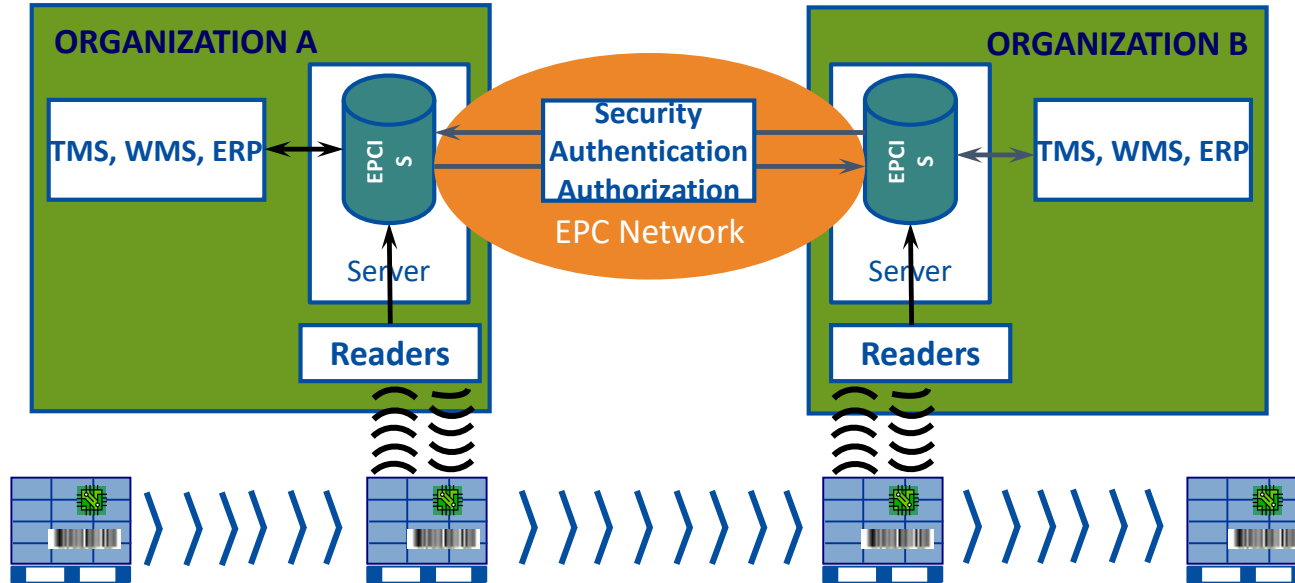
Based on GS1  
EPCIS standard



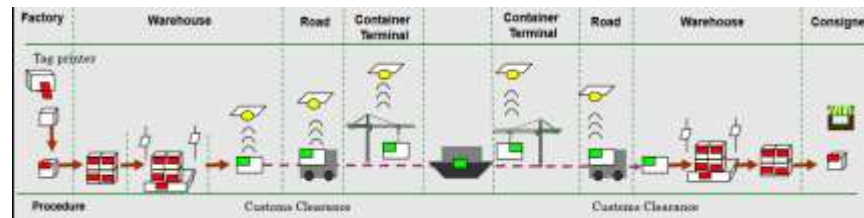
Captured and published

Between supply chain  
partners

# Sharing standardized & secure information

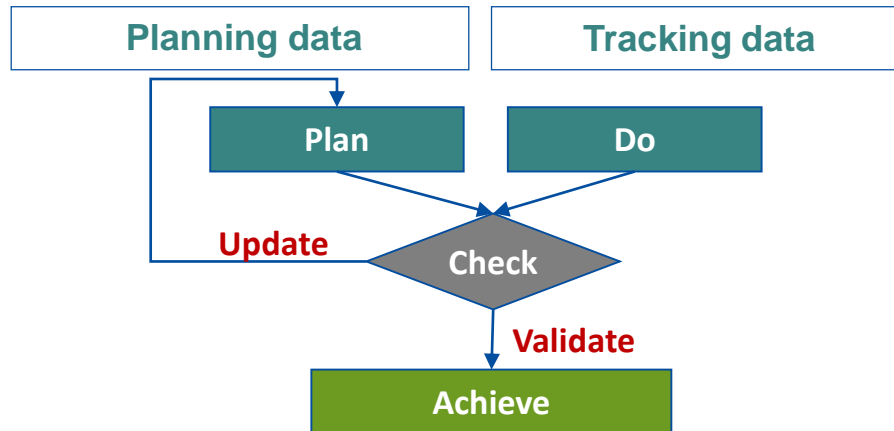


Tagged Units Moving Through the Supply Chain



# Proposing real-time follow-up of shipment

- ⇒ Automatic update of logistics unit status (pallet, container ...)
- ⇒ Automatic alert in the case of delay or loading the wrong logistics unit
- ⇒ Real-time update of ETA (Estimated Time of Arrival) of each logistics unit, throughout the multimodal supply chain
- ⇒ Electronic proof of delivery at each step







## Transports Instruction View

From ::

Rue Wauters 152  
 Seneffe - 7181  
 BE  
 urn:itop:sgln:L42501561.020

To ::

Quai de Biestebroeck, 90  
 Anderlecht - 1070  
 BE  
 urn:itop:sgln:L42501561.021

Date Create 	Class Content 	Direction 	Edi Status 
09/10/2019 18:11:48	TransportStatusNotificationMessageType	←	✓ DROPOFF
09/10/2019 18:11:17	TransportStatusNotificationMessageType	←	📦 ROUTING
09/10/2019 18:10:17	TransportStatusNotificationMessageType	←	📦 ROUTING
09/10/2019 18:09:53	TransportStatusNotificationMessageType	←	⚙️ PICKUP
09/10/2019 18:09:01	TransportInstructionResponseMessageType	←	✓ ACCEPTED
09/10/2019 18:08:43	TransportInstructionMessageType	➤	📧 SENT

# Belgian pilot

⇒ Construction materials:

- Tests with Shipit & Knauf, BLL & Roosens,
  - 29 vessels voyages have been done
  - Including 2 multi-stop voyages
- 49 other miscellaneous voyages (figures as of 30/06/21)



interreg  
North-West Europe  
ST4W

Home > Transports > Transport Detail

Dashboard

Transports

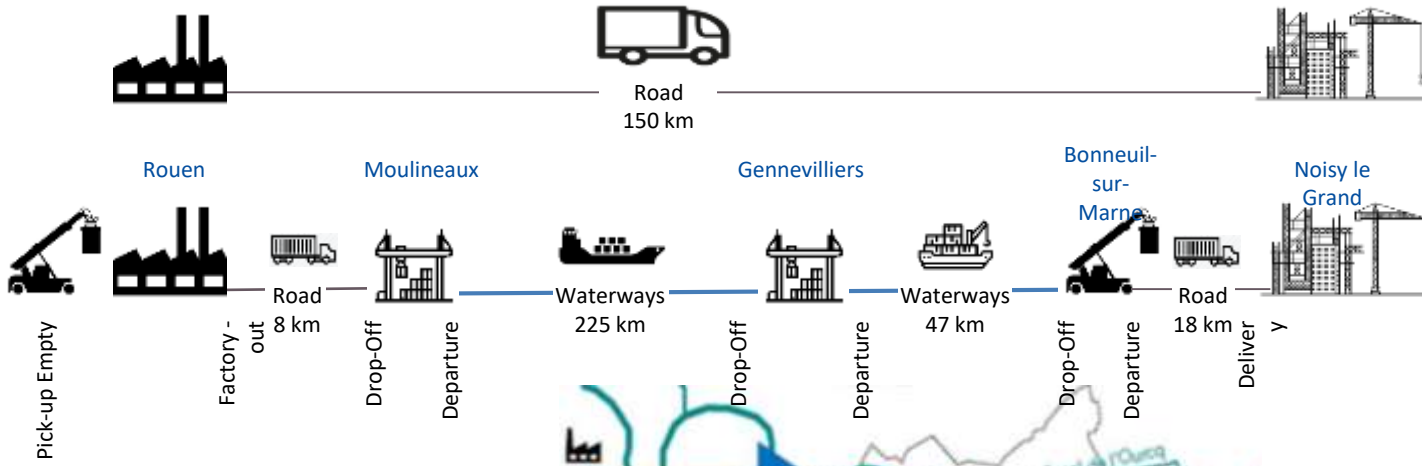
### Transports Instruction View

From ::  
Rue Wauters 152  
Seneffe - 7181  
BE  
urn:ship:sgt-L429E1581.E21.0

To ::  
SE, Quai de Beatastruck  
Antwerp - 1070  
BE  
urn:ship:sgt-L429E1581.E21.0

Date Create	Class Content	Direction	Est Status
12/02/2020 10:28:00	TransportInstructionInstructionMessageType	←	POUPE
12/02/2020 08:28:16	TransportInstructionResponseMessageType	←	ACCEPTED
16/02/2020 17:38:02	TransportInstructionMessageType	→	SENT

# French pilot - Scenario







Moulineaux



Gennevilliers



Bonneuil



Noisy le Grand





# better connect IWT with multimodal last-mile logistics

## Digital interconnection: ST4W tool for synchronisation

- Data exchange between IWT and urban logistics tracking systems
- Resource booking shared planning
- Management of multi-products & multi-clients operations

## Physical interconnection: Innovative vessels and transshipment

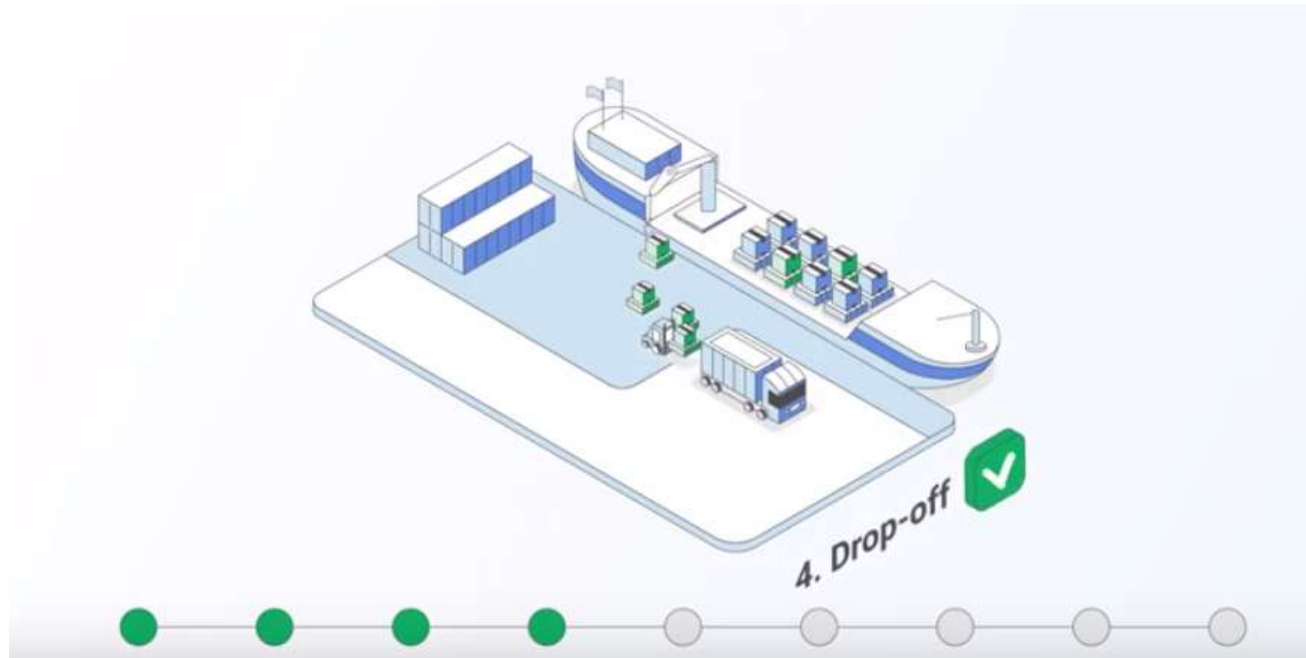
- FlexiMalle
- GreenWave
- Zulu
- Oorderdam



## Key components



## Video : project overview



<https://www.youtube.com/watch?v=LJZn39kqOh0>

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14:30: **"A journey towards sustainable business management"**  
by **BDO**

A hand is shown holding a clear glass globe. A small, vibrant green tree with dense foliage is growing out of the top of the globe. The background is a soft, out-of-focus green, suggesting a natural setting. The overall image conveys a message of environmental care and sustainability.

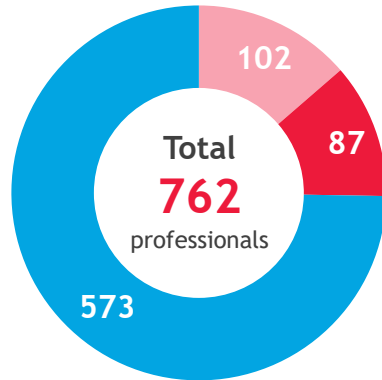
# SUSTAINABILITY TRENDS

10/2021,

Tessy Martens - BDO Belgium

# BDO Belgium

2021

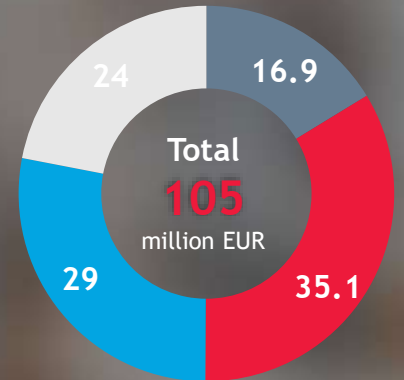
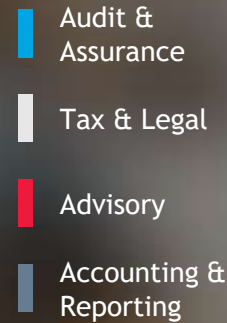


Retention staff  
**82%**

Gender balance staff



## Our business practices



\*In millions





# Sustainability

A GROWING  
IMPERATIVE

VALUE  
CREATION

REWIRING  
THE ECONOMY

BEST  
PRACTICES





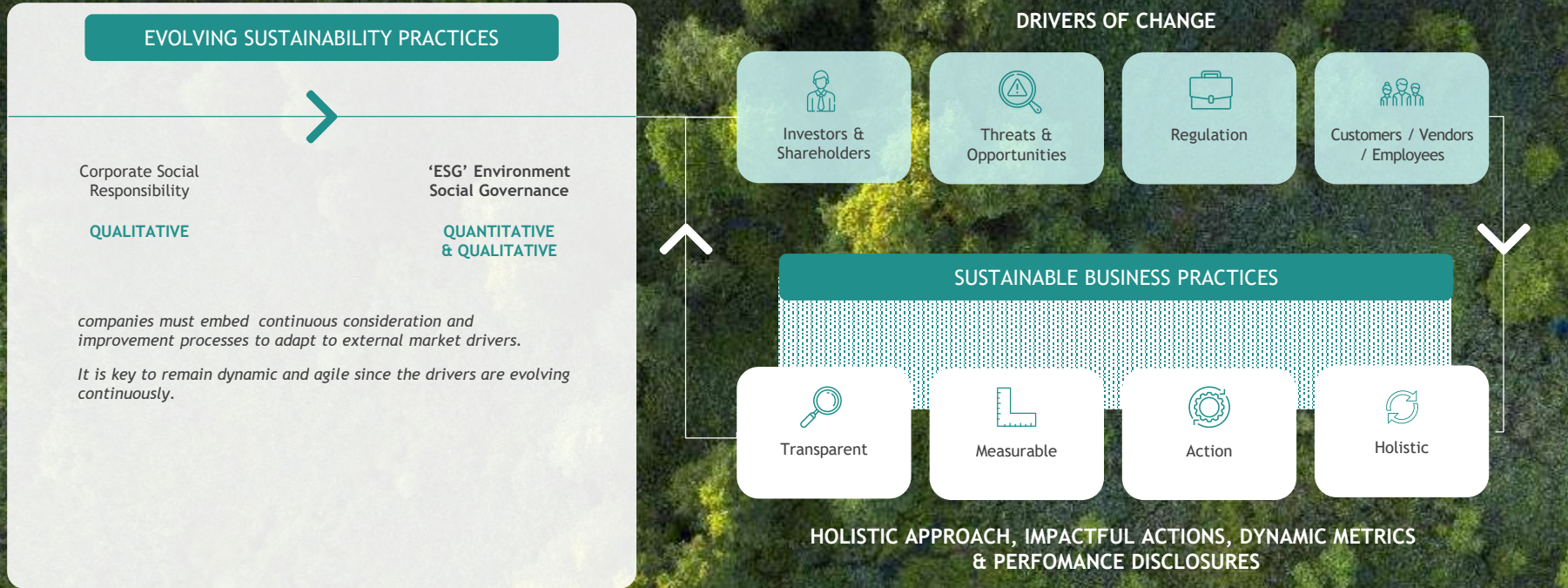
BB *Development that meets the needs of the present without compromising the ability of future generations to meet their own needs'. 99*

*Brundlandt, 1987*





# I. Sustainability - a growing imperative



# I. Sustainability - a growing imperative

**E**

**S**

**G**

## Environmental

## Social

## Governance

Environmental				Social				Governance		
Climate change	Natural Resources	Pollution & Waste	Environmental Opportunity	Human Capital	Product Liability	Stakeholder Mngt	Social Opportunity	Corporate Governance	Corporate Behaviour	Corporate Alliances
Carbon Emission	Water Stress	Toxic Emission & Waste	Clean Tech	Workforce management	Product Safety & Quality	Controversial sourcing	Access to communication	Board Quality	Business Ethics	Stakeholder engagement
Product Footprint	Biodiversity & Landuse	Packing Material & Waste	Green Building	Wellbeing	Financial Product Safety	Supplier mngt	Access to finance	Board Diversity	Corruption & instability	ESG Alliances
Financial impact	Raw Material	Electronic Waste	Renewable Energy	Diversity & Inclusion	Responsible Investment		Access to healthcare	Susta Ownership	Tax transparency	
Climate Change Vulnerability				Human & Safety	Chemical safety		Nutrition & Health	Executive pay	Anti-competitive practises	
				Human capital development	Privacy & Data Security			Accounting/ Transparency	Financial system instability	
				Supply chain labour standards	Health & demo risk			Cyber Security		



# Non financial reporting

E

## Environmental

- ▶ Carbon and other greenhouse gas emissions
- ▶ Production and office waste management and recycling systems
- ▶ Natural resource use, such as water and paper
- ▶ Pollution (noise, dust, particles)

S

## Social

- ▶ Diversity, equity and inclusivity policies and practices
- ▶ Employee wellbeing and mental health support programs
- ▶ Flexible working opportunities and arrangements
- ▶ Talent retention and attraction strategies
- ▶ Digital upskilling of employees

G

## Governance

- ▶ Board structure, ESG knowledge and diversity criteria
- ▶ Risk management practices including material environmental and social issues
- ▶ Tax strategy
- ▶ Execute remuneration policy including any ESG based KPI's
- ▶ Supply chain management, including consideration of ESG



## II. Sustainability value creation



### ACCESS TO CAPITAL

*Improve access to credit and the ability to attract investments.*



### OPPORTUNITIES

*Increasing profitability and stakeholder value.*



### RESILIENCE

*Mitigate and manage non-financial risks effectively*



### REGULATORY COMPLIANCE

*Being prepared for a changing regulatory landscape*



### THRIVE IN THE ECOSYSTEM

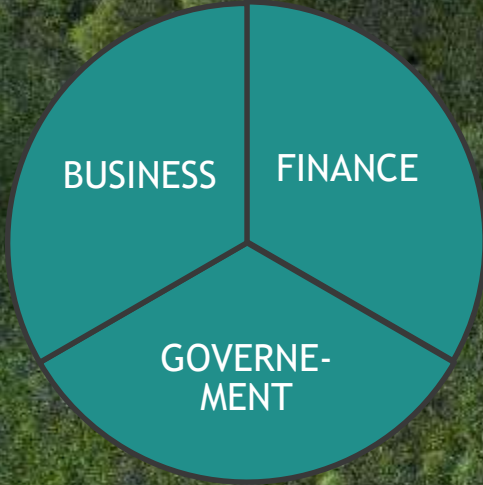
*Being part of sustainable partnerships with suppliers, customers and other business partners*



### COMPANY CULTURE

*Increase employee engagement and triumph in the war for talent by being more sustainable*

# III. REWIRING THE ECONOMY





# POLICY APPROACHES & INSTRUMENTS

## MARKET BASED INSTRUMENTS

PRICE-BASED

UK: landfill tax  
EU: carbon border tax

RIGHT BASED

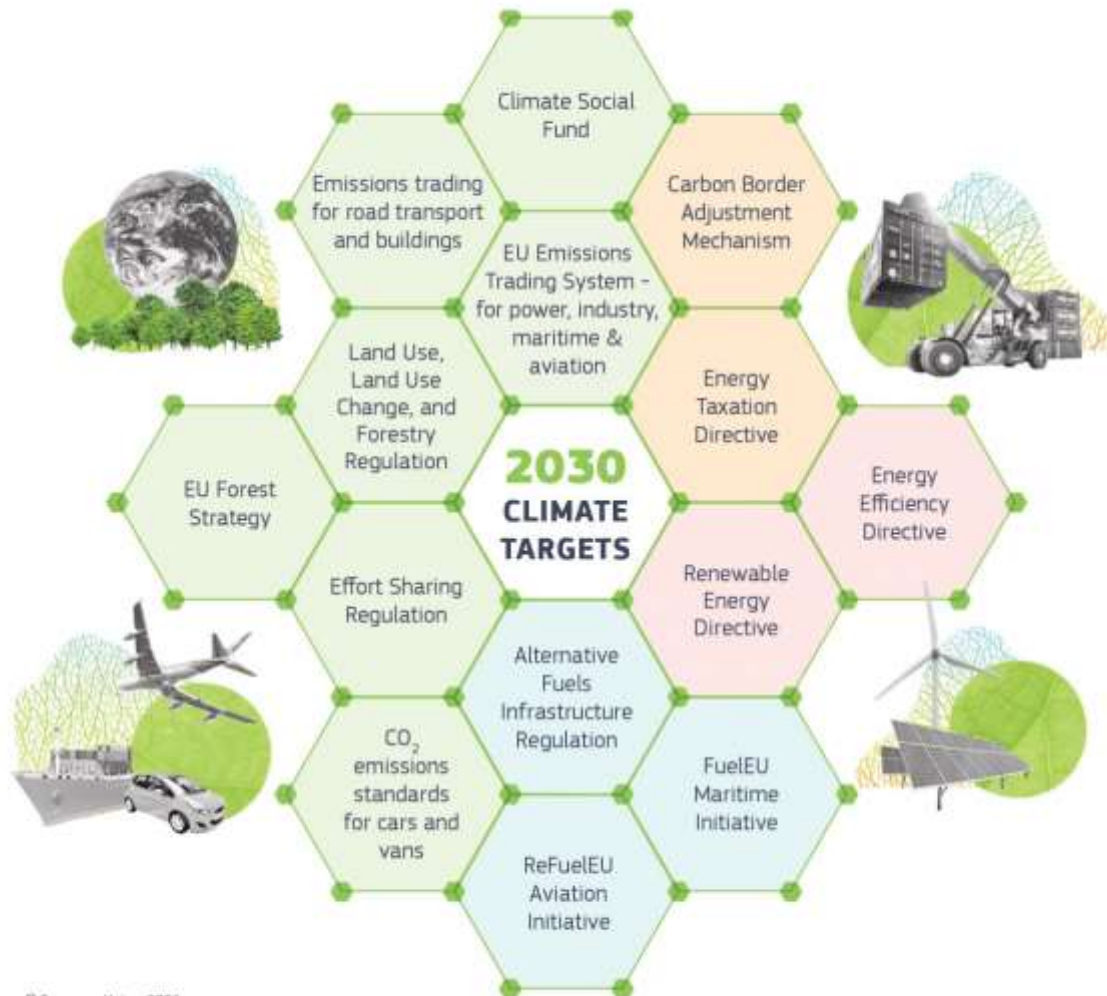
ETS (the EU emissions Trading Scheme)  
China, US (regional greenhouse ga initiative California's carbon cap-and-trade program)

MARKET-FRICTION

Product labelling  
Information disclosure  
Education programmes

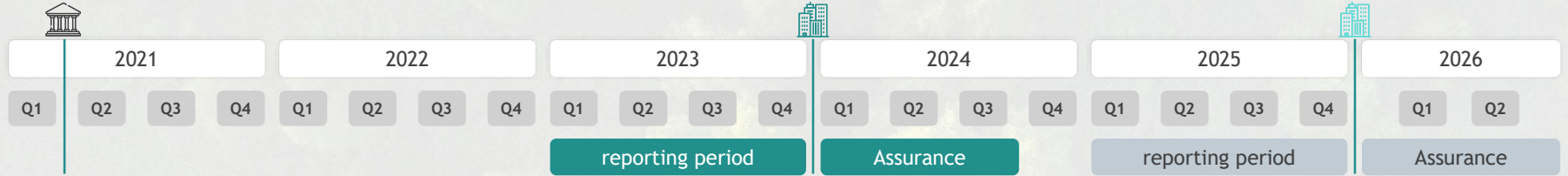
## COMMAND AND CONTROL

*Emission standards* (max discharge of pollutants per unit of output)  
*Technology standards*: specific pollution abatement technologies or production methods  
*Product standards*: defining the characteristics of the product -  
*Reporting requirements* \* (nxt slide)





# NON-FINANCIAL DISCLOSURE



TRANSPARENCY ON PERFORMANCE, THROUGH DISCLOSURE, ENABLING COMPARISONS, AVOIDING GREENWASHING



**SFDR: Sustainable Finance Disclosure Regulation**  
financial market participants  
 banks, insurers, asset managers and investment firms  
 ▶ *Obligation to disclose info on the ESG performance of their investments*

**NFRD: Non-Financial Reporting Directive (2014)**  
 Stock listed companies with +500 FTE

**CSRD: Corporate Sustainability Reporting Directive**  
 CSRD applicable for **all Stock listed (incl SME's) + large companies**  
 +250FTE -Balance Sheet EUR 20mio - Net Turnover EUR 40mio  
 ▶ *Binding Reporting standards (to be decided end 2022)*  
 ▶ *limited assurance*  
 ▶ *in digital and machine-readable format*  
 CSRD applicable for **all SME's**  
 From voluntary reporting Standards towards (1/2026: SME's)



KBC sends a clear signal: 'Companies without a sustainability strategy will find it more difficult to find financing' (1)

'Green is the new digital'. It is a statement that Johan Thijs likes to use. If it is up to on the KBC boss, all parts and levels of the Flemish bank-insurer must be permeated with the idea of sustainability. Consequently, KBC will be addressing all its corporate customers about their sustainability strategy. In this way, the bank wants to map the climate and ecological risks in its loan portfolio and help Belgian SMEs make the transition to an environmentally friendly economy.



The Documentation of Gender Equality is a Prerequisite For Further Collaboration (6)

"The largest bank in Norway recently terminated their business contract with one of the most respected law firms because they could not document nor prove a positive change in gender equality amongst their equity partners."



Blackrock Stakes Claim on Sustainable Investing Revolution (4)

"BlackRock intends to become a global leader in "sustainable investing", says Larry Fink. The world's largest asset manager launched a range of exchange traded funds in the US and Europe that incorporate environmental, social and governance criteria. "Sustainable investing will be a core component for how everyone invests in the future"."





BUSINESS

Interface®

Carbon Neutral Floors™

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Hose System Solutions





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Let's build a sustainable future... Together.

**|BDO**

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# Cities on board –solutions to integrate inland waterway and urban freight transport

*Balazs Nemeth, POLIS Network*

*Urban Multimodal Days – 28 October 2021*





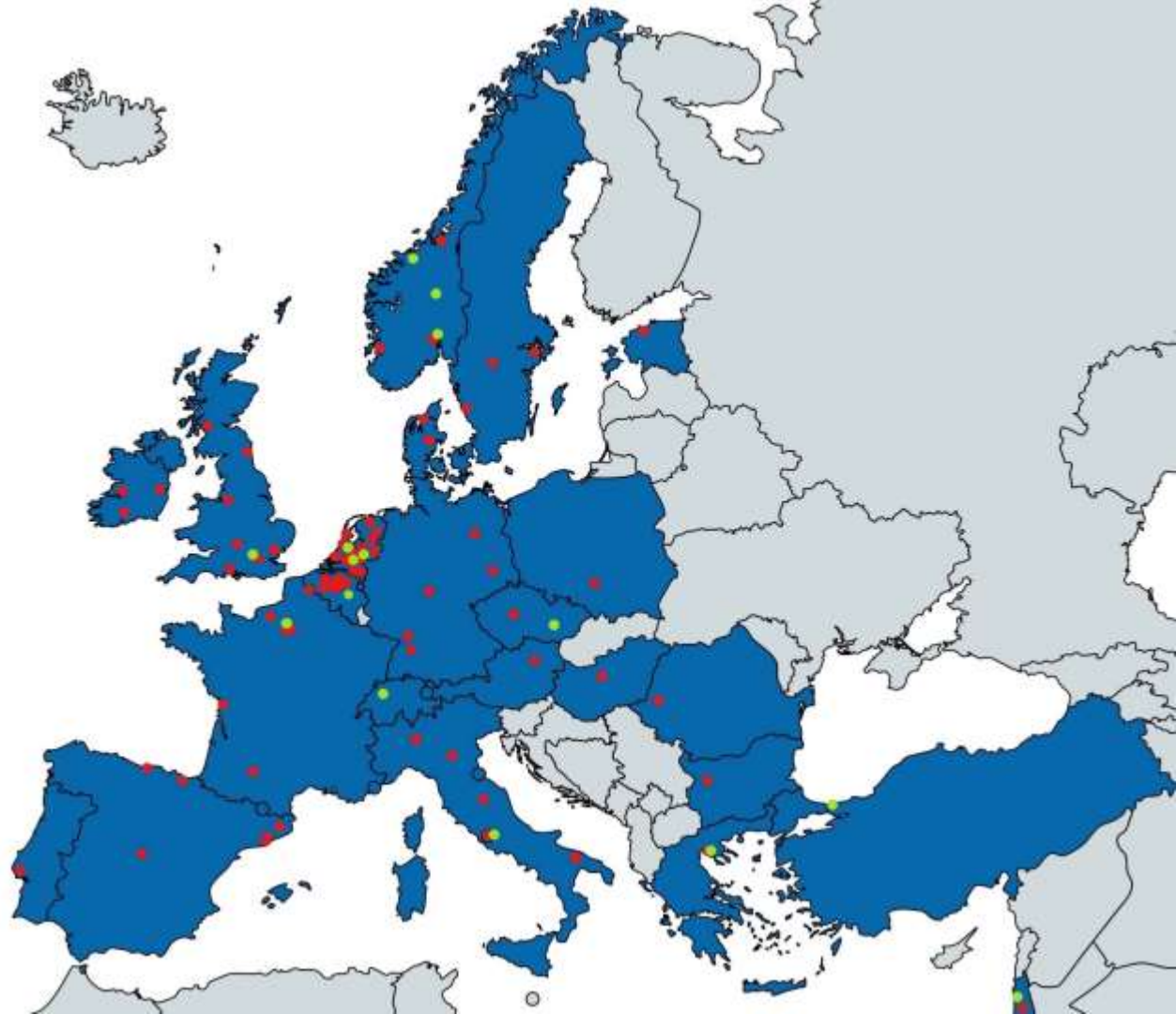
# POLIS members



**Full members**

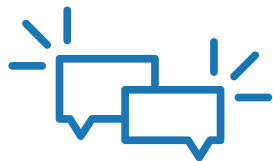


**Associated members**





## Activities



**Working Groups**



**Research  
projects**



**Policy &  
Advocacy**



## Urban Freight Working Group Priority topics for 2022



- **POLIS-ALICE joint position paper:** webinar series on the priorities identified by members (see recommendations to be published in Dec 2022)
- **Zero-emission zones for freight:** update of How-to Guide, capitalize on SURF project (e-course, instant projects)
- **Rethink the space** for urban logistics movements and operations:
  - Consolidation models: micro-hubs, parcel lockers, procurement
  - Dynamic street and curbside management solutions for deliveries
  - 15-minutes concept: implications on urban logistics
- **Geofencing & other tools** to support enforcement of access and illegal parking
- **Leveraging data** to improve urban freight planning



## ST4W and cities



- Local and national authorities are facing major challenges related to the freight transport sector, concerning the **increasing greenhouse gas emissions**
- Urban freight and delivery is complex because of the **multiple actors responsible for the supply chain**
- Inland waterway freight in most cases arrives to distribution centers in the outskirts – **sustainable infrastructure** needs to be in place for clean and efficient delivery
- **Open data sharing and innovative track&trace services are supporting better handling between waterway and urban logistical services** - only if local authorities are involved in the planning process!



## Learnings from the past

The proximity to water means that waterways are already an available part of the infrastructure with the potential to be a solution for more sustainable city logistics.





From traffic  
management  
to urban  
space  
management





We have solutions, if we cooperate







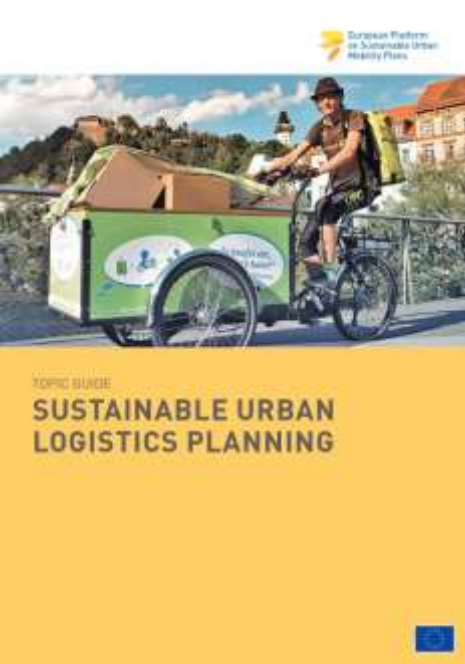
# Combination of inland waterway transport and sustainable city logistics

- The main drivers of this alternative mode of transport in city logistics are the associated **sustainability and large capacity** for transporting goods.
- **Space management** in cities have a crucial role to enable sustainable city logistics (and the connection between inland waterways and urban logistics)
- A properly implemented system has the potential **to substantially reduce air emissions, congestion and noise by reducing the number of trucks** on highways and in urban areas.
- Challenges that must be overcome relate to the **difficulties in competing** with existing road transport solutions .
- **Intermodal transport system** integrating sustainable urban freight solutions into the local mobility mix



## Final considerations

- **Define a vision** (including freight)
- **Understand interests and concerns** of different stakeholders
- **Enable collaboration** to devise effective rules and incentives
- Develop innovative methods and incentives for **data & information sharing**
- **Rewards vs restrictions** (but regulation needed)
- **Avoid - shift - improve**
- **Align policies** across different levels of government and neighbours



ZERO ZONES FOR FREIGHT WEBINAR SERIES

## Positioning to Zero Emission Zones Zero Emission Freight in Low



European Commission  
Research and Innovation

**EcoLogistics**  
Low carbon freight for sustainable cities



## ICLEI EcoLogistics Self-Monitoring Tool User Guide Short Version

For urban freight transport emissions accounting

Version 2.0



ZLC

MIT Center for Urban Logistics

Smart Freight Centre

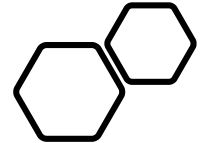
despacio

## Zero-Emission Zones in the City: Don't Wait to Start with Freight!



**Community is growing!**

**Cooperation is key!**





**Thanks for your  
attention!**

---

**Balázs Németh**

**Project Manager | Coordinator SMC  
Platform**

**POLIS | CITIES AND REGIONS FOR  
TRANSPORT INNOVATION**  
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**15:20: Presentation "Brussels Construction Consolidation Center" by Shipit Multimodal Logistics**



# Contributing to a “better” Brussels





SHIPIT

MULTIMODAL LOGISTICS



Since 2003

600 meter own quays

10 own ships

20 chartered ships

Bulk & Pallets: ca. 3 MIL TON/YR

SHIPIT  
MULTIMODAL LOGISTICS



---

Bulk & project :  
National  
International



---

Palletized cargo:  
Craneships  
Building materials &  
paper



---

Last mile:  
Urban logistics also  
for construction  
sites

# Most important **weekly flows** towards Brussels

Figuur 21. Aantal bestelwagens en vrachtwagens dat Brussel in- of uitrijdt op elke dag van de week (uitgezonderd autosnelwegen)

Bron: Liefheid & Malmgren, op basis van gegevens van Brussel Globalstar (2017)



Bestelwagens
  Vrachtwagens (incl. busse en autobas)
  Vrachtwagens met aanhangwagen
  Trekkers met oplegger
  Persoonswagens

# Plan

1

---

2

**BEST MILE =**

3

---

**NON DRIVEN MILE**

4

That's why we created:

the

**brussels  
construction  
consolidation  
center**

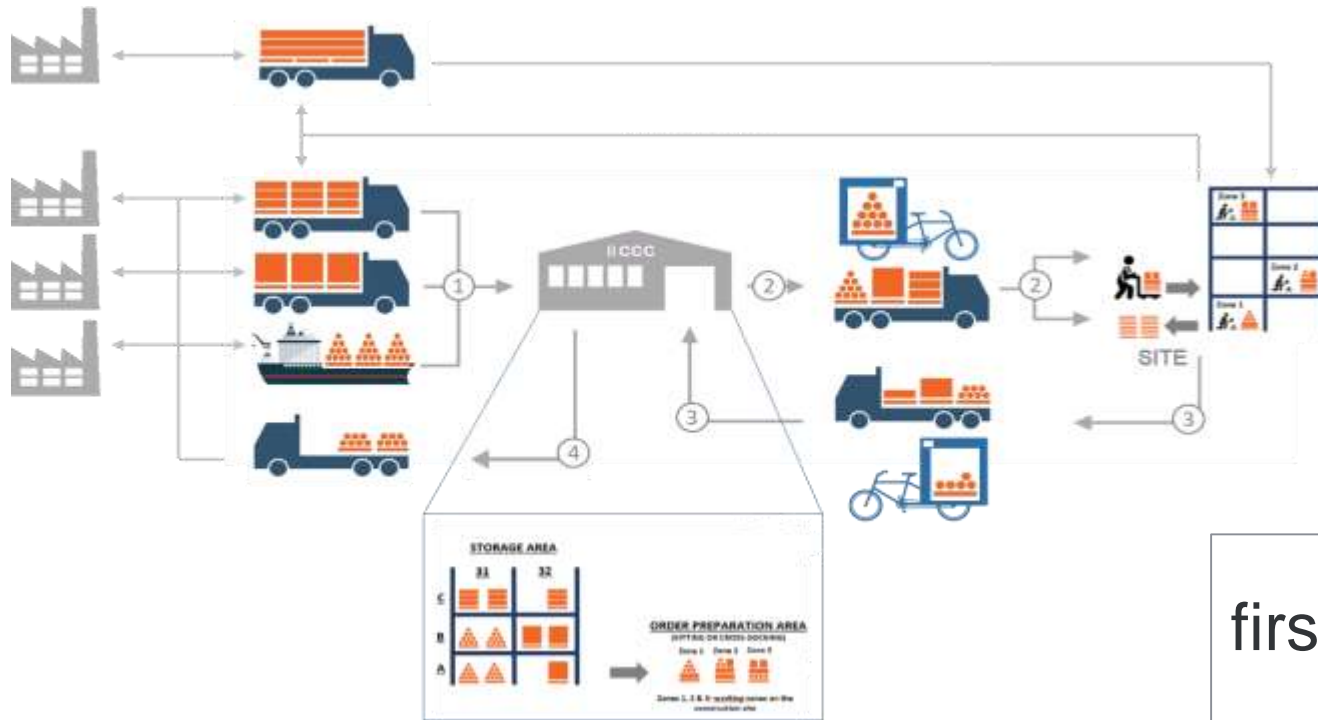




**Brussel N**  
**12,000 m<sup>2</sup>**

An aerial photograph of a construction site in Brussels, showing various buildings, a canal, and a large white 3D logo overlay. The logo consists of a stylized 'b' in yellow and 'ccc' in blue, all enclosed within a white, angular, 3D frame. The background shows a mix of modern and older buildings, some with solar panels on their roofs, and a canal in the foreground.

**bccc**



first FOCUS  
construction



Monthly delivery of some  
**1200 pallets** by Inland  
Water Way, **avoiding**  
**60 trucks** entering  
Brussels **each month**



1000 ton street tiles loaded in Ghent, **two days**  
**later** unloaded where we are NOW



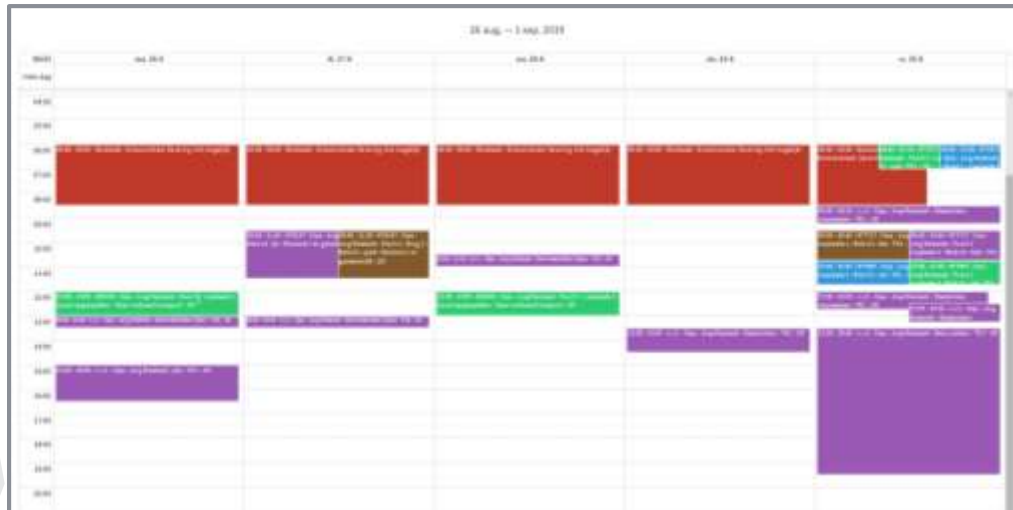
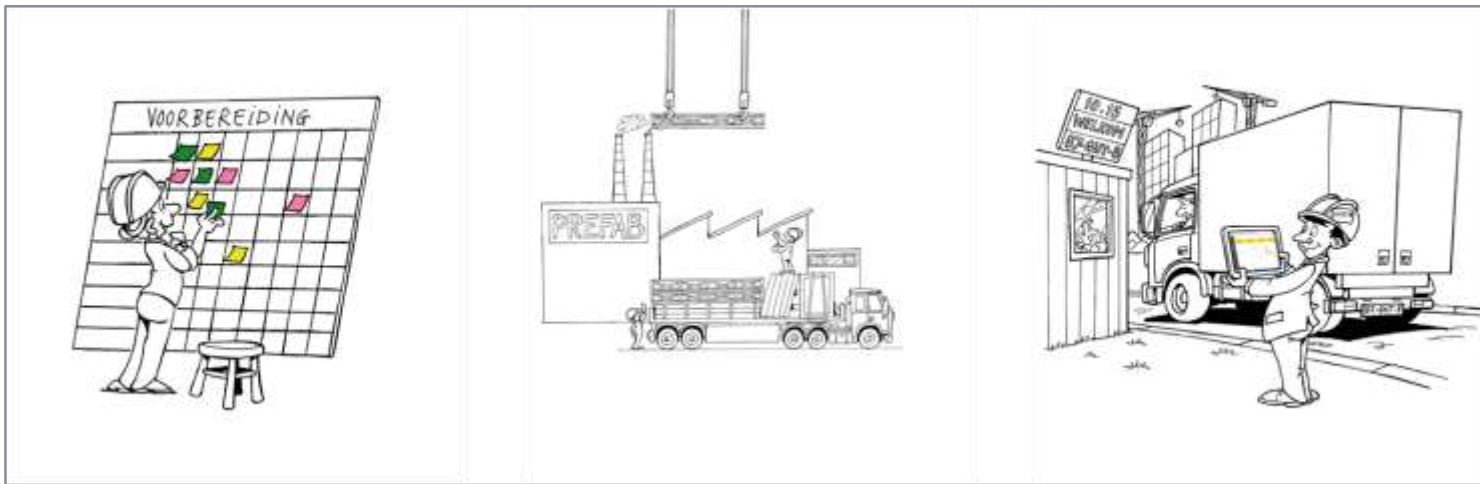
via water  
Into the very  
heart of the city

the **inside walls** for a large **Brussels site** were loaded in Wielsbeke & unloaded on the **BCCC**...

also the **outside walls, loaded in Burcht** were delivered with our craneship MS Oorderdam at the **BCCC**



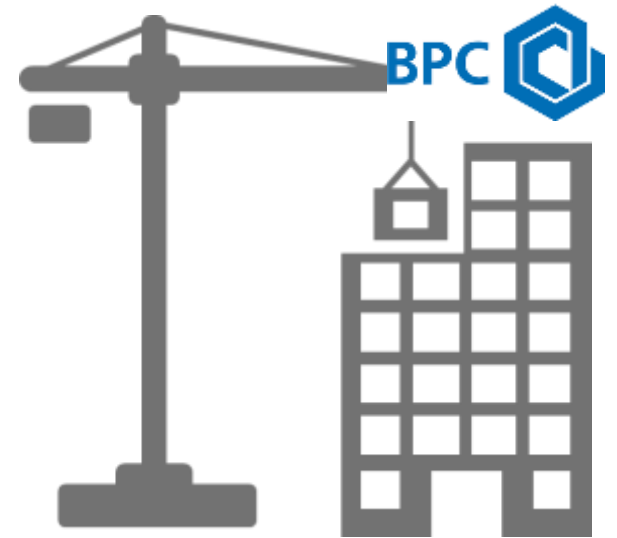
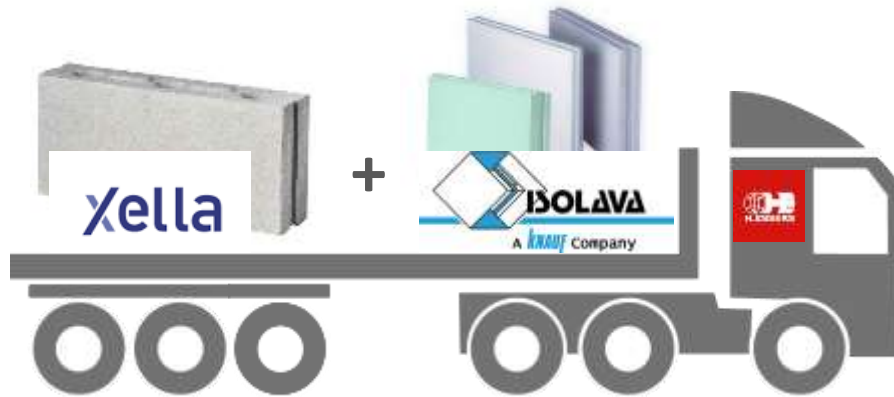




a well prepared  
planning

supported by a robust  
IT system

Out of the Brussels consolidation center we deliver consolidated and JIT **complete buildings** in the city center



## Some figures

Operational	27 months
Pallets delivered	25,000
Ships unloaded	30
Trucks & vans loaded	+ 2,500
Sites delivered	90
customers	13
trucks & vans, loaded for	+90%
Last mile with	26 ton trailers, vans & small vans



Park West, BPC



Commerce 46, VAN ROEY



Hotel Astoria, Herpain



today



Chancellerie, BPC

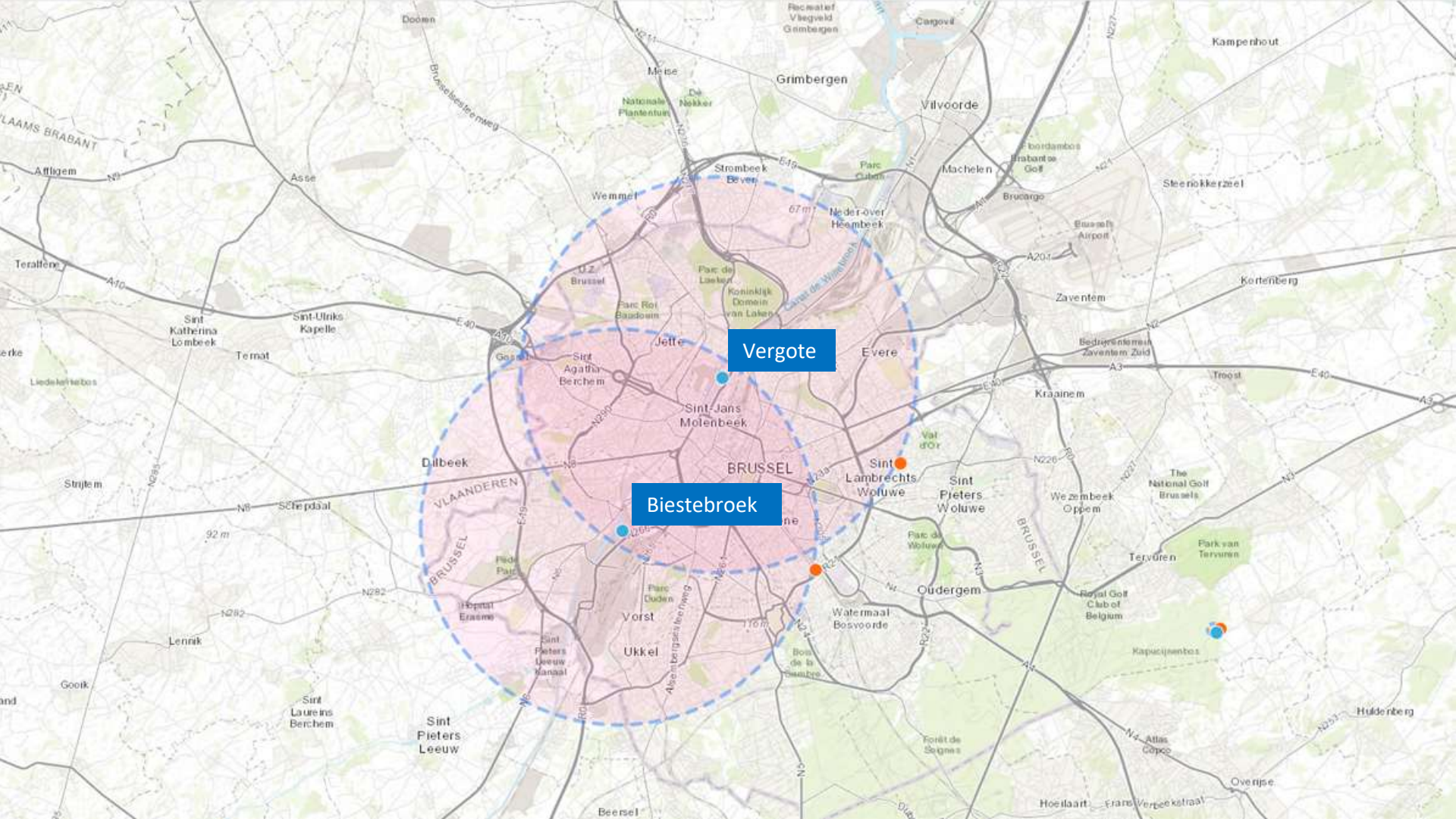


WTC - ZIN, Van Laere



tomorrow





Vergote

Biestebroek





01	S IMMO - "La Petite ile" (ANTENOR)	52851
02	Rivand	24331
03	Port de Bruxelles avec quais	22918
04	Association travail et vie	19531
05	Belgian Shell	15998
06	AMP	15631
07	Port de Bruxelles	13887
08	Roche	11952
09	Commune d'Anderlecht	11059
10	Vesdre Continental	8174
11	Cedric de Surgeres	7796
12	Pastoria & Mrs Was	7131
13	Immo ideal	5643
14	Papet Goodways	5271
15	Small Island Management	4849
16	Maison des Hussiers	4059
17	Lidl Belgium	3789
18	Ass. Pensions complémentaires BBL	3668
19	Régie des bâtiments - Gestion du patrimoine	2470
20	F. Veroortschap - Ring Motor	2099
21	Régie foncière	2097
22	SNCB Holding	1990
23	Gotex	1032
24	CAR 3000	518
25	SPF Finances	241





Biestebroek Urban Logistic hub:

A **logistics site** with water & road access

An answer to current and future **mobility challenges** in the South of Brussels

A **“smart city”** approach

A well balanced **social, economic and ecologic** symbiosis

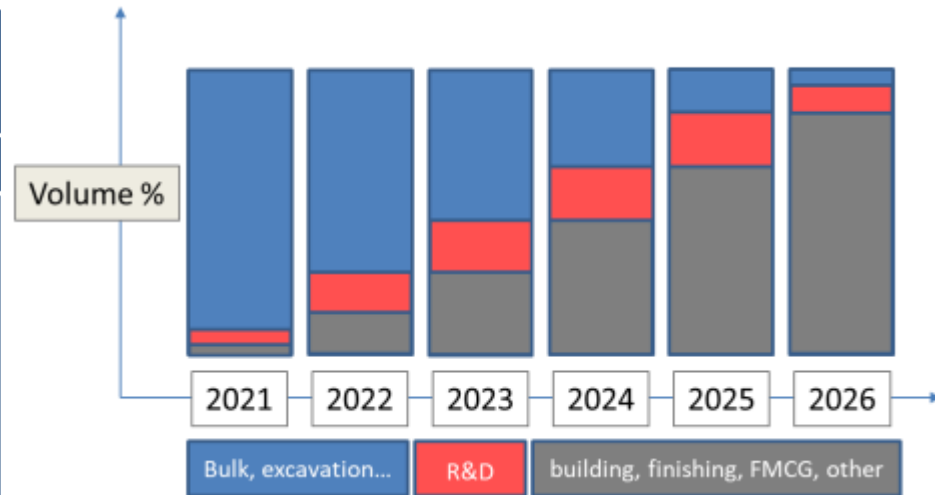
**Job** creation

**Sustainable** transport through **consolidation** and use of **waterways**

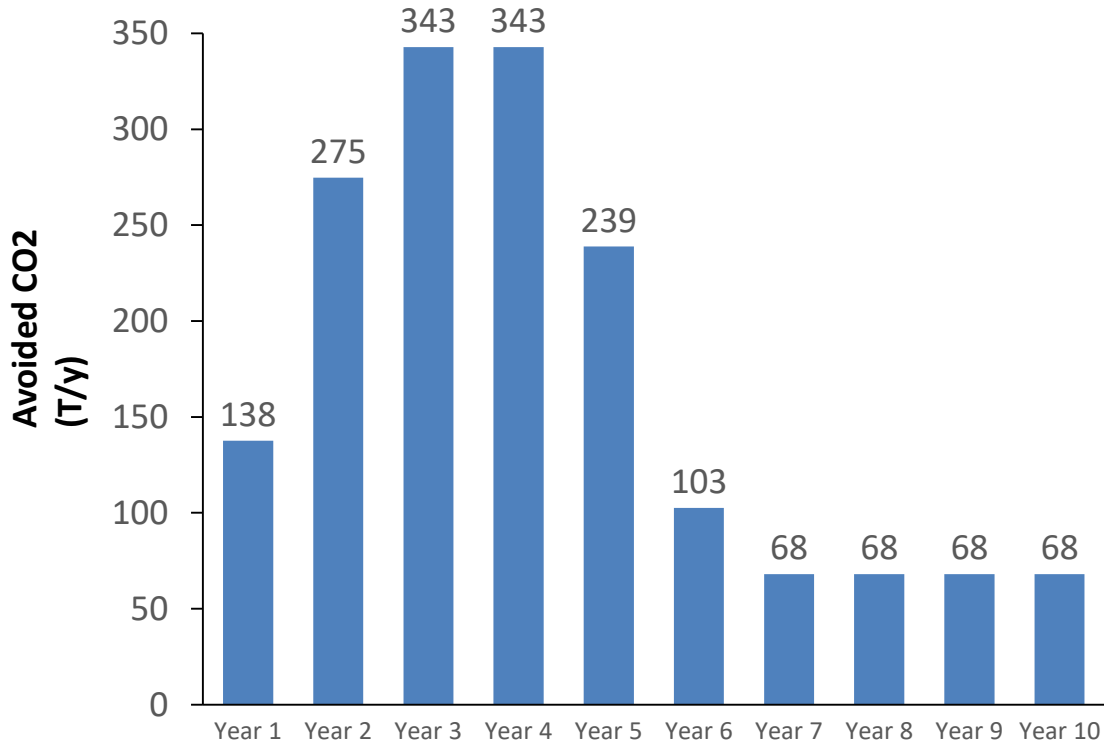
Short term **solutions** & long term **vision**

Phased and pragmatic deployment according to logistic needs of the Biestebroek district

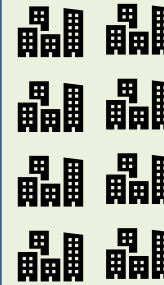
- 1 - Excavation + demolition
- 2 - Last mile for construction: BCCC
- 3 - Storage for construction materials  
- Storage & Distribution of FMCG  
- Reverse logistics for construction industry & paper / cardboard



1700 ton ! Carbon savings



Equivalent to yearly emission of **1400 mid sized personal vehicles** (120 gr/km 10.000 km)



Equivalent to yearly emission of gas heating of **1000 apartments** (850 m<sup>3</sup> - 8500 kWh / year)

CO2 volume avoided related to domain 1 &2 (construction), domain 3 still to be estimated and added to this graph (low case estimation)

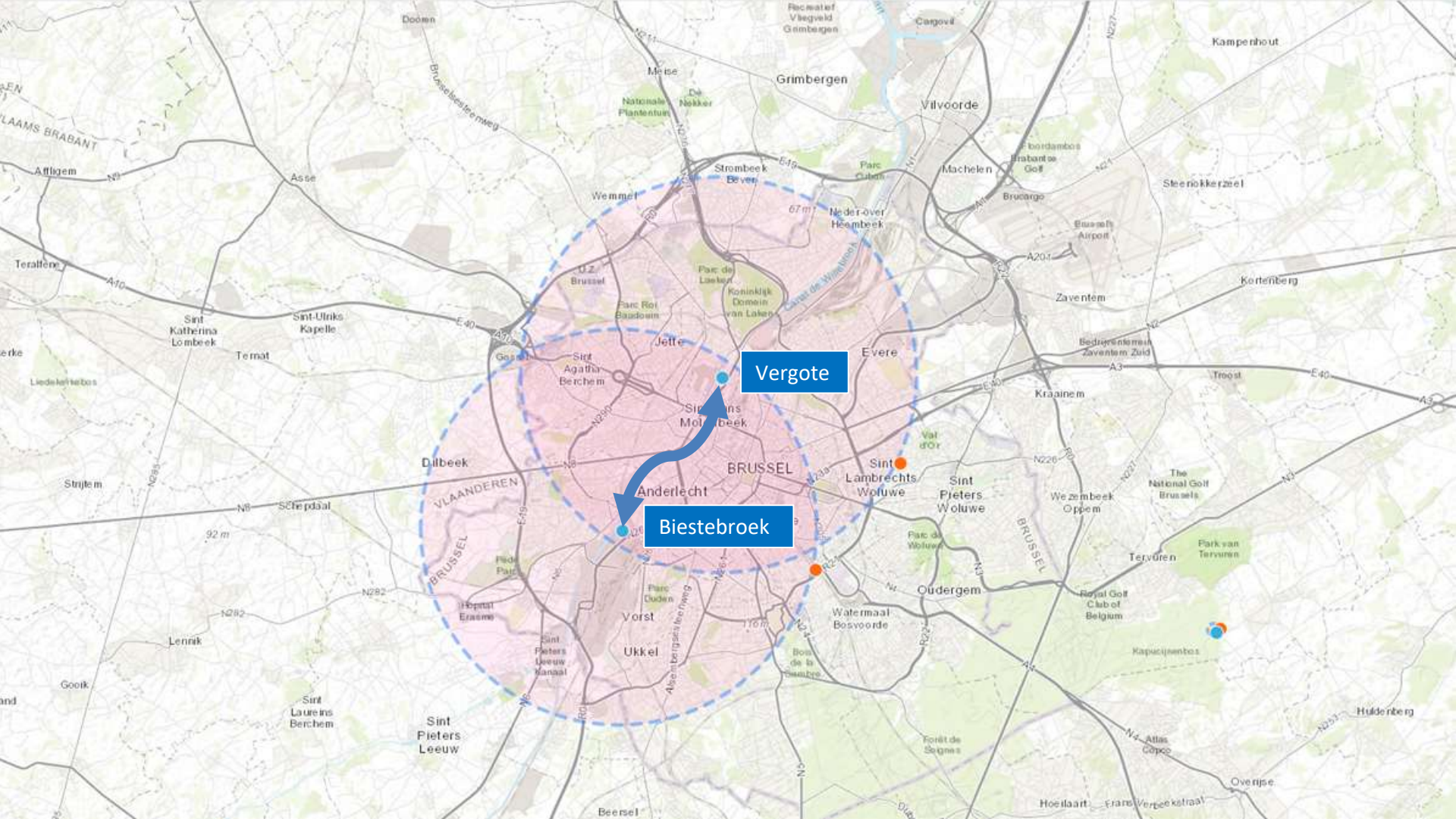




MOODBOARD





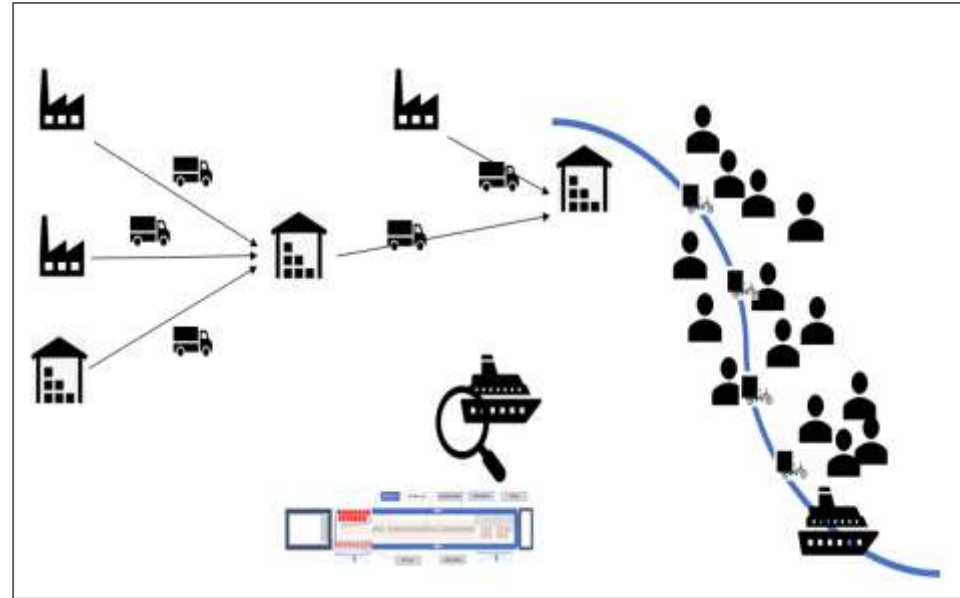
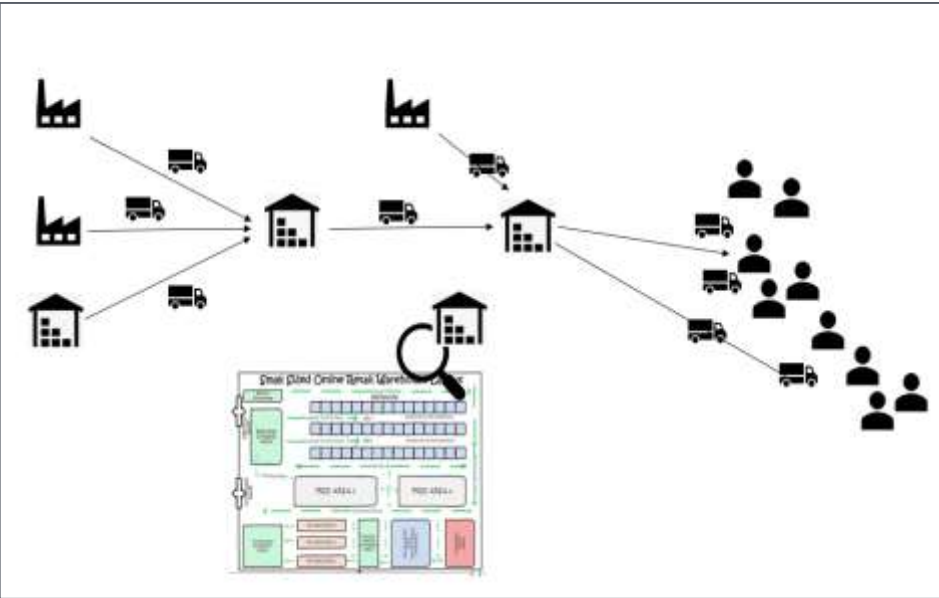


Vergote

Anderlecht

Biestebroek

# Connection Vergote - Biestebroek **via water**



# Imagine ....





Last year November 23, Shipit was elected as most “baanbrekende” logistics service provider





We love to design sustainable solutions, WITH YOU

# ST4W Multimodal Urban Day Brussels : 28th October 2021

## Program

**14:00:** Welcome by **Port of Brussels**

**14:10:** Introduction ST4W by **Multitel**

**14:30:** "A journey towards sustainable business management" by **BDO**

**14:50:** "Cities on board: solutions to integrate inland waterway and urban freight transport"  
by **POLIS**

**15:10:** Q&A

**15:20:** Presentation "Brussels Construction Consolidation Center" by **Shipit Multimodal Logistics**

**15:40: Presentation "Cycle Logistics" by Urbike**



**urbiQe**

**ST4W CAP CALL  
Multimodal Urban Day Brussels**

Brussels – 28.10.2021

# Imagine the city of tomorrow... sustainable and human

World Cities Summit 2018

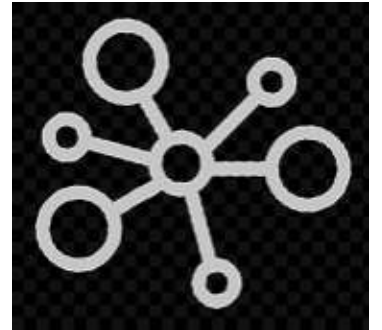
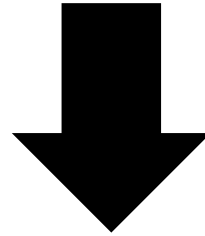
*Livable and Sustainable Cities: Embracing the Future through Innovation and Collaboration*







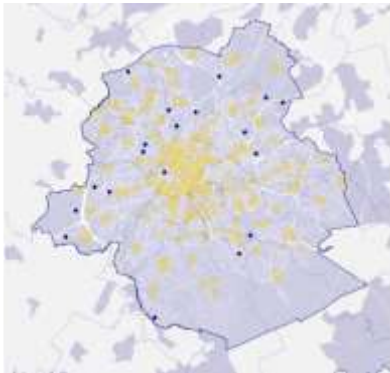
Transshipment



# In this context of transition, last-mile logistics must deal with two opposing effects...

Increasingly regulated  
access to cities

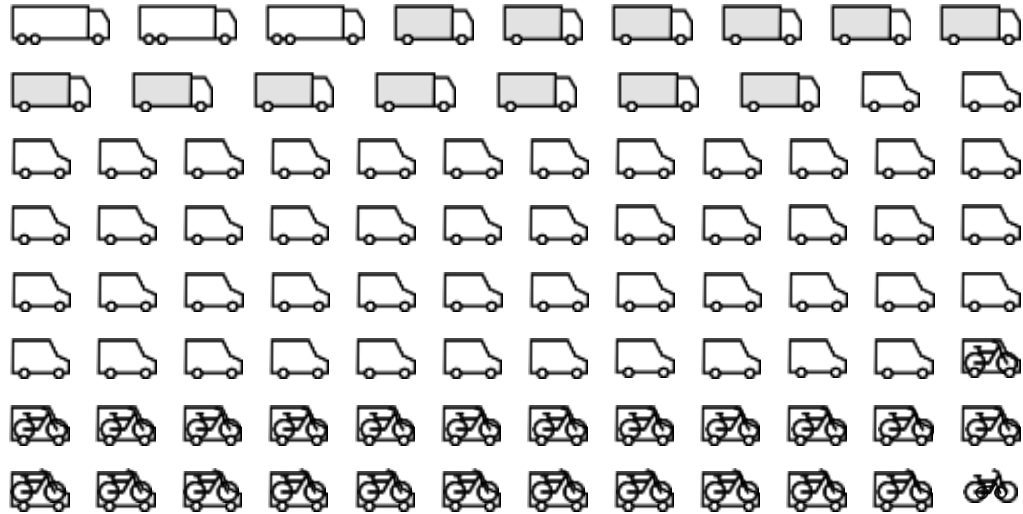
Increasingly numerous  
and complex flows  
of goods



Evolution of the share of B2C e-commerce  
in the turnover of retail trade in Belgium (2010-2020)



# In most major European cities - including Brussels, 1 in 4 deliveries could be made by bike



  
**< 0,1%**  
**25%**

Result from the European CycleLogistics study (2017)



BicyLift: a range of last-mile bicycle solutions (FlexiModal) - <https://www.youtube.com/watch?v=F9dw9gQJuxU>



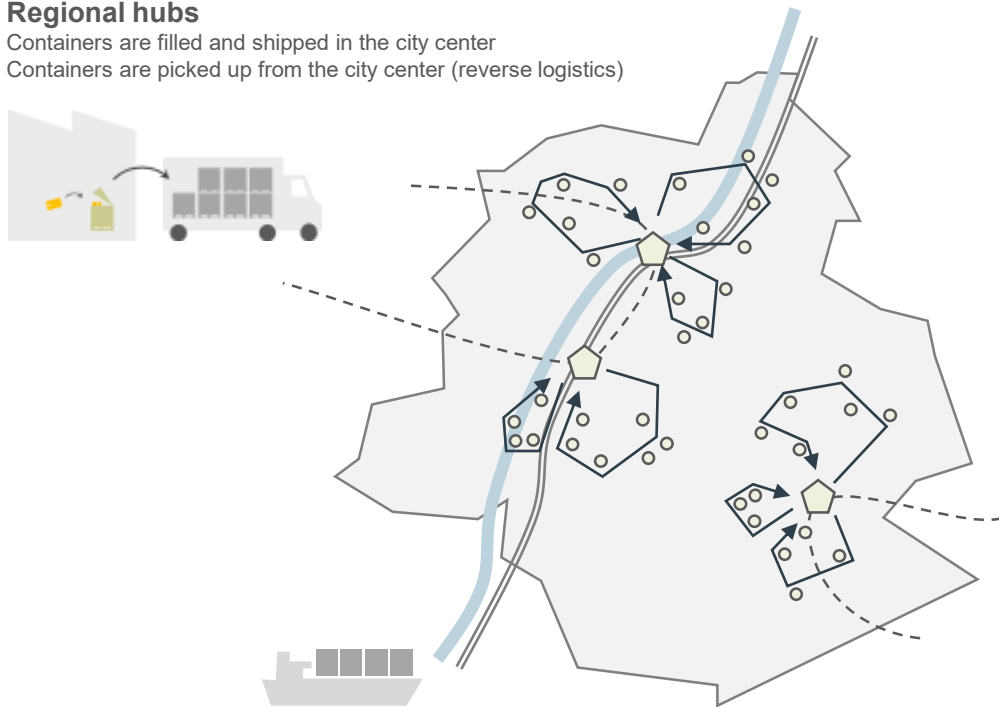
Our mission : transforming urban logistics to accelerate the transition to sustainable and humane cities



# Pillar 1 – The containerization of goods

## Regional hubs

Containers are filled and shipped in the city center  
Containers are picked up from the city center (reverse logistics)



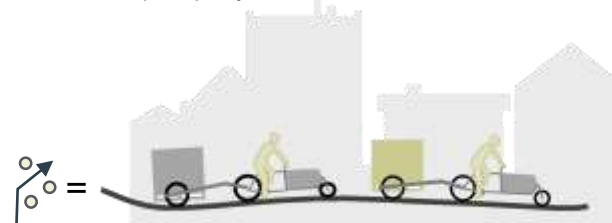
## City hubs (mobile or physical)

Containers are dropped in the delivery area



## Final destinations (first and last-mile)

Deliveries and pickups by bike



# Pillar 1 – Trailers and modules



## Pillar 2 – Optimized process & ICT





## Pillar 3 – A cooperative economic model of social economy



Our approach

A range of services and expertise to meet the challenges of city logistics



**DELIVERY**



**CONSULTANCY**



**SHOP**



**ACADEMY**





**20 k** parcels/month

**100 tons** of goods

**35** people  
in the team

**Strong** partners  
& customers

**Solid** reputation

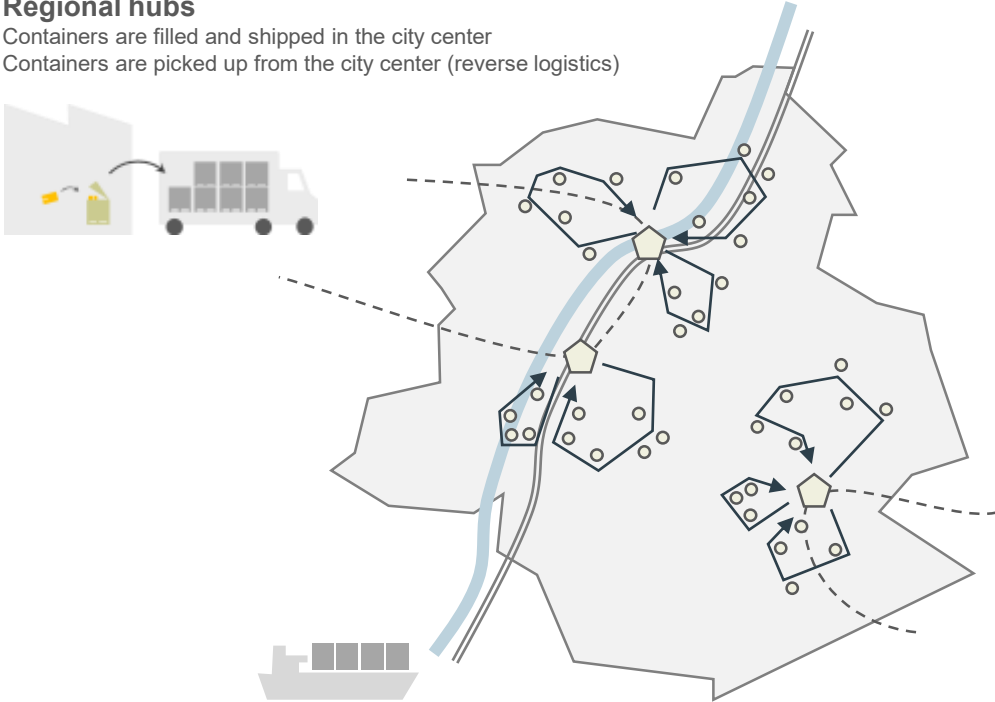
# Multi modality



# The containerization of goods

## Regional hubs

Containers are filled and shipped in the city center  
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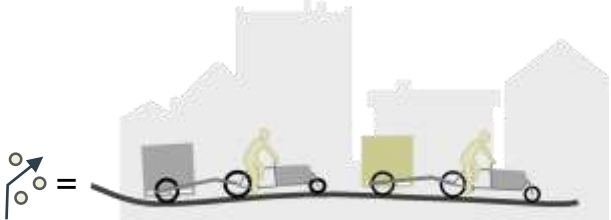
## City hubs (mobile or physical)

Containers are dropped in the delivery area



## Final destinations (first and last-mile)

Deliveries and pickups by bike



Concretely

1



Concretely

2





Concretely

3





Concretely

4





**Thanks !**

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