

D-via – Sustainable Urban Distribution in Flanders

2010 Annual Polis Conference
Dresden, 25 November 2010



Flanders Institute for Mobility – vim.be

- Competence Research Centre for mobility issues
 - Research & development (financing + coordination)
 - Passenger transport
 - Transport and logistics
 - Infrastructure
- } Innovation & sustainability
- **172** members (129 companies (100 SME), 12 member assoc., 20 knowledge centres, 8 local governments, 3 intergovernmental associations)
 - Members from Infrastructure, Transport & Logistics, Mobility, Micro Electronics, Automotive, Study & Advice, Bank & Insurance, ICT, Governmental companies, Telecommunication, Hotspot Technology, Environmental technologies

D-via ?

- **Innovations** in urban distribution in Flanders?
- **Aligning** municipal regulations?
- **Nice** shopping climate?
- Noise and air **pollution**?
- Fluent traffic and **accessibility**?
- Urban **livability**
- Economic viability?
- **Problem** for the one, but not for the other?
- Bundling **potential** ... ?

D-via !

- ▶ **Awareness raising** for integration and alignment of policies
- ▶ Economically and logistically viable model for smart distribution
 - ▶ **bottom-up** (support, consultation, assist in creation)
 - ▶ aimed at retail sector and **tailored to** concrete problems
 - ▶ focus on sustainability
 - ▶ looking for the bundling potential
 - ▶ Small diffuse flows
 - ▶ Large less organised flows
 - ▶ **out of the box** (questioning existing concepts and models)
- ▶ Support & cooperation of **all keyplayers**

Concrete results

- › **Monitor + reference databank** for urban distribution (maintenance) – Flemish situation (delivery times, limitations, ...)
- › Economically and logistically **viable model for bundling of goods**
- › **Instructions** – method for succesful implementation
- › **References and examples** for succesful demand driven bundling
- › Start for follow-up: true **implementation**

Monitor urban distribution



Reference databank urban distribution

D-via monitor stedelijke distributie

Project | Digitale kaart | Piloten | Contact | FAQ | Links | Pers

Welkom, Elke Vranken

Peign

Hasselt

Zoek op de kaart

hasselt

hasselt

Nieuws

Geen berichten

Spelregels

- Verstartijden
- Voetgangerzones
- Lengte- en hoogtebeperkingen
- Gewichtbeperkingen

Loading and unloading zone
Length and height restrictions
Delivery times
Shopping and pedestrian areas
Preferential routes
...

<http://www.d-via.be/>

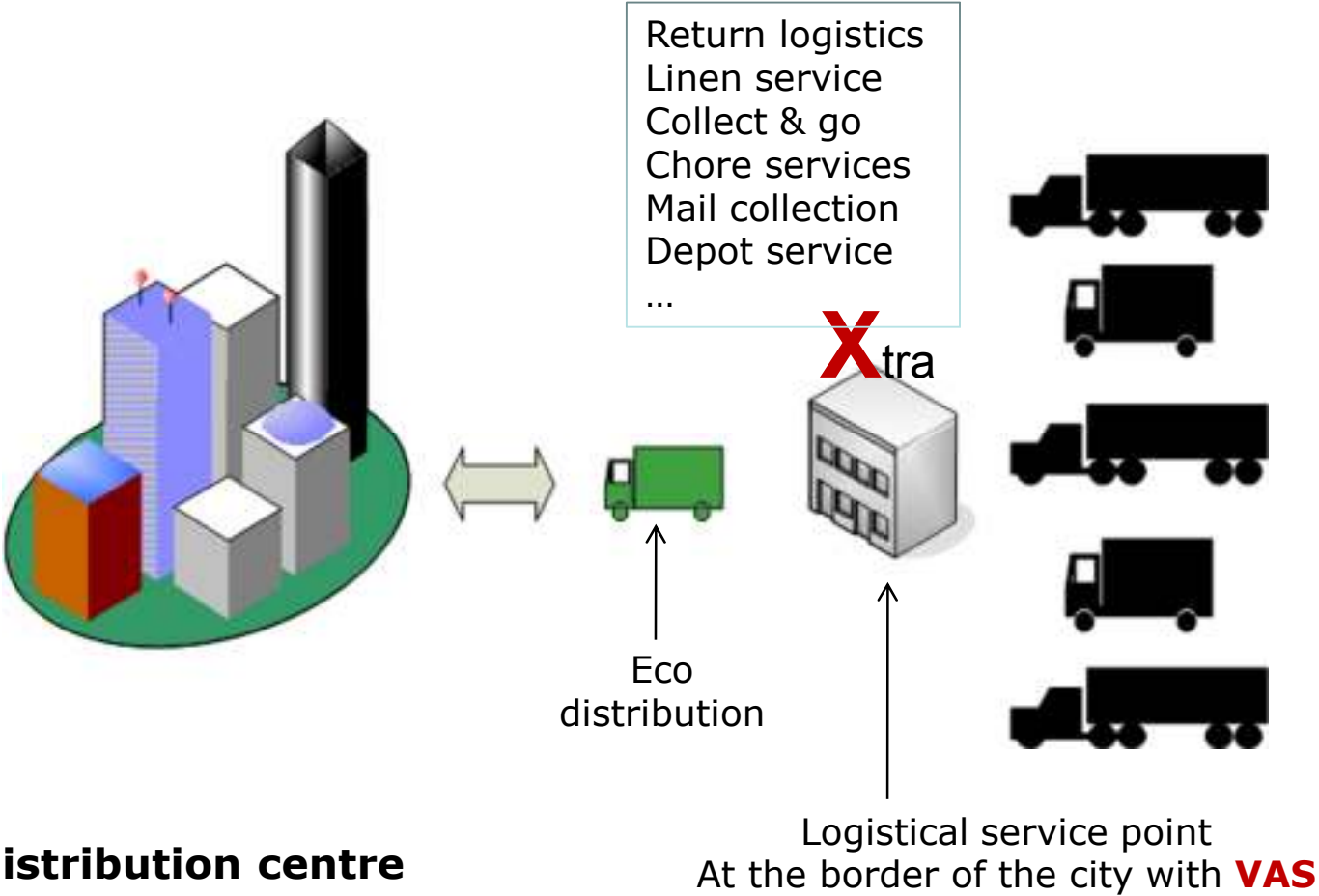


Model for bundeling of goods

- 2 pilots : Hasselt and Gent



Pilot Hasselt



Result for Hasselt: CityDepot

Pilot case for 2 years

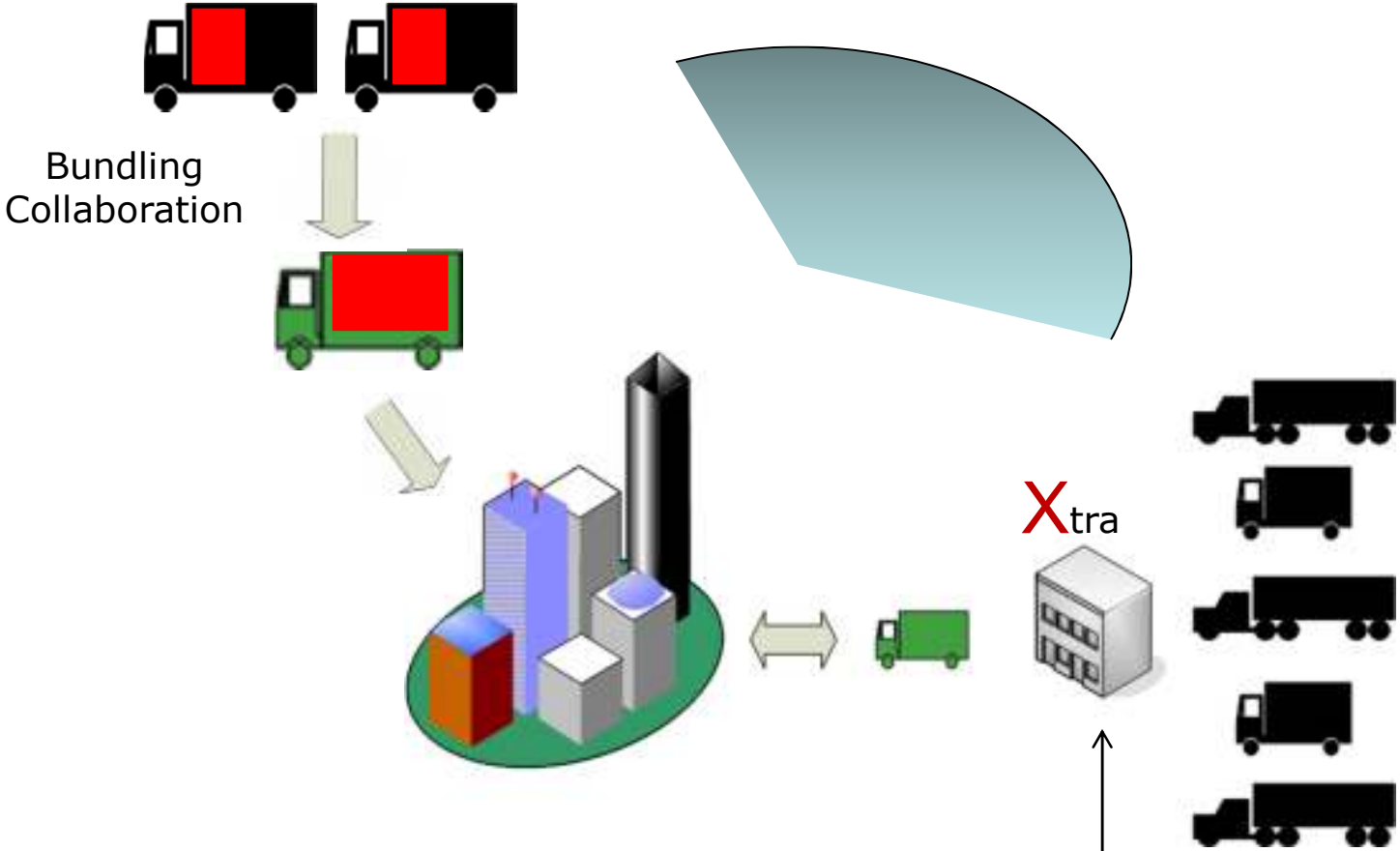
Working spirit

- › Bottom up approach
 - Initiated by City of Hasselt but choices are made together with shopkeepers
- › Logistical services having a joint COMMITMENT and CULTURAL FIT

Mode of operation:

- › Operational non-profit organization: logistical service providers;
- › Supervisory Board: City of Hasselt, shopkeepers, financial and logistical controllers (possibly incl sector organisations)

Pilot Gent



Smart bundling strategies
& techniques



7 Solutions proposed for Gent

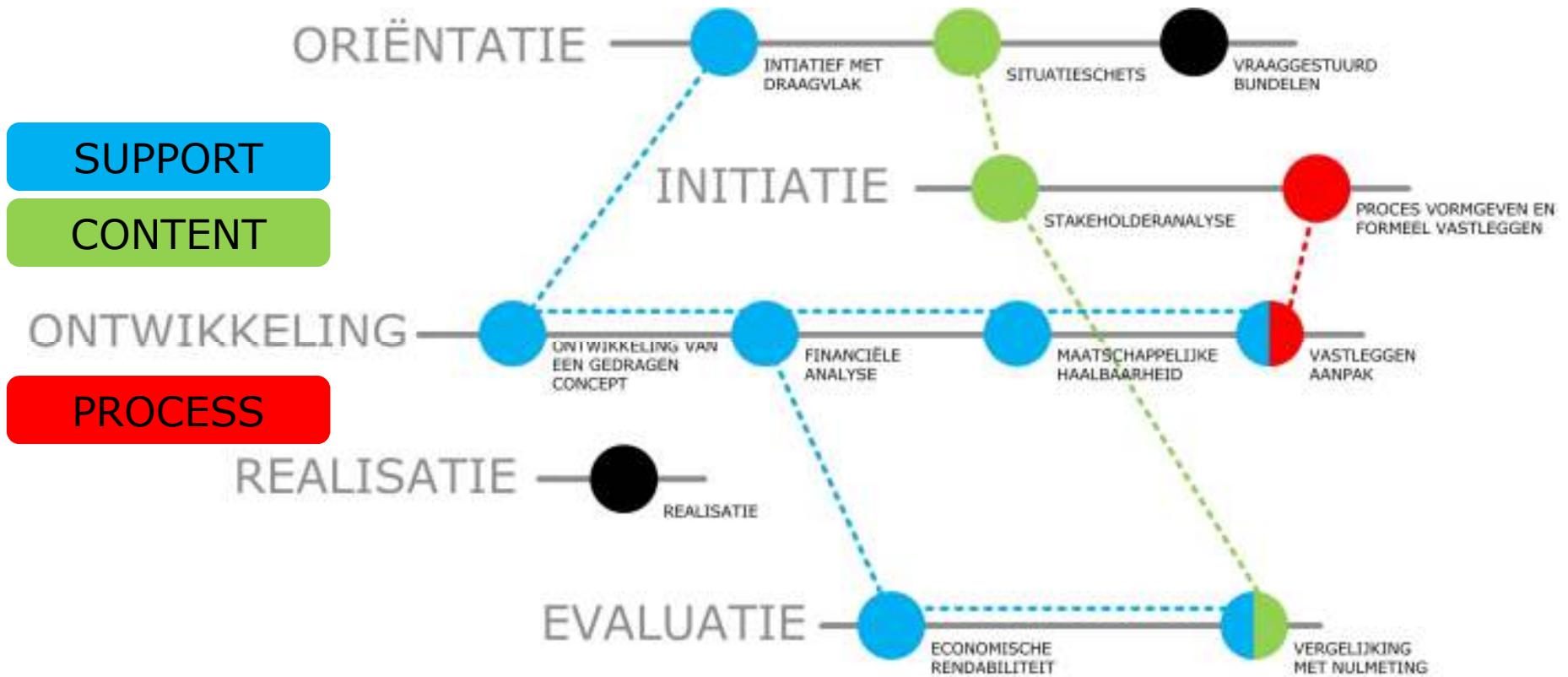
- Sector manager
- Street manager
- Striving for full trucks of the transporters through transporting goods from others (with better conditions for 'full trucks?')
- Warehouse at existing logistical player, close to the city, with environmentally friendly transport to the city on demand?
- Bundling goods of all suppliers at one transporter?
- Striving for horizontal cooperation between professional transporters (with better conditions for 'full trucks'?)
- Cargopooling

2 Solutions chosen by Gent

- Sector manager!
- **Street manager!**
- Striving for full trucks of the transporters through transporting goods from others (with better conditions for 'full trucks?')
- Warehouse at existing logistical player, close to the city, with environmentally friendly transport to the city on demand?
- Bundling goods of all suppliers at one transporter?
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Guidance notes

Roadmap



Project team

Assignment given by



Assignment carried out by



Joint effort

- ▶ Participation of
 - ▶ Committee for transport and mobility (FEDIS)
 - ▶ Knowledge forum innovative distribution (UNIZO, AO and VVSG)
 - ▶ Working group urban distribution (VVSG)
- ▶ Sponsored by
 - ▶ Total budget: 340.000 EUR eVAT
 - ▶ 80% financed by Flanders Institute for Mobility
 - ▶ 20% co-financing by partners



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