

A shift towards "retro" last-mile and urban logistics. How the pandemic has accelerated this trend.

26th May 2022 – I-NUF

Presenter: Prof. dr. Wouter Dewulf

Co-author: Prof. dr. Roel GEVAERS

Announcements

- Urban Logistics Summerschool, University of Antwerp
 - Antwerp, Belgium
 - 15 to 26th August 2022



Planning and managing the freight in urban areas



Summer School | 15 - 26 August 2022

- Pharma Logistics Masterclass, by University of Antwerp, California State University, Khalifa University and Pharma.aero
 - Abu Dhabi, UAE
 - 5 to 9th September 2022





OPINIE

Shoppen, mobiliteit en logistiek gaan back to the fifties

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SCHENK DIT ARTIKEL

REAGEER



27 mei 2021 00:10

Voor winkelen, mobiliteit en logistiek maken niet de roaring twenties maar de jaren 50 hun opwachting. Verwacht u aan retro, eventueel met een modern IT-sausje.

rendwatchers voorspellen een terugkeer van de roaring twenties na corona. Na een donkere crisisperiode volgt vaak een actieve periode waarin de bevolking volop profiteert van het licht na de duisternis. Voorbeelden zijn de jaren 1920 na de Eerste Wereldoorlog en de golden sixties na de moeilijke naoorlogse periode.

Voor u geselecteerd

- Rusland probeert roebel af te remmen met forse renteknip
- 2 Euronext: Sterren komen, sterren gaan. Baanwinkels blijven bestaan
- 3 Beleggersagenda van vrijdag 27 mei
- 4 Russische 'opening' voor graanexport via Zwarte Zee slag in het water
- 5 AB InBev geeft ambitie voor alcoholvrij bier op

Zeker vanaf het einde van de iaren 50 en in de iaren 60

Agenda

- 1. Research questions
- 2. Methodology
- 3. Cities during the '50ies
- 4. Cities between 1960 2000
- 5. Cities nowadays
- 6. Conclusions and impact on policy



Research question

"Is urban logistics heading towards logistical principles of the '50ies? What are the similarities and the differences?"



Methodology

- Quantitative data
 - Data from last-mile companies, retailers and urban consolidation centres
 - Benelux (Belgium, Netherlands, Luxembourg)

- Qualitative data
 - Interviews with last-mile experts



Cities during the '50ies



- 1. Limited number of cars and trucks
- 2. Main transport means: public transport, on foot, bicycles
- 3. Many small shops
- 4. Deliveries to the doorstep:
 - Soup
 - Milk
 - Drinks
 - Bread...
- 5. Small grocery stores on every corner of the street
- 6. Deliveries by tricycles
- 7. Every village: bakery and butcher
- 8. Postal catalogue deliveries with waiting time



Transport







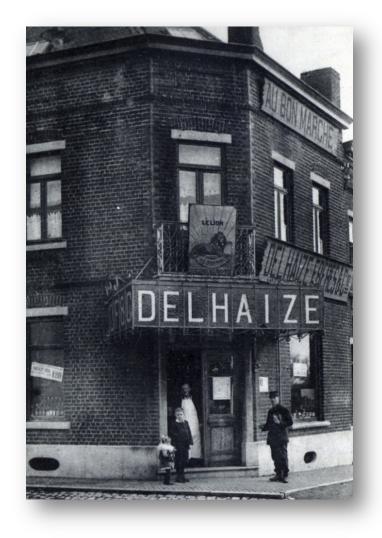
Last mile







Commerce





How did cities evolve 1960 - 2000



- 1. More car use and truck use
- 2. Many public parkings
- 3. Number of small stores dropped and multinational large players came into cities
- 4. Traditional deliveries to the doorstep were reduced or even stopped
- 5. Small grocery stores were replaced by (mega-)supermarkets
- 6. Deliveries with tricycles were stopped

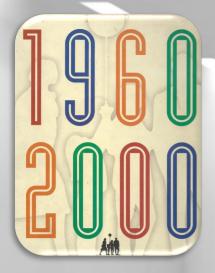


Transport









Last mile

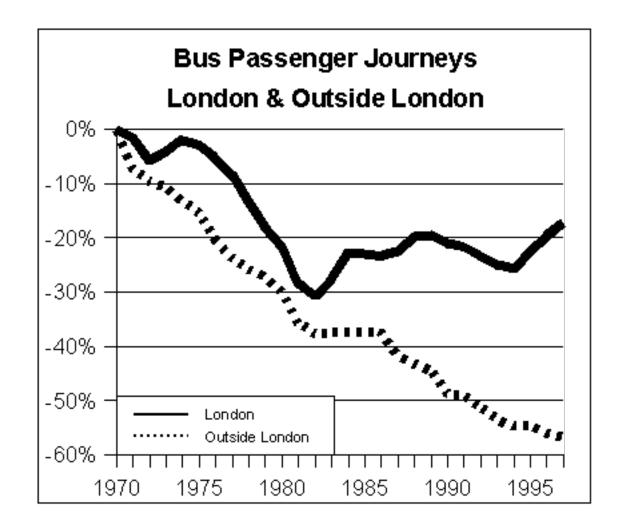


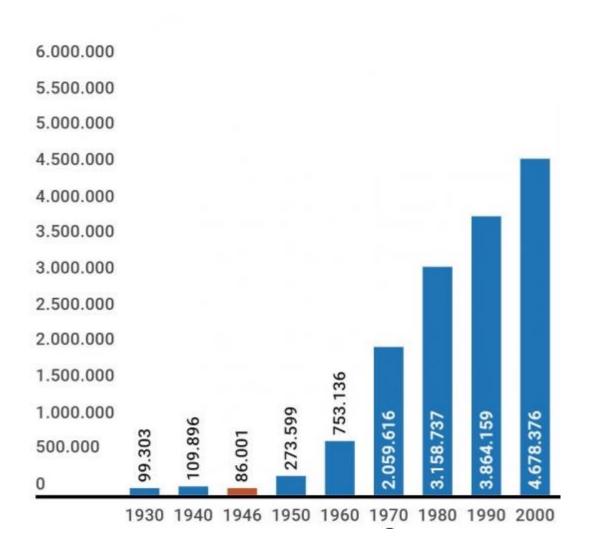


Commerce





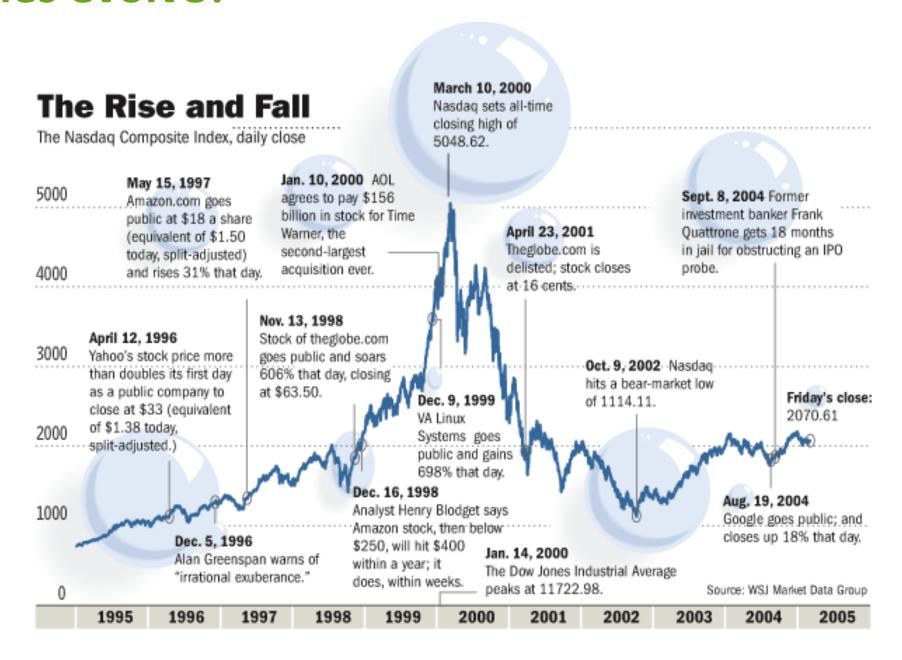








First steps towards eCom





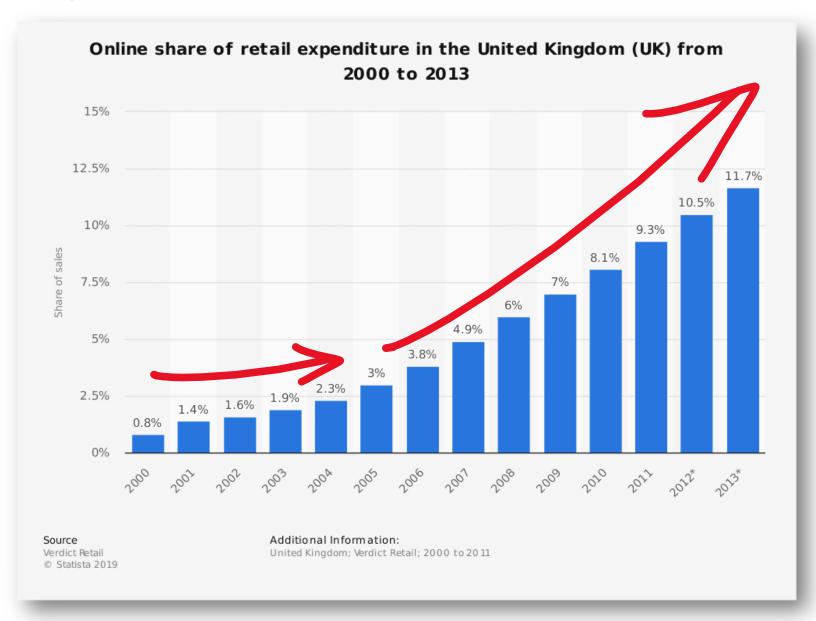
First steps towards eCom



Urban areas nowadays 2000 - 2020



eCom after DotCom Bubble



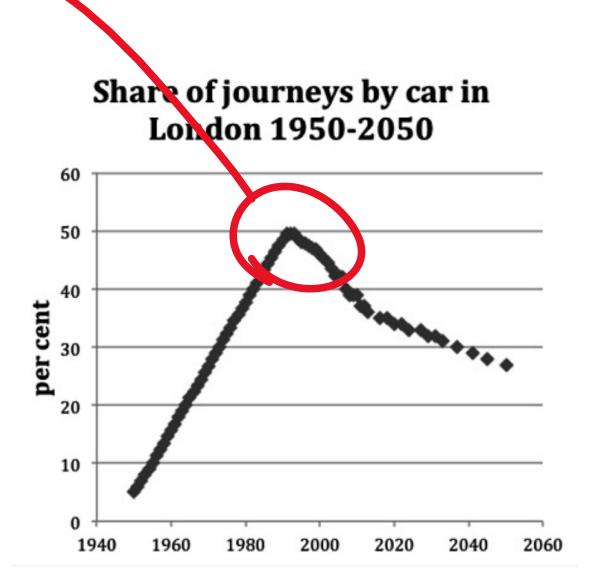


eCom after DotCom Bubble

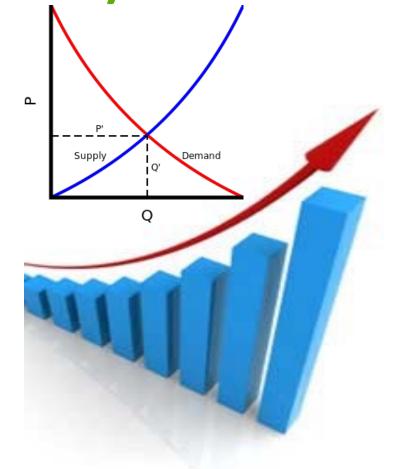


Sustainability





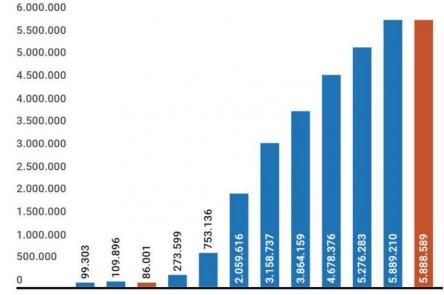








Aantal personenauto's in België

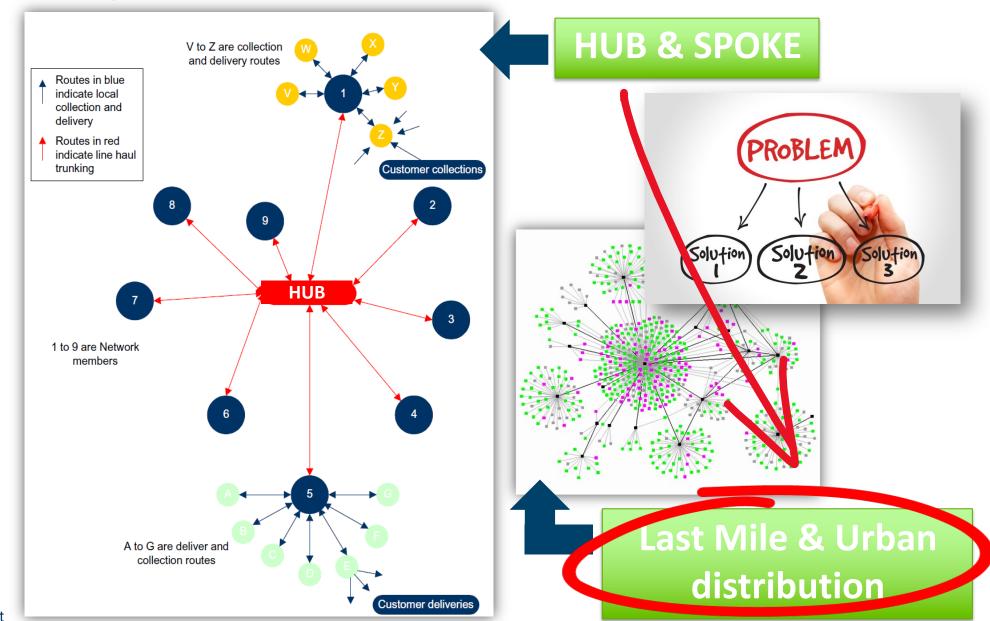


1930 1940 1946 1950 1960 1970 1980 1990 2000 2010 2019 2020





Supply chains



SOURCE: Gevaers, 2013

Cities nowadays 2000 onwards



Convenience & local





Cities nowadays 2010-...











Transport

Couriers/delivery industry



Amelia Hill

y @byameliahill

Thu 20 Jan 2022 08.00 GMT







Cargo without carbon: the rise and rise of e-bike deliveries

Demand for electric cargo bike couriers has boomed since first lockdown, bringing the hope of cleaner, quieter, safer streets



© E-cargo bikes can deliver 60% faster than vans and save about 90% in carbon emissions. Photograph: Xinhua/Rex/Shutterstock



ould you like your groceries delivered without a side order of traffic congestion? Boilers, books and beauty products dropped off without a roar of diesel? Or even take a taxi ride without the carbon emissions?



Last mile













Commerce







Similarities





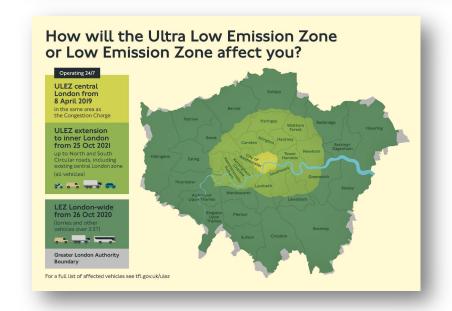




Transport















Last mile





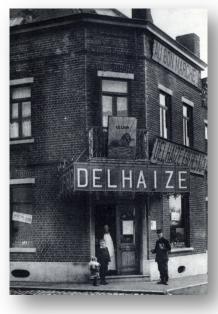












Commerce









ship-horn-store

Conclusions and policy impact



Conclusions

- After years of unlimited growth and focus on hub-and-spoke efficiency gains, a new environment is created
- Since eCommerce growth and focus on sustainability
 - Restriction of 'classic' transport in cities
 - Increased investments in public transport
 - From reduced at-home deliveries to an explosion of at-home deliveries
 - Focus on the smaller shops and more local 'authentic' shopping
- Many trends are RETRO-LOGISTICS
- Cities focus increasingly on urban planning and 'liveability' of the cities while in the '50ies they were caring to facilitate the commerce





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