













Traffic circulation plan Leuven 2016

- 1. Garantee accessibility
- 2. Increase liveability
- 3. Upgrade experience value of the public domain

















City vision

SUMP – bicycle policy plan

- → Public bikes in last mile public transport chain / interchanging point (major PT-Hubs, Park and Rides)
- → Bike sharing for specific target groups: (VeloKadee, Velo at school, cargobikesharing system, ...)
- → Citywide back to many sharing system ???? freefloating ?????
- \rightarrow Bicycle owner ship is KEY to higher cycle use
- → Bicycle parking management to decrease level of bike parking presure on public domain by:
 - $\circ~$ High level of bicycle parking offer: short term, long term, resident parking, \ldots
 - o High level op bicycle parking management / enforcement (orphan bikes)



















Bike sharing for specific target groups – Velo at School

Velo at school

- Shared bikes for short school trips
- Replacement of bus trips
- 495 € per bike full service contract
- Local social economy company Velo vzw







Bike sharing for specific target groups – Cargobike sharing



- Start up civil coperation energy – shared e-mobility
- e-cargobike for every neighbourhood
- Cargoroo system







Free floating is suggesting door to door









Why the Chinese are coming?

- Recent capital injections:
 - Ofo 580 milj \$
 - Mobike 410 milj \$
 - Bluegogo 65 milj \$
 - o ...
- Investors: Didi, Allipay, WeChat, ...
- 50 milj shared bikes by end 2018 in Chinese cities
- Taking the European and American market
- 1. Online payment platforms are the major trigger for investors. (New banks, Ofo asked bank licence in Luxemburg)
- 2. Data and behaviour of users are the second trigger for investors. (*In Smart Cities data = money*)
- 3. Advertisements via Smartphones/apps are the third trigger for investors.

The quality / service level of the mobility product and the quality of our public domain is/was a minor trigger for investors.



Mythes (1): More bicycle use because of bike sharing ?

Bike sharing suppliers promise MORE cycle use with LESS bikes

Following exercise nuances this impact for the Leuven inner city:

 \Box +/- number of inh., students, employees, visitors = 70.000

□ Number of trips per day = 3,5 (OVG Flanders)

 \Box Bike share in modal split city centre Leuven = 41 %

TOTAL NUMBER OF CYCLE TRIPS IN CITY CENTRE LEUVEN = ca. 100.000

□ 1.000 public bikes

 \Box 5 trips per day per bike (= high level of public bike use).

TOTAL NUMBER OF PUBLIC BIKE TRIPS IN CITY CENTRE LEUVEN = ca. 5.000

Public bikes represent max. 2% of all trips in city centre of Leuven or 5% of all cycle trips To catch all cycle trips in the city centre of Leuven you need min. 20.000 public bikes. 95% of cycle trips will always be done by personal private/lease bikes

Mythes (2): More public bikes – Less bicycle parking pressure

Also freefloating bikes need parking facilities / public space !!

Ex. At 4h30 p.m. the number of riding shared bikes will be very low. The free floaters also need 1 to 1 parking space

Station based public bikes guarantee space to park the bikes.

Can free floating offer the same service level?

 \rightarrow What at public spaces with a high bicycle parking pressure?

 \rightarrow What guarantee to have a bike for the return trip?

→ You need a much higher density of freefloating bikes to offer the same service level as station based public bikes.

There is no experience yet that existing cyclists massively change the 'personalized' bike for a public bike.

Conclusions:

- In a cycling city like Leuven bicycle ownership still is the key to more cycle use.
- Bike sharing is a <u>welcome addition to the public transport offer</u> for both inhabitants as visitors (= demand responsive public transport)
 <u>Ex</u>. 25% of the Velo-trips in Antwerp are taking place between 22:00 and 6:00, as an alternative for the lacking public transport at that time.
- Bike sharing is an eye opener for new target groups that are not used to cycle.
- Like in carsharing, the shared bicycle is a welcome addition in the complete transport offer. *Vb. 1 maal per week gaan winkelen met een deelbakfiets.*
- Shared bikes can replace the (second) station bike, sporadically used student bikes, the second bike, ...and in this perspective they <u>can have a positive impact on parking pressure</u>







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Stad Leuven

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Leuvenaars bepalen mee locaties buurtmobipunten

Donderdag 3 oktober 2019 — De komende drie jaar komen er, verspreid over Leuven, vijftig mobipunten. Dit zijn locaties waar je verschillende vormen van deelmobiliteit zoals een deelbakfiets en een deelwagen vindt. De hele maand oktober kunnen Leuvenaars op <u>www.leuvenmaakhetmee.be</u> aangeven waar zij een buurtmobipunt wensen en welke vervoersmiddelen op die locatie volgens hen belangrijk zijn. De stad gaat vervolgens in overleg met de buurt voor de concrete uitwerking.

Er komen verschillende types mobipunten in Leuven. De grootste mobipunten zijn echte vervoersknooppunten, bijvoorbeeld aan het station, waar veel mensen vertrekken en aankomen en



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