Shared and Digital Mobility Hubs

New Mobility Hubs Implementation Approaches in Leuven and Rotterdam





ShareDiMobiHub

Housekeeping Rules

- This webinar will be recorded.
- Please post your questions in the Q&A box or the chat box.
- They will be answered by the panellists during the Q&A session discussion.







AGENDA

- 14:00 14:05 Introduction POLIS (Daniel Herrera)
- 14:05 -14:25 Leuven pilot 1 Hilke Evenepoel (Leuven) and Sam Delespaul (Mobiel 21)
- 14:25 -14:40 Leuven pilot 2 Hilke Evenepoel (Leuven) and Stefaan Butaye (Blue-bike)
- 14:40 14:55 Rotterdam pilot Stefan Schimmel (Rotterdam) and Robin Kleine (Mobyco)
- 14:55 15:05 Importance of Mobility Hubs to overcoming Transport poverty POLIS (Pedro Homem de Gouveia)
- 15:05 15:25 Q&A
- 15:25 15:30 Closing remarks POLIS (Daniel Herrera)

What is ShareDiMobiHub?



ShareDiMobiHub increases urban accessibility and liveability for its citizens and visitors by introducing shared mobility hubs at a city or metropolitan or regional scale in the North Sea Region. The project supports public authorities to implement similar solutions.

Output of the project

Pilots

- Skien/Porsgrunn, Tønsberg: integration of hubs into PT
- Rotterdam, Leuven: specific target groups

Upscaling

- Amsterdam & VRA
- Vestfold og Telemark
- Leuven

Replication

- Provincie Utrecht
- Region Hovedstaden (Kopenhagen)
- Rotterdam

Digitalisation plans

- Leuven
- Vestfold og Telemark Region
- Amsterdam & VRA
- Provincie Utrecht

Support outside the project

- 14 cities
- 6 regions
- 4 PT operators
- 4 MaaS-providers
- 12 shared mobility providers

Shared Mobility Hubs Learning Platform



Developed by HAW Hamburg as part of the Shared and Digital Mobility Hubs project, funded by the EU Interreg North Sea Programme, our Learning Platform offers a collaborative learning space to gain knowledge, share experiences and connect in the field of shared mobility.

Register here for free:



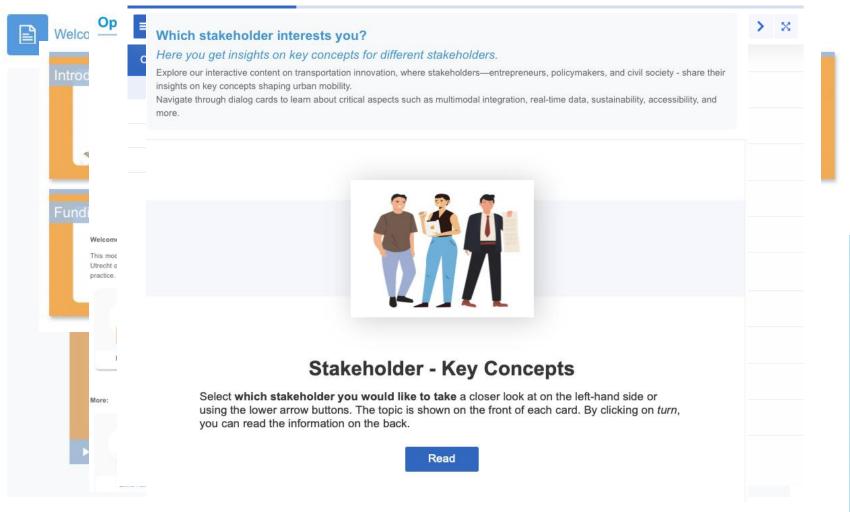
ShareDiMobiHub





https://www.interregnorthsea.eu/sharedimobihub

How it looks?







Pilot: Shared mobility for everyone?

- 1. Objectives
- 2. Procurement
- 3. Pitch
- 4. Communication
- 5. Participation and usage
- 6. Barriers and success factors in function of further inclusion

See: https://www.interregnorthsea.eu/sharedimobihub



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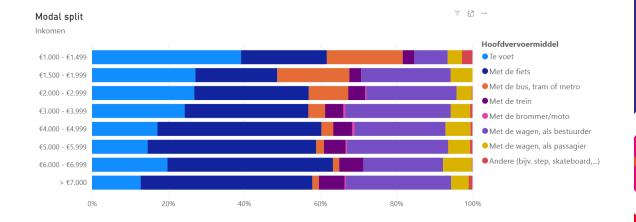


Objectives

- More opportunities for trips for everyone
- Less car trips (within, from and to Leuven)

- Do Hoppin hubs and shared modes offer a solution?
- → Where are the greatest opportunities for vulnerable target groups?
- → What barriers do they experience?
- What are the most important critical succes factors for them?





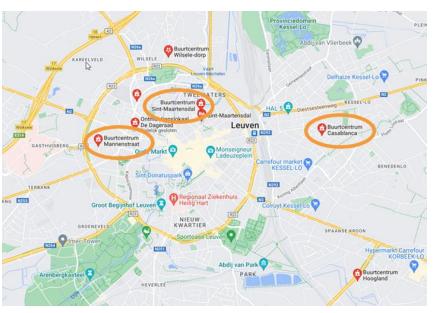


Tender

Preconditions

- A temporary hub rotates during 12 months and is accessible for everyone
 - 2 types of test persons (focus on less advantaged people)
- Good balance of resources and requests
 - Only 3 community centres
 - Testing period of 4 months each
- Free offer for focus group → More attention for other barriers
- Testing package:
 - Cargo bikes too
 - Shared car too (low-threshold; provisional driving licence)
- Digital
- Decent information/coaching/tools for
 - Community workers
 - Test persons (manuals)
- Comprehensive research with focus on group of less advantaged test persons

ShareDiMobiHub









Jan '24-July '25

Partnership:
City of Leuven
Dept Mobility
Dept Community work
Velo vzw
Mobiel21 vzw
Cambio

Mission



"Thanks to an adapted shared mobility offer, it becomes more feasible for vulnerable Leuven residents to get around"

Goal = recruit insight



- Is there interest in shared mobility?
- What barriers do they experience?
- How can we reduce or rather eliminate them?
- Is there an effect on use of own car among car owners?

3 community centres

3 x 4 months testing

Large test offer

- → 1st line-testers: all visitors to the community centres who physically register
- → 2nd line-testers: all other testers
 (community residents) who register on-line

- → March-August 2024: Mannenstraat
- → August-December2024: St Maartensdal
- → December 2024-March 2025: Casablanca

- → 2 shared bikes (Velo)
- → 2 shared e-bikes (Velo)
- → 2 shared e-cargo bikes(Velo)
- → 1 shared car (Cambio)

Van midden maart tot midden juli vind je een Hoppinpunt een Buurtcentrum Mannenstraat. Bezoekers van het buurtcentrum kunnen er gratis een deelauto of -fiets lenen, en leren hoe ze die online reserveren. In ruil geven ze feedback, zodat de

stad het aanbod nog kan verbeteren. Ook andere buurtbewoners mogen de deelfietsen gebruiken - niet gratis, maar tegen een voordeelprijs.

Interesse? Kom dan naar het gratis startevent op 13 maart.

① wo 13/03 • 13.30 uur • Groefstraat 2, Leuven • 016 22 38 59, www.leuven.be/test-hoppin







Bezoekers van buurtcentra testen deelwagens en -fietsen

Het eerste tijdelijke Hoppinpunt opende zopas de spreekwoordelijke deuren aan buurtcentrum Mannenstraat in Leuven. "We zijn trots dat we mee kunnen werken aan een project dat deelmobiliteit inclusiever maakt in Leuven", aldus Dries Janssen, directeur van Velo.





Kom naar het startmoment op dinsdag 20 augustus om 13.30 uur in buurtcentrum Sint-Maartensdal. Daarna kan je terecht bij de buurtwerker in het buurtcentrum of vind je de info op www.leuven.be/deelfietsen

Even naar het centrum?

Test GRATIS* een deelauto tussen 13 maart en 13 augustus 2024

Test eens een elektrische deelbakfiets.

Probeer eens een (elektrische) deelfiets.

DELEN IS VOOR IEDEREEN · Naar de supermarkt?







TIJDELIJK GRATIS OF AAN VOORDELIG TARIEF

Tussen 20 augustus en 3 december 2024 kunnen bezoekers va (elektrische) deelfiets, deelbakfiets of deelauto gebruiken. Ar fietsen tegen een voordelig tarief ontlenen.

- 13.45 uur: uitleg over hoe je ee

fietsherstelplek: gratis kleine herstellingen aan je fiets. Breng dus zeke fietsschool: hulp om te leren fietsen of om meer vertrouwen te krijge

ijskar: gratis ijsje voor alle bezoekers

KOM NAAR HET STARTMOMENT

- dinsdag 20 augustus 2024 om 13.30 uur
 buurtcentrum Sint-Maartensdal, Rijdende Artillerielaan 6, l

Wil je elke dag de HLN

HLN ontvangen via e-

D) RESTORP. De were

MEER BERICHTEN

tussen 14.00 en 16.00 uur:

proefritjes: test de verschillende fietser rsoonlijke uitleg: informatie over de deelfietsen en deelauto

Wil je weten hoe?





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Zo doe je dat!

Een deelfiets gebruiken? Zo doe je dat!







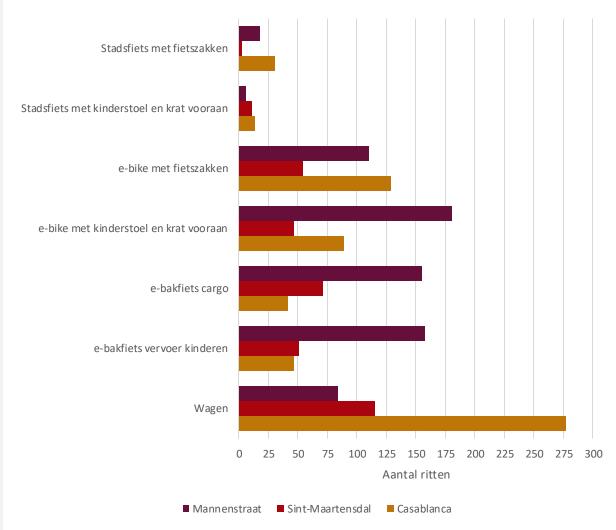




Participants and use

- 90 registered 1st line testers
- Two thirds (66%) used the shared vehicles at least once
- Number of trips: 1.693
 - ♦ 5% city bike
 - ♦ 36% e-bike
 - 31% cargo bike
 - 28% car
- Feeling joy and freedom
- Accessibility improved
 - Groceries
 - Transporting children
 - Social contacts

Aantal ritten per locatie per deelvervoermiddel



Barriers

- Knowledge about shared mobility
- Skills
- Functioning of the system
- Concept of shared mobility
- Visibility and location
- Financial



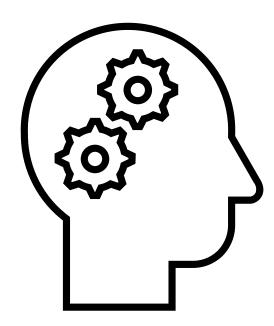
Knowledge about shared mobility

- A big portion doesn't know shared mobility
- Taking steps in making the target group familiar with shared mobility
 - Promotion in the neighbourhood
 - ◆ Familiar and trusting person to explain



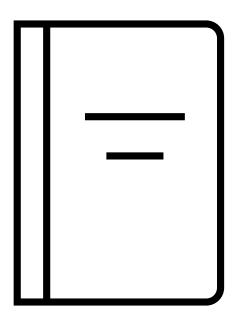
Skills

- Digital skills
 - Working with apps is not always easy
 - Need to have mobile internet and Bluetooth
- Driving skills
 - The majority never used an e-bike or a cargo bike before
 - Especially the cargo bike takes some practice



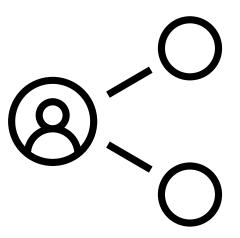
Functioning of the system

- Registration
 - Complex, especially for the car
 - Support from the community workers essential
- Reservation and planning
 - Using a shared car is less flexible
 - The bikes couldn't be reserved, not sure about the availability
- Stress and insecurity
 - Participants didn't want to make mistakes



Concept of shared mobility

- Different from owning a bike or a car
- Sharing vehicles = sharing responsibility
 - Owning a vehicle = less mental pressure, issues and problems only affect yourself
 - Shared mobility = no worries about maintenance or theft



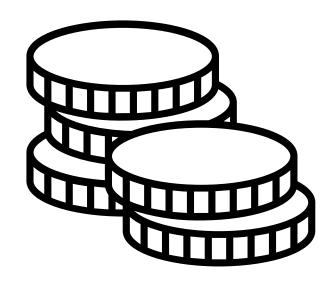
Visibility and location

- Proximity is very important
- Good to have different options



Financial

- Testing was free
- Future use highly dependent on the cost
 - Current costs are too high for a lot of the participants





Thanks!

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ShareDiMobiHub





Pilot: Shared mobility for business trips

- 1. Objectives
- 2. Survey
- 3. Pitch
- 4. Deployment of shared e-bikes
- 5. Usage
- 6. Learnings

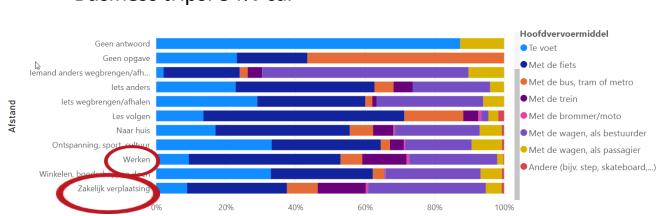
See: https://www.interregnorthsea.eu/sharedimobihub





Objectives

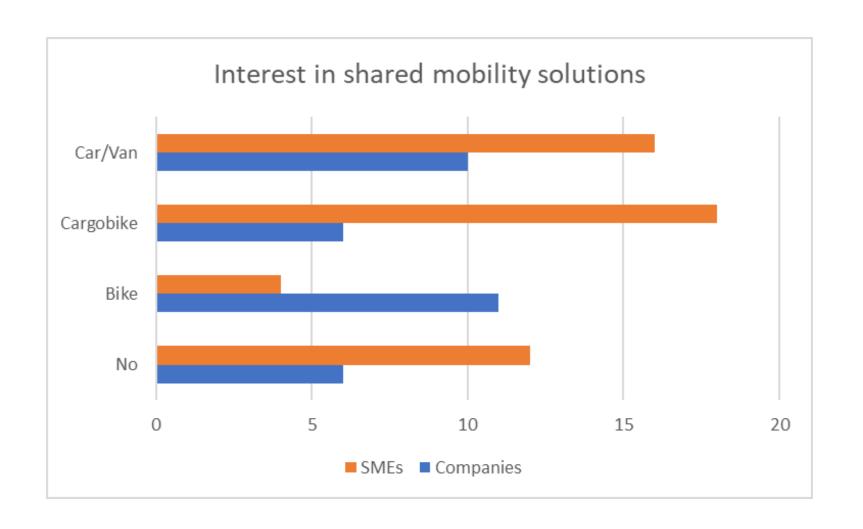
- To better understand the motives and factors that influence companies' willingness to use shared mobility
- Less car trips
 - ♦ Flanders (MOW, 2024)
 - commuting: 64% by car (2/3 trips), 22% bike, 7% PT, 5% walking, 2% other
 - Research transport behaviour of Leuven citizens (2024)
 - Commuting: 25% car
 - Business trips: 34% car







Survey in 2023SMEs and bigger companies







April '23-July (Dec) '25

Exploratory survey of enterprises, companies, organisations in Spring 2023

Start test period in March 2024

Testing till 2025

→ policy recommendations

Visie



"Thanks to an adapted shared mobility offer, commercial businesses, companies and organisations will make fewer trips by private or company car"

Goal = Acquire insight



- Is there interest from businesses in shared mobility?

- Is there an effect on use of private and company cars?
- Does the business case become more interesting for the shared mobility providers?

Pilots with



Pilots with



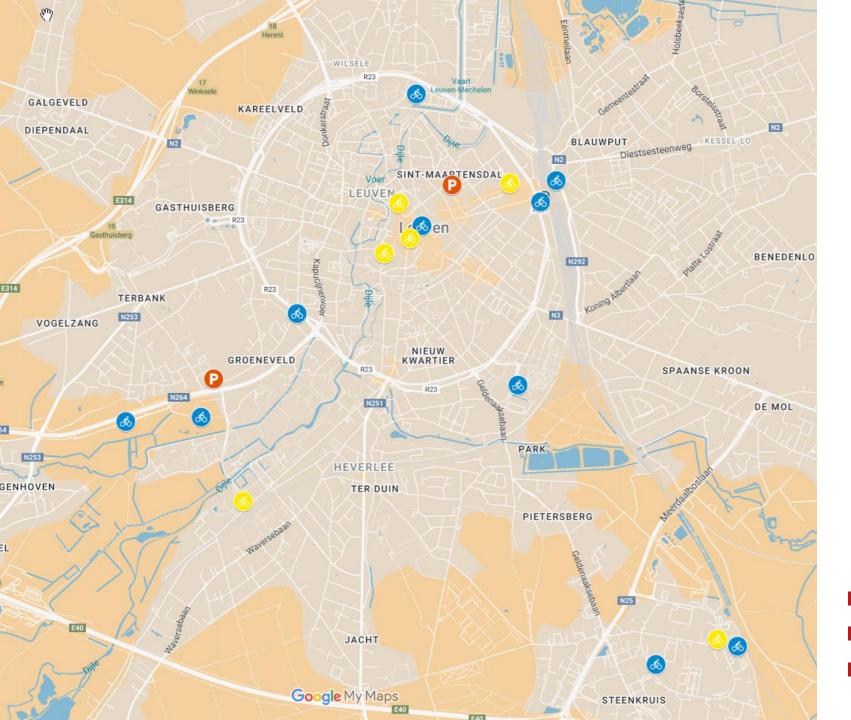
Pilots with



Entrepreneurs get acquainted with offer of recognised shared car providers in Leuven

- → Cambio
- → Batt Mobility

Entrepreneurs can test for free with the 'extra cargo bike' that will rotate along 6 locations in Leuven Between 12/2023 and 12/2025, in cooperation with Blue-bike, a B2M system will be tested with 80 e-bikes spread over 10 sites, coordinated with Leuven companies (Blue-bike for life project)





- Test with e-cars (2)
- Test with e-cargo bikes (5+1)
- Test with e-bikes (10)

Deployment of e-bikes





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12/2023:
Start in Leuven station

→ 15 e-bikes

08/2024: Extension 1: +6 stations on public space; + 41 e-bikes

→ 56 e-bikes

6 stations on Extension 2: +3 stations; +
+ 41 e-bikes 20 e-bikes

76 e-bikes

06/2025:

07-12/2025:
Promotion, testing, monitoring and evaluation

Context at start of the project

- 2023
 - ◆ 206 Blue-bikes (191 city bikes and 15 e-bikes)
 - 4,969 unique users
 - ◆ 3 back-to-one locations: 2 locations at Leuven station and 1 at Heverlee station
 - Tariff structure
 - Yearly membership € 12/year
 - Max. € 3,50 for a 24H rental (€ 7 for e-bike)

Evolution number of trips

20.071

2021

54,22%

30.954

2022

18,09%

36.554

2023

Blue-bike 2.0

- Full app integration
- Circular e-bike
- New pricing model
 - Blue-bike Member
 - Blue-bike Ticket
 - ♦ Blue-bike Member Plus
- Trip pricing per 30 minutes and 12H
- Extra payment methods

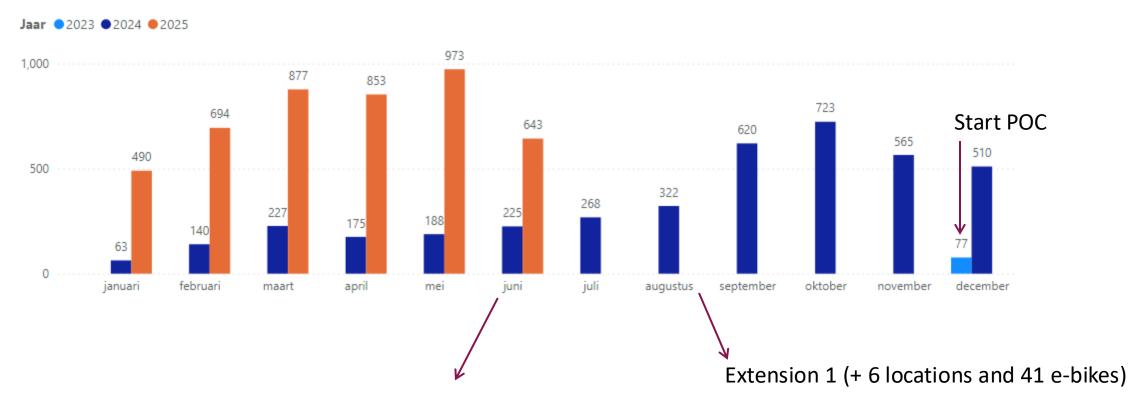


	Blue-bike Ticket Pay per ride and hit the road immediately	Blue-bike Member First 24h = price 12h	Blue-bike Member Plus Unlimited trips shorter than 12h
Entry cost	-	€12 /year €2 /month	City bike:€35/month City bike + e-bike:€70/month
Price per 30 min City bike E-bike	€2 €4	€1 €2	- -
Maximum price per 12h City bike E-bike	€6 €12	€3,5 €7	- -
Surcharges			

Show more +



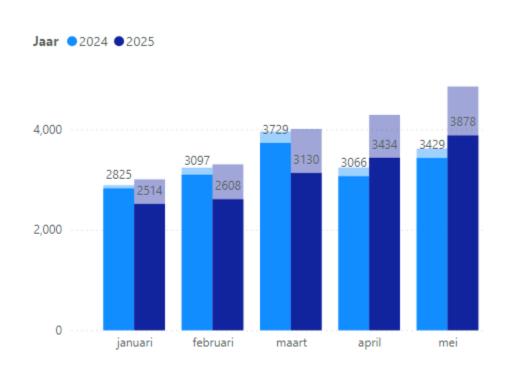
UsageMonthly amount of trips (YTD)



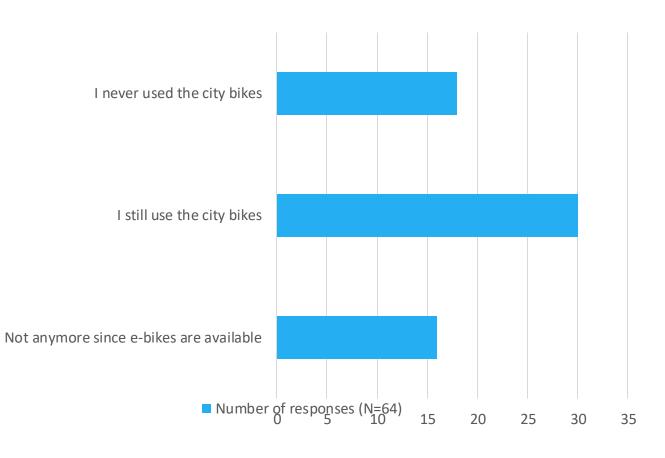
Extension 2 (+ 3 locations and 20 e-bikes)



Usage Impact on usage city bikes



Do you still use Blue-bike city bikes in Leuven?





UsageMost popular trajectories (2025)

Startlocatie	Eindlocatie	Aantal ritten
Leuven Station Tiensevest	Leuven Station Tiensevest	2300
Leuven Station Tiensevest e-bike	Leuven Station Tiensevest e-bike	407
Leuven Parking Vaartkom	Leuven Parking Vaartkom	261
Leuven Rector de Somerplein	Leuven Rector de Somerplein	225
Heverlee Kapeldreef	Leuven Station Tiensevest	155
Heverlee Kapeldreef	Heverlee Kapeldreef	136
Leuven Station Tiensevest	Heverlee Kapeldreef	131
Leuven Station Tiensevest	Leuven Rector de Somerplein	98
Heverlee Wetenschapspark	Leuven Station Tiensevest	72
Leuven Rector de Somerplein	Leuven Station Tiensevest	70
Heverlee Wetenschapspark	Heverlee Wetenschapspark	65
Leuven Station Tiensevest	Heverlee Wetenschapspark	58
Heverlee Researchpark Haasrode II	Leuven Station Tiensevest	46
Heverlee Haasrode UCLL	Leuven Station Tiensevest	36
Leuven Parking Vaartkom	Leuven Station Tiensevest	33
Leuven Parking Vaartkom	Heverlee Kapeldreef	31
Leuven Station Kop van Kessel-Lo	Leuven Station Kop van Kessel-Lo	28
Total		4530

Back-to-one

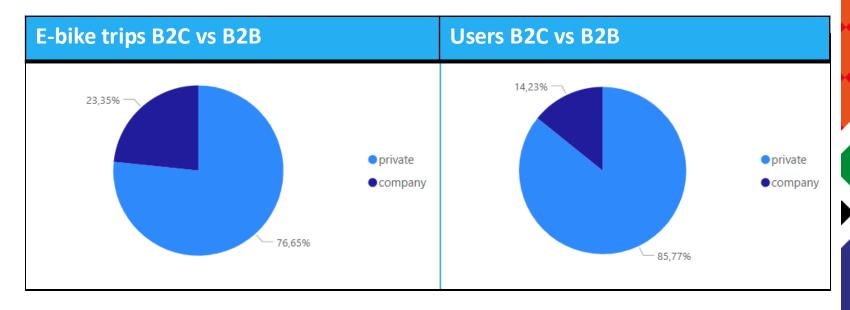
Back-to-many

Duration	Trips
a) < 30min	669
o) 30min-60min	123
c) 60min-90min	88
d) 90min-4h	677
e) 4-8h	948
) 8h-12h	1066
g) 12-24h	652
n) >24h	307
Total	4530



UsageB2C vs B2B evolution

Evolution 2023-2025 (YTD)



2025





Learnings

- Business potential is still untapped
- Diversified tariff structures drive adoption (especially for B2B)
- 1-on-1 dialogue with companies is key
- Proximity and network density matter
- Deep digital integration unlocks seamless journeys
- Integration within regional mobility strategy is essential
- E-bikes enable both local and regional trips and pay off in hilly regions
- Active rebalancing & buffer capacity
- Battery swaps
 - Pro: minimal downtime, consistent range, easier peak-hour availability
 - Con: infrastructure costs, logistics complexity, reliance on technical partners
- Circular economy & social economy collaborations



Thanks!

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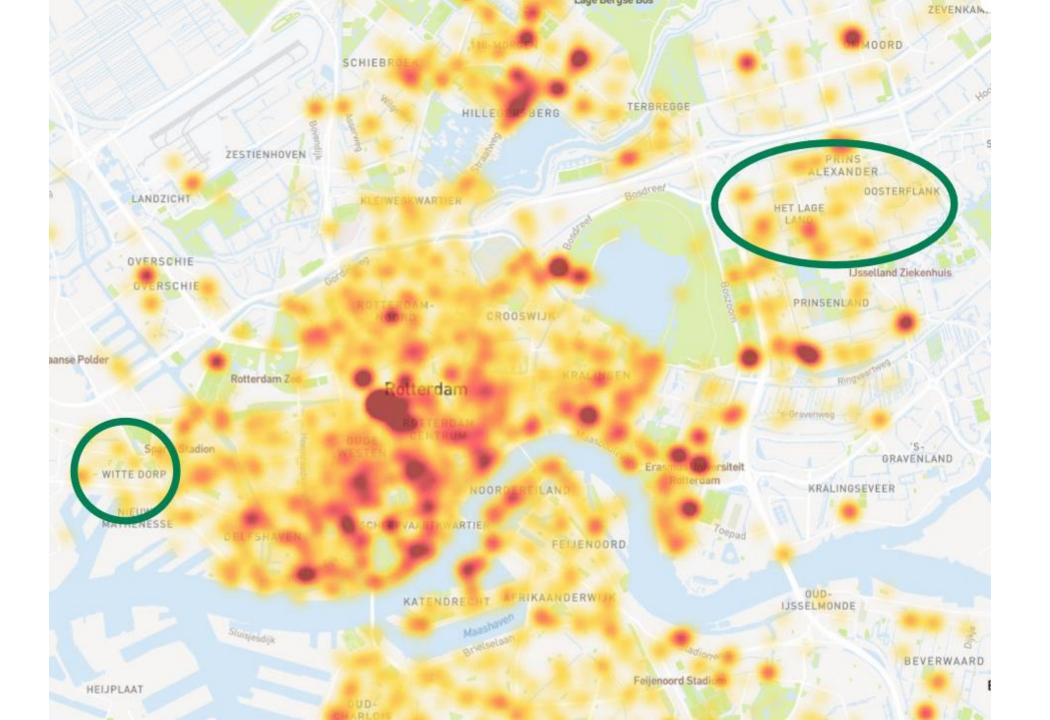
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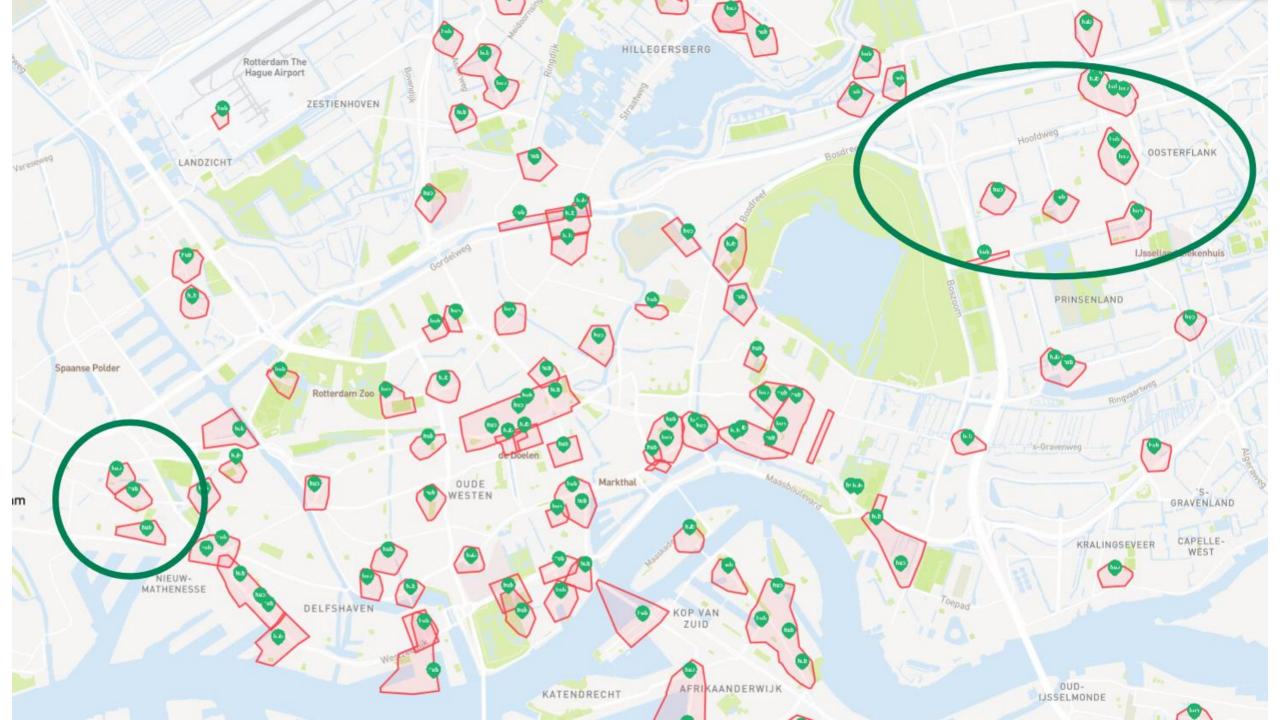
Rotterdam pilot

ShareDiMobiHub webinar POLIS – Stefan Schimmel (Rotterdam) and Robin Kleine (Mobycon)



Introduction





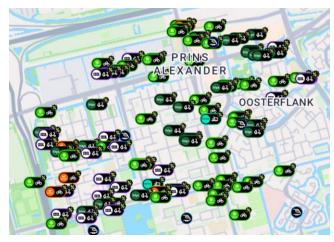




Approach

Approach

Availability vehicles





Mobility budget through MaaS app:

- 2 months free
- 2 months 50% discount





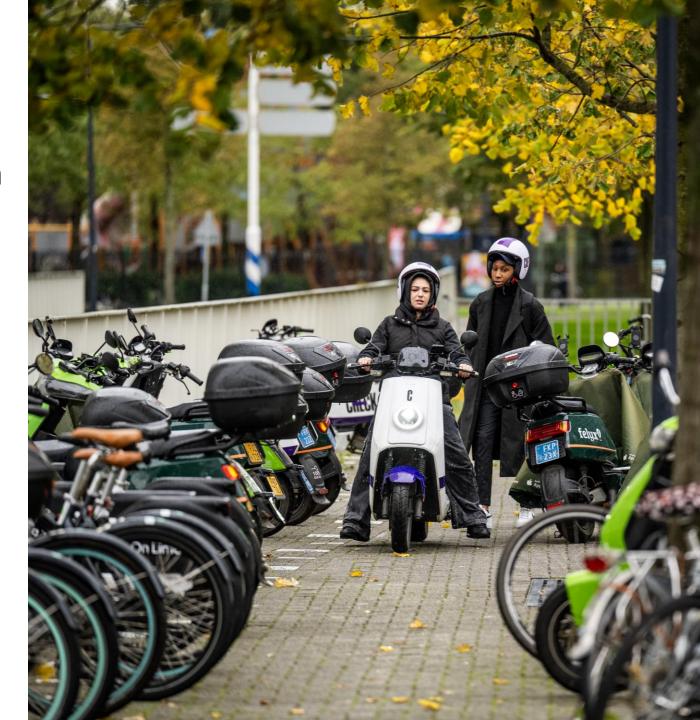


Preliminary insights

*Results not final, data still being collected

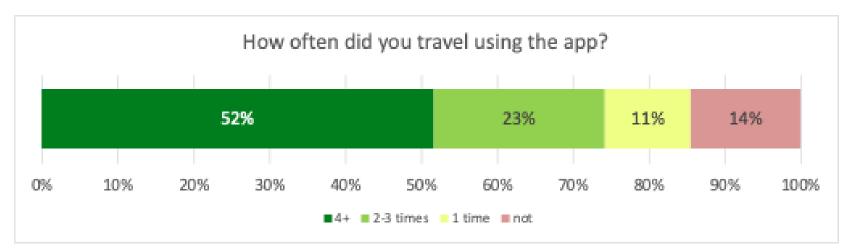
Status 18 June

- 5.000 visits of the registration page
- 3.000 registrations
- 1.700 unique riders
- 16.500 rides in total



Effect on participants

- Survey among participants (in app) after 1 and 4 months
- Most people reached through municipal letter (77%), followed by friend and neighbours (14%) (N=97)



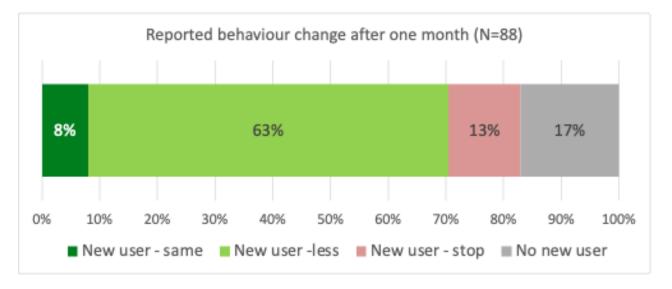
- 75% is using shared mobility more often since the offer (N=92)
- 68% says shared mobility is useful for them (N=90)

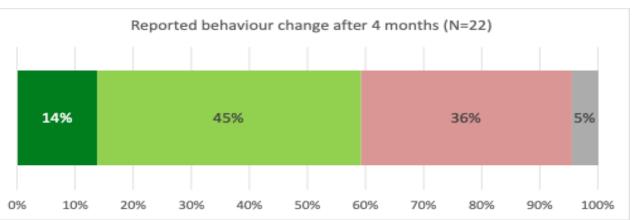
Does the effect last?



Will you use shared mobility less if the offer ends? /have you used it less since the offer ended?

Did you already use shared mobility before this offer?





Effect on the neighbourhood level

Survey sent to all residents of participating neighbourhoods in February and June (with University of Antwerp)



February 2025:

- 73% is familiar with the concept of a mobility hub
- 26% have used mobility hubs
- 36% is planning to use mobility hubs more often in the future

June 2025 (survey still live):



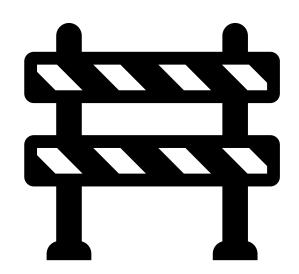




Some first take aways

- We are able to introduce new people to shared mobility
- Most participants have a positive experience and think SM is useful for them
- A lot of participants tell others about their positive experience (67%)
- Costs are perceived as a major barrier to using share mobility (more) often
- Importance of a smooth process and user experience (communication, onboarding, using the app, hubs/vehicles), especially with new target groups
- Trips mostly seem to replace PT and bike trips and sometimes car trips/trips wouldn't be made otherwise (although more data needed)

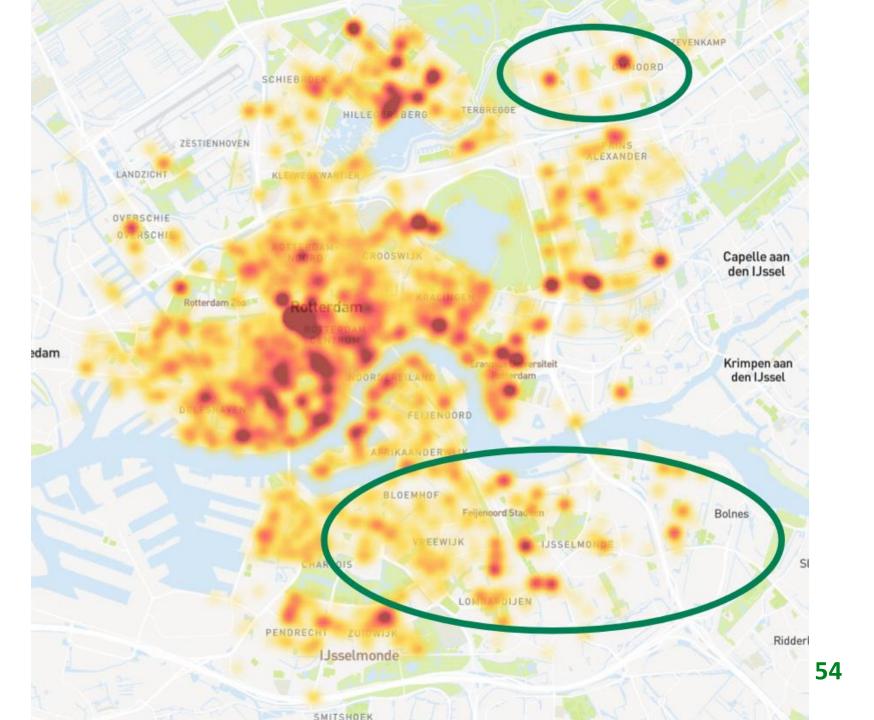
Final results ready by end of summer



Follow-up

Upscaling

Added new neighborhoods



Upscaling

Question: How do you handle the rural areas: the providers are hesitant to offer shared mobility in these areas because usage is insufficient and idle time is increasing (something we want to reduce). At the same time, we require the provider to have 3% of their fleet available in all neighborhoods in Rotterdam. What is your opinion about this?



POLIS PAPER – Fighting Transport Poverty with the Social Climate Fund

Mobility Hubs for Overcoming Transport Poverty

Q&ASession

Save the date for our final conference!

- Will be part of Shared Mobility Rocks '25 and the annual conference of the Dutch shared mobility programme 'Shared Mobility!Naturally'
- Monday September 29th Amersfoort, Netherlands







Follow us on social media (LinkedIn)



Thank you



Share-DiMobiHub North Sea



