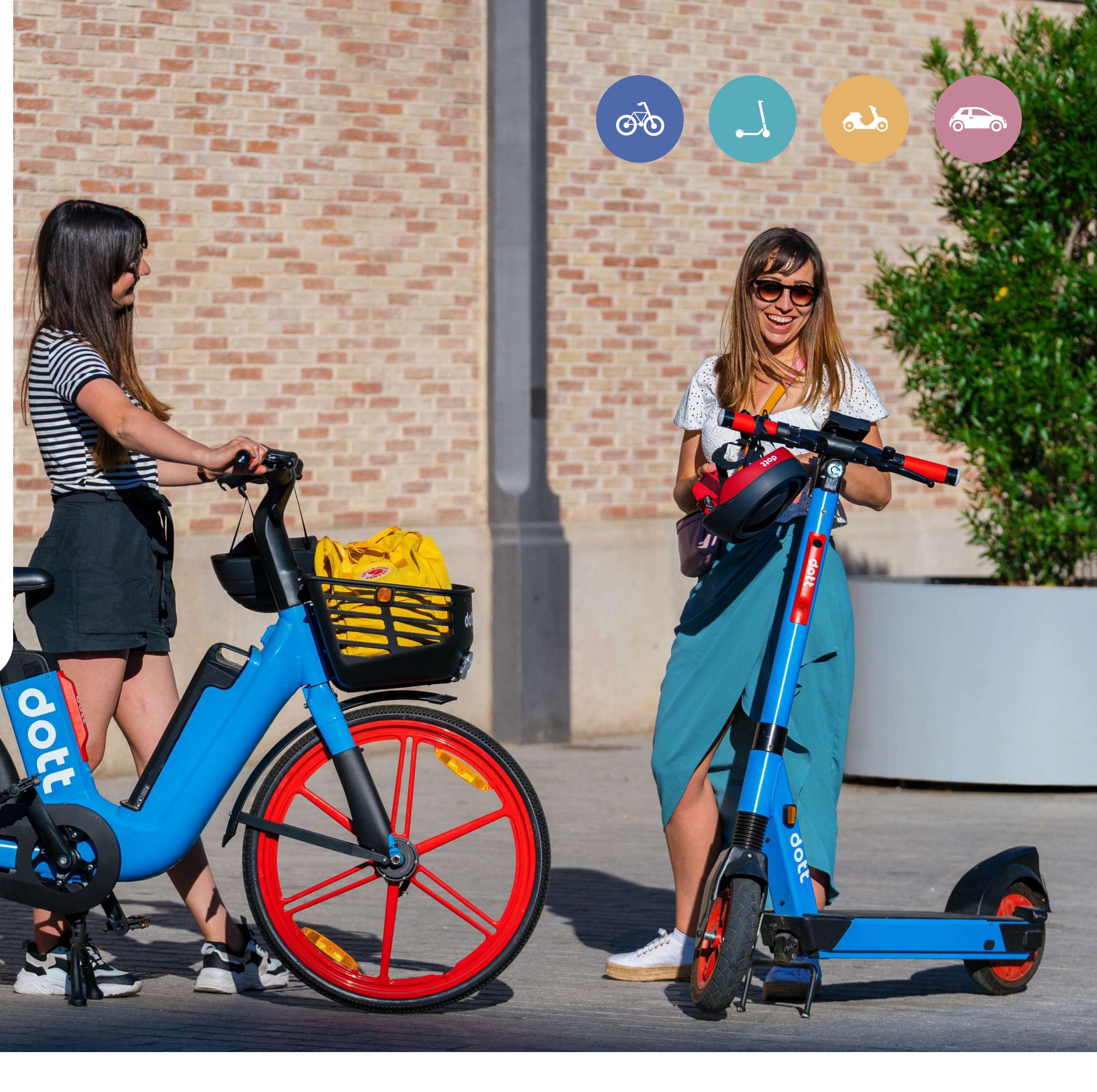


EUROPEAN SHARED BILITY INDEX



















Fully owned by BNP Paribas, Arval is a specialist in full-service vehicle leasing and new mobility solutions. Through our connected solutions and tailored services, companies are able to optimise their employees' mobility and outsource the risks associated with fleet management. We also actively support and advise our customers in accelerating the energy transition, empowering them to be more sustainable.

arval.com

SHARENOW

SHARE NOW is the market leader and pioneer of free-floating carsharing. The company is operating 11,000 vehicles in 16 European cities. More than three million customers are already using the on-demand service that offers rentals from 3 minutes to 30 days and a variety of car models from brands such as BMW, Mercedes-Benz, MINI, smart and Fiat.

Wunder Mobility

Wunder Mobility is the leading software and hardware provider for vehicle sharing. Our highly customizable and deeply integrated software solution is com-plemented by a sharing-ready vehicle program built in partnership with leading manufacturers. Operators of bike-, scoo-ter-, and car-sharing systems in >200 cities on five continents are relying on Wunder technology to complete millions of trips per Mobility month.Wunder was founded in 2014 by Gunnar Froh and is headquartered in Hamburg, Germany.

share-now.com

SUPPORTED BY

BAFANG

Bafang is one of the leading manufacturers of e-mobility components and complete e-drive systems, developing customized solutions for a wide range of electric vehicles since 2003. The company operates worldwide and focuses on all global e-mobility trends of the future: whether for individual concepts for e-bikes, escooters or public bike-sharing systems. Bafang's comprehensive portfolio pro-duct includes motors, sensors, batteries, HMIs, controllers, connectors, and innovative IOT results.

Drover AI specializes in AI-based IoT solutions for last-mile transportation, elevating the performance of fleets while exceeding the regulatory **requirements** of cities. Drover's PathPilot delivers features like sidewalk detection and parking compliance even in the absence of GPS or cellular connectivity, allowing for unmatched control of fleet and user behavior in real time. Drover pairs its edge-based tech with its management platform, Corral, to deliver a variety of unique and valuable insights to operators and cities alike

bafang-e.com



POLIS is the leading network of European local, regional and transport authorities committed to transport innovation. Our focus is on innovations that make urban mobility more sustai-nable, safe, affordable and equitable. We actively support constructive diawith shared mobility logue shape together operators to solutions that serve the public good and drive the shift that we all need to achieve this decade

polis-network.eu



wundermobility.com

drøver

drover.ai



MOVE is a specialised and focused event dedicated to mobility, not an add on to a tech or electronics show. Mobility is changing at an explosive rate – now is the time to attend MOVE and be a part of that change.

This June, MOVE is bringing together 800+ speakers, 150+ exhibitors, 500 startups and 6,000 attendees...



When the going gets tough, the tough get going.

There's no hiding that it has been a challenging start to 2023. The first quarter is always the lowest regarding trips and revenue, but the problem lies deeper.

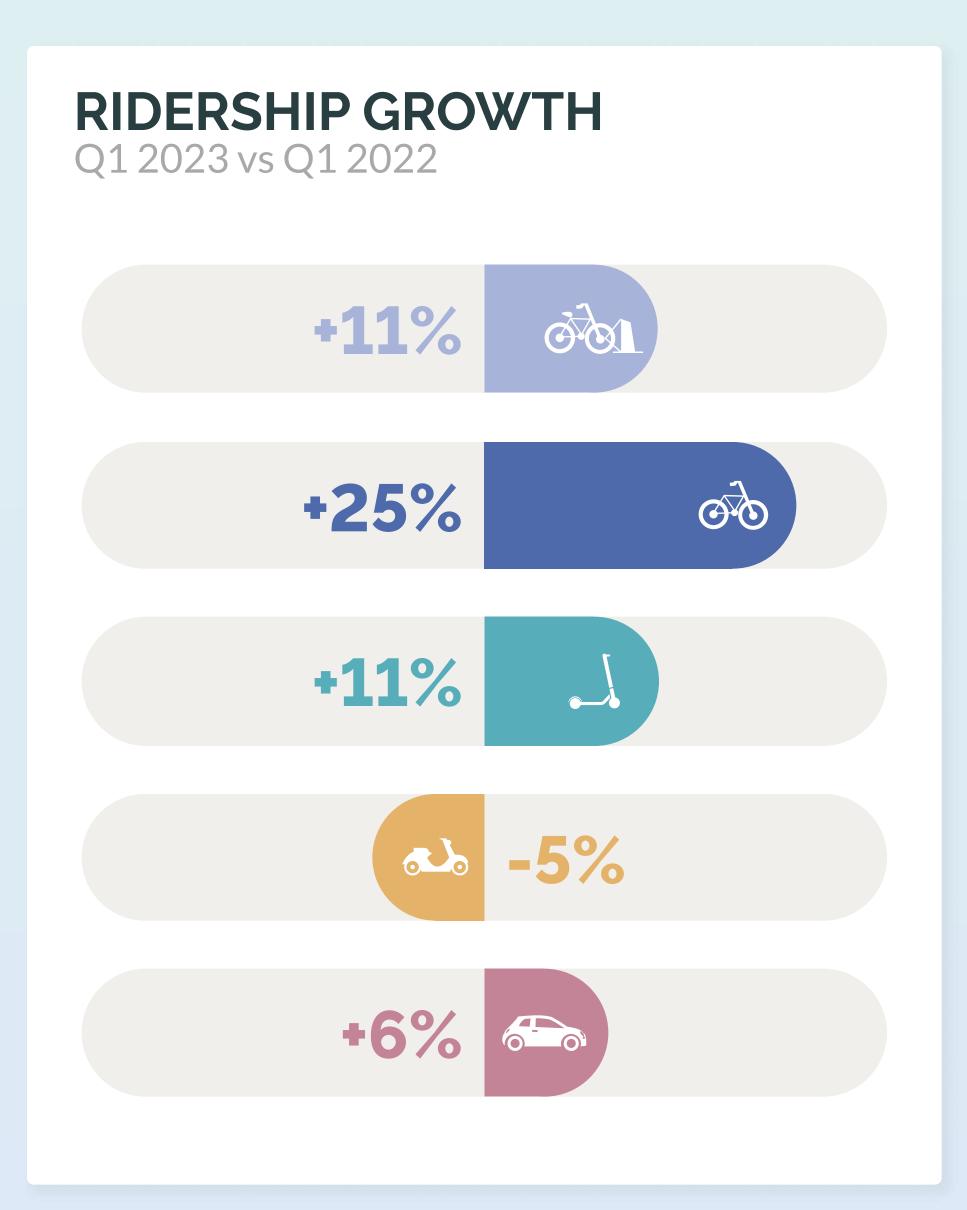
The moment has come where both cities and operators are calling time on some services. For cities, they are limiting the number of vehicles in their cities through permits and fleet caps (to have more control over public space). Paris' vote to ban shared scooters from the capital in April is the most extreme example of this. Operators, too, are calling time on unprofitable markets and leaving cities where there isn't a financially viable model—take Bird's exit from several European countries Reby's disappearance from Spain and GO Sharing's withdrawal from nearly 30 Dutch markets, for example.

Is it the end of the road? Not even close. We see it more as a 'coming of age story' for the shared mobility market. The teenage years are over, and it's time for adult life to begin.

One huge positive is that, despite the removal of vehicles in some cities, ridership is still going up—and trips per vehicle per day are rising. There is significant demand for these services, and each individual vehicle is being used more frequently.

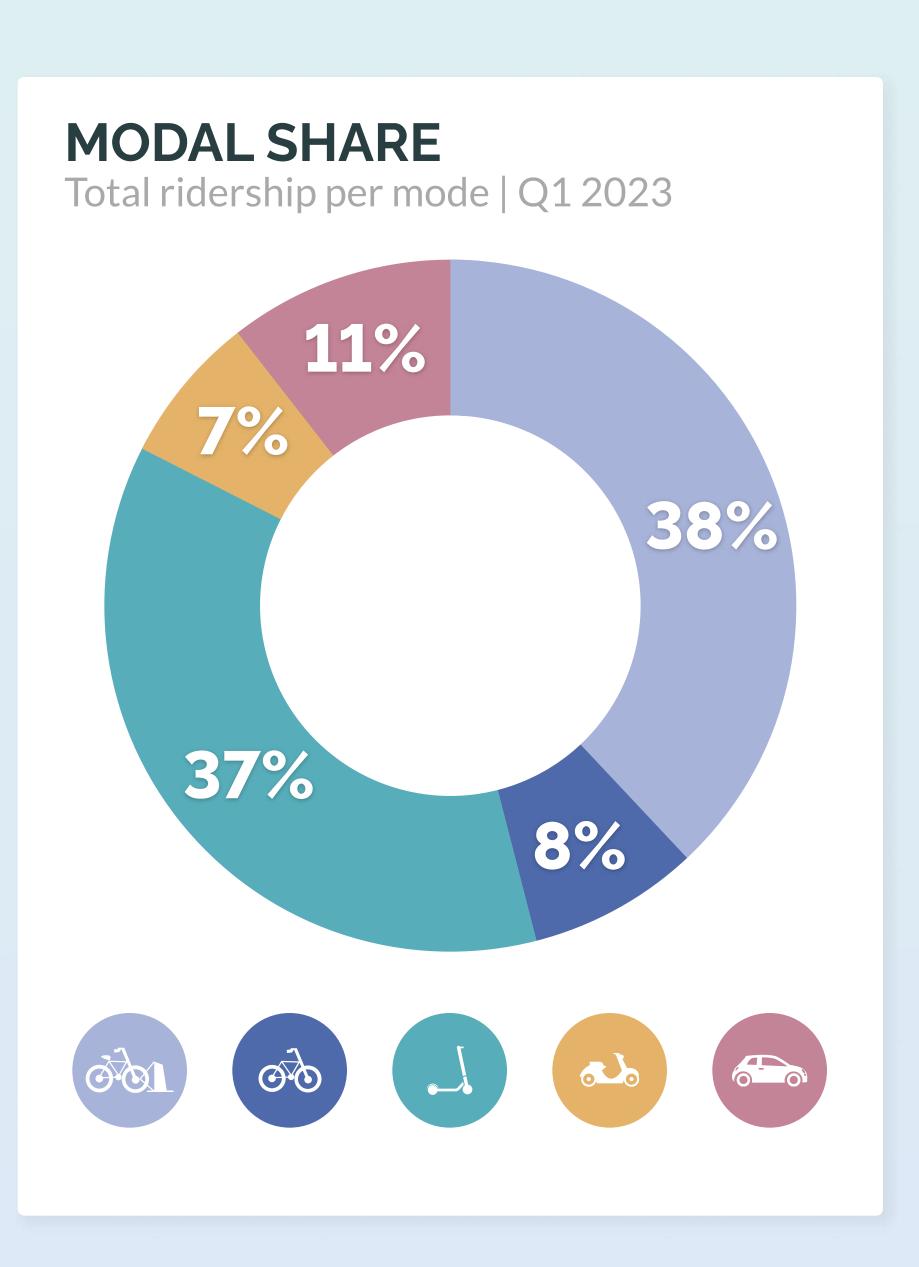
Lessons have been learned, and we are wiser for it. But these new beginnings will have new objectives, and they will have to be achieved with fewer resources.

N.B We've changed the term 'free-floating' bikes (used in previous editions) to 'dockless' bikes. This is simply to reflect the pattern we are seeing around parking (virtual stations preferred to pure free-floating).



YEAR-ON-YEAR RIDERSHIP





OUR 2023 PREDICTIONS



The largest cities in Western Europe have largely reached maximum capacity for scooters. The scooters that are no longer welcome in Paris (or other cities where fleet sizes have been trimmed) won't just disappear, but they will be redistributed to larger cities in Eastern Europe—where there are markets that show a lot of growth potential—and to midsize cities across the continent.



The Arval Mobility Observatory, an industry expert in the recording and forecasting of corporate mobility trends, has published the results of its latest Fleet and Mobility Barometer, an international survey, unique in terms of scope but also in terms of topics discussed. In 2023, 8 622 company decision makers were interviewed to gather feedback from 30 countries covering Europe, Americas, Turkey and Morocco.

2

The size difference between fleets of scooters and bikes will begin to shrink over the course of 2023. Currently there are 400,000 scooters and 255,000 bikes in Europe, but we estimate the number of dockless bikes will grow between 30 and 40% from peak 2022 levels.

The Fleet & Mobility Barometer 2023 indicates five key macro trends for the foreseeable future:

Company fleet size to continue to grow or remain stable: 91 % of all companies surveyed across the 30 countries expect their fleet to remain stable or grow over the next three years

s

Full service leasing to continue to grow, in all types of businesses: with 35 % of companies considering introducing or further increasing the use of this financial method.

Electrified vehicle adoption is clearly accelerating, with 50 % of companies already using at least one alternative fuel technology (HEV, PHEV and BEV) Mobility solutions are increasingly being implemented as an add on to company cars: 71 % of companies have already implemented at least one mobility scheme for their employees (corporate car sharing, bike leasing or a mobility budget are a few of them). 88 % have already implemented or intend to invest in such mobility schemes over the next 3 years.

Real acceleration in the implementation of connectivity with an increase of 10 points compared to last year.

Do you want to learn more? Visit our website and download the full document



We will see a slight decline in the number of active vehicles between now and the end of 2023. However, vehicles will be more efficient, in that they will record more trips per vehicle per day. (It's normal that we will see an increase in fleet sizes during the summer.)



URBAN DENSITY & SHARED MOBILITY

Population density & public transport viability The widely-held belief is that population density plays a crucial role in determining the economic viability of its public transportation services. Essentially, population density is a key factor in the success of mass transit, putting the 'mass' into mass transport.

The density of urban areas is crucial in shaping residents' mobility choices. In densely populated cities, there is a notable shift away from private car usage towards alternative modes of transportation. The proximity of amenities, services, and workplaces in highdensity areas reduces the need for longdistance travel, making walking and cycling more attractive options for short trips. These areas encourage active travel, contributing to improved health, reduced traffic congestion, and lower carbon emissions.

Population density & shared mobility

The same relationship between population density and public transport viability can be seen with shared mobility: services that provide a flexible and cost-effective alternative to private car usage in high-density areas. Access to practical and affordable services encourage residents to choose these shared modes, contributing to a reduction in traffic congestion and positive environmental impact.

Untapped potential

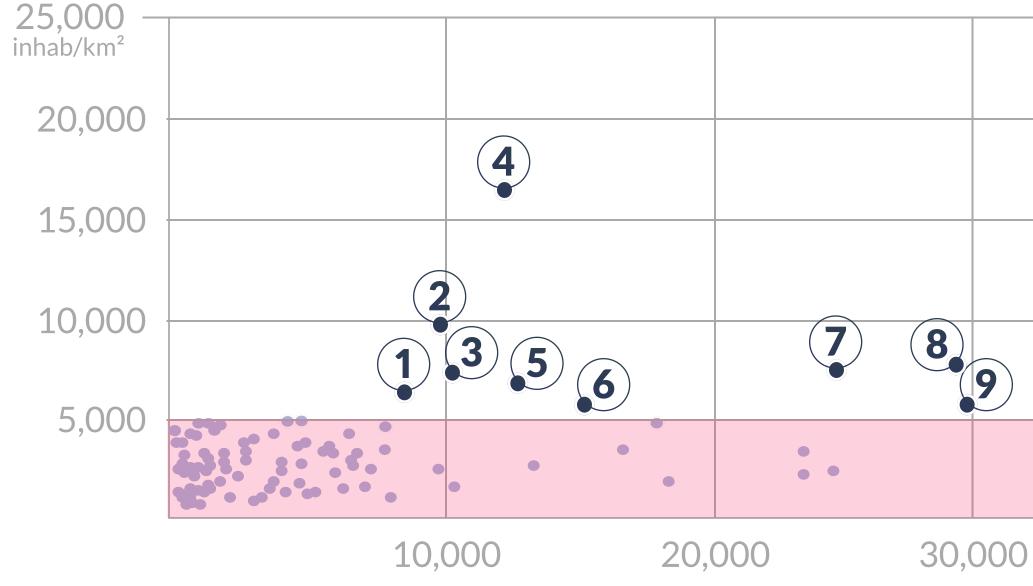
Data collected by Fluctuo in over 90 European cities, shows that all cities with an urban population of over 5,000 inhabitants per km² have over 10,000 shared vehicles (bikes, scooters, and mopeds), except for Copenhagen (8,600 vehicles). This is hardly surprising given that these densely populated cities are also some of the largest cities in Europe.

However, we also found that some of Europe's largest and most densely populated cities (not included in the original 90) were home to fewer than 10,000 shared vehicles. Fluctuo suggests that these cities may not have hit their full potential for shared mobility and might well be hotspots for growth in the coming years.



URBAN DENSITY & SHARED VEHICLES

Population density (inhabitants/km²) against the number of shared bikes, scooters & mopeds



UNTAPPED POTENTIAL

Cities with a density above 5,000 inh./km² and fewer than 10,000 shared vehicles

CITIES	SHARED VEHICLES	POPULATION DENSITY
ATHENS	>1,000	17,475/km²
LYON	8,500	10,909/km²
NAPLES	2,000	7,752/km²
VALENCIA	4,000	5,865/km ²
PORTO	>1,000	5,596/km²

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- **1** Copenhagen
- **2** Bucharest
- **3** Turin
- **4** Barcelona
- **5** Lisbon
- **6** Madrid
- **7** Milan
- 8 Brussels
- 9 London
- **10** Paris

Daily usage is greater in denser areas

The positive correlation between urban population and shared mobility fleet sizes is half the story. The success of shared modes is demonstrated by the number of trips per vehicle per day (TVD), which provides an even more compelling argument.

A large fleet of bikes or scooters in a city suggests that a particular mode is popular, but the TVD tells us whether or not that mode is flourishing. A closer look at TVD in 32 European cities (all of which were part of the original 90 cities) finds that cities with a high population density use shared mobility more. Frontrunners include Paris and Barcelona (Europe's densest cities and cities with the highest utilisation rate of deployed vehicles).

Encouraging shared mobility use

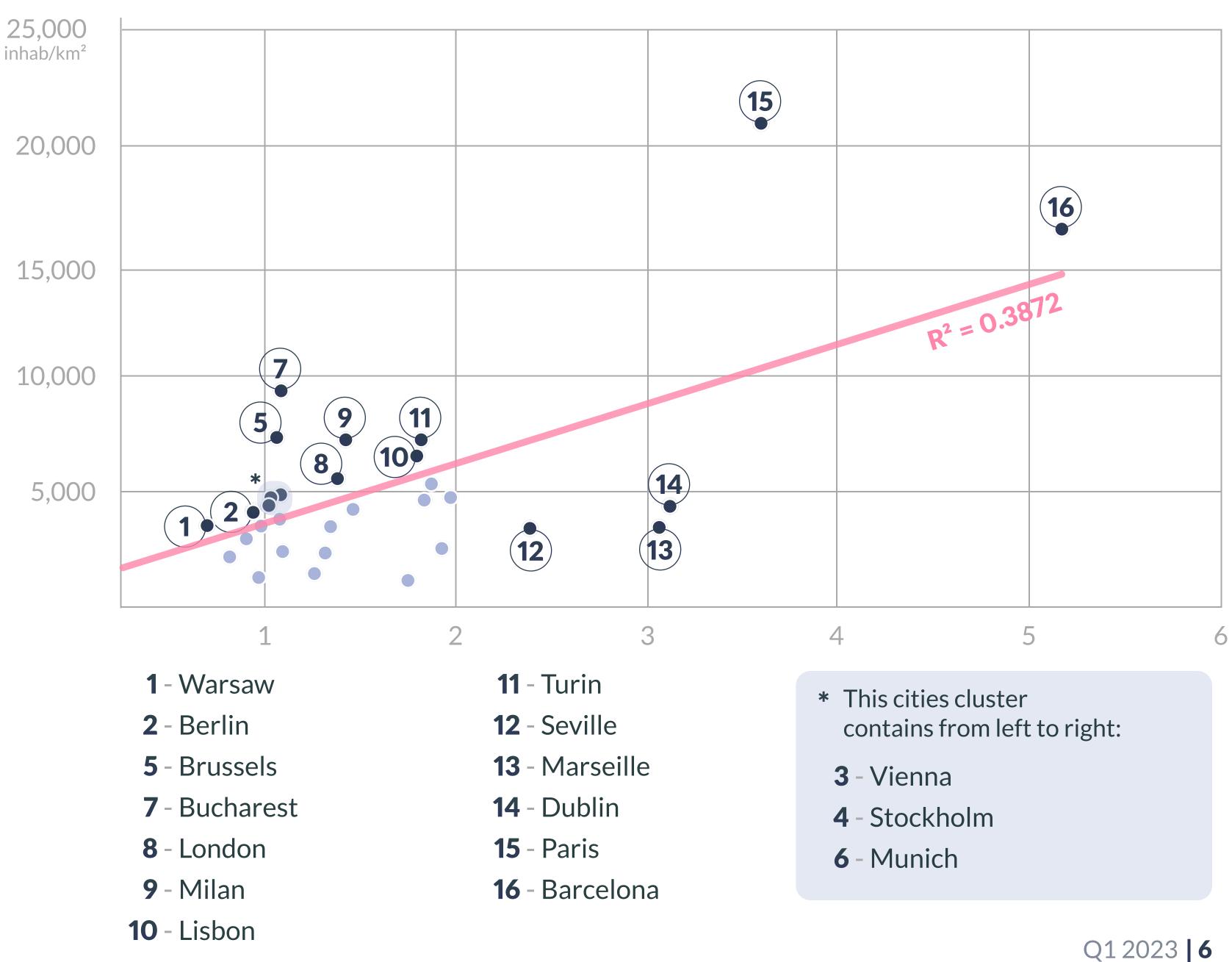
The data supports the theory that population density and mobility choices are strongly linked. Embracing the connection between them can lead to healthier, more livable cities, reduced reliance on private vehicles and an improved quality of life for urban residents. Promoting high density developments/housing, as well as prioritising pedestrian and cycling infrastructure are some of the ways we can get there.





URBAN DENSITY & TRIPS PER VEHICLES PER DAY

Population density (inhabitants/km²) against TVD (bikes, scooters & mopeds)



Vericles FOCUS ON

During the first quarter of 2023, bike schemes continued to trend upwards, solidifying their position as the leading choice for urban commuters. This analysis highlights three key observations that shape the landscape of bike sharing:

Unparalleled growth in bike sharing

Bike sharing maintains its status as the fastest-growing mode of shared transportation since the 1st of January, surpassing scooters, mopeds, and cars. The sustained growth in this sector signals a significant shift in the way people perceive and utilise urban mobility options while bike infrastructure continues to be improved.

Dockless bikes lead the way

Dockless bikes have emerged as the standout performers in bike sharing, with a growth of 33% during the first quarter of 2023. The exponential growth of dockless bikes reflects the increasing demand for flexible transportation solutions that adapt to users' needs and provide greater mobility options.

Weather sensitivity and market position

While dockless bikes have demonstrated steady growth, they are still more sensitive to adverse weather (rain or extreme cold)—impacting ridership and usage patterns of dockless bikes. However, there are 35,000 more of them compared to one year ago, and overall fleet sizes are fluctuating less than before. This resilience suggests that scooter operators' fleet diversification bets have paid off—users are recognising the benefits of these free-floating bikes and are adapting their commuting habits. Mitigating weather-related challenges will become a key focus to ensure a consistent and reliable bike-sharing experience.







RIDERSHIP GROWTH Q12023 vs Q12022 +15%**BIKES IN EUROPE** 255,000

Tenders have become the norm to regulate the use of shared scooters across Europe. There are good ones, and there are bad ones. What makes a good tender?

Why tender?

Public tenders create a level playing field for operators, setting clear criteria and requirements for participation; ensure a transparent and fair selection process; and establish specific quality standards and operational guidelines (e.g. maintenance, safety, parking policy, data sharing, customer service, and environmental sustainability, operational zones). By setting these standards, cities can enhance the overall quality of shared mobility services, making them safer, more reliable, and more popular.

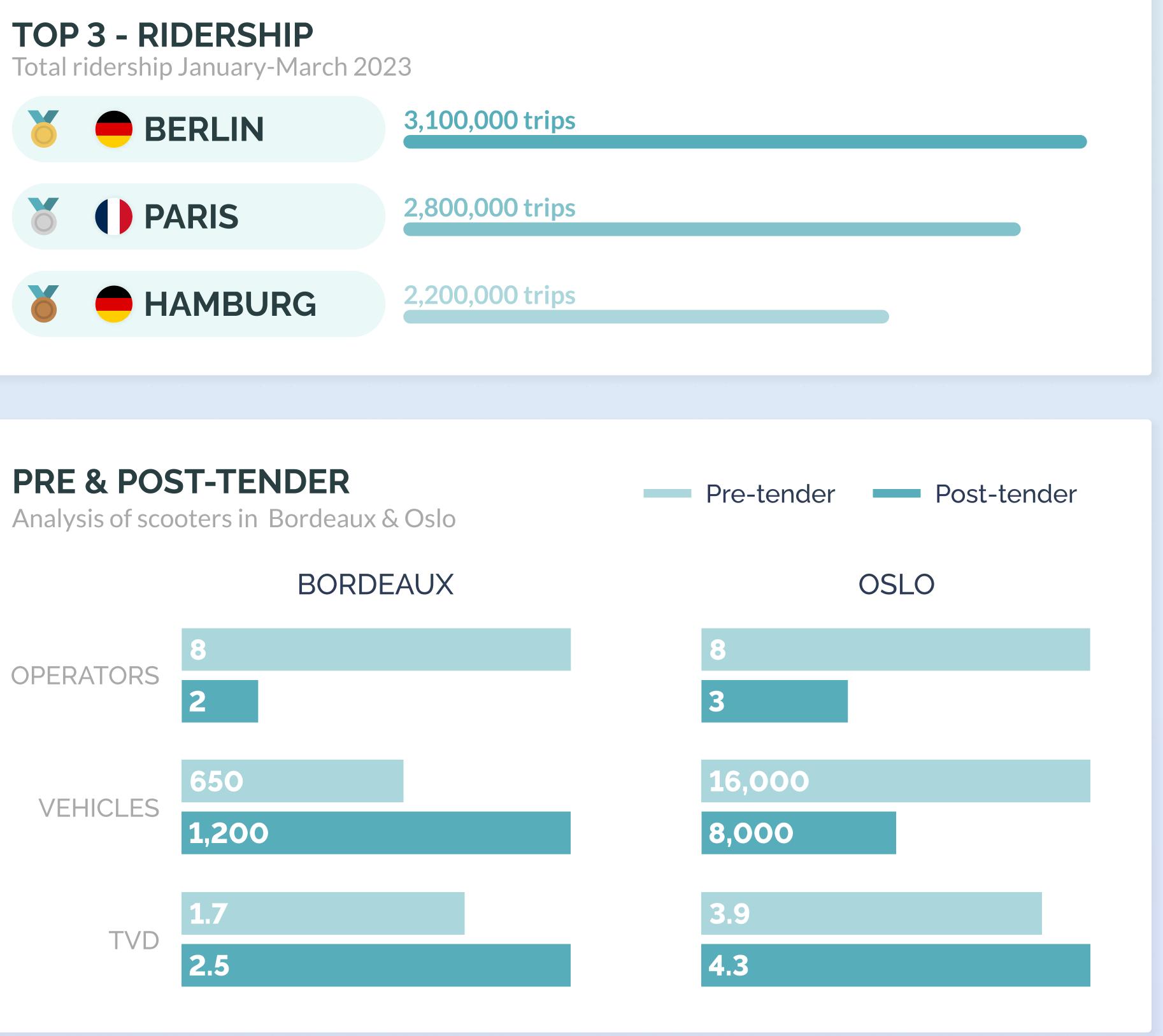
The power of tenders

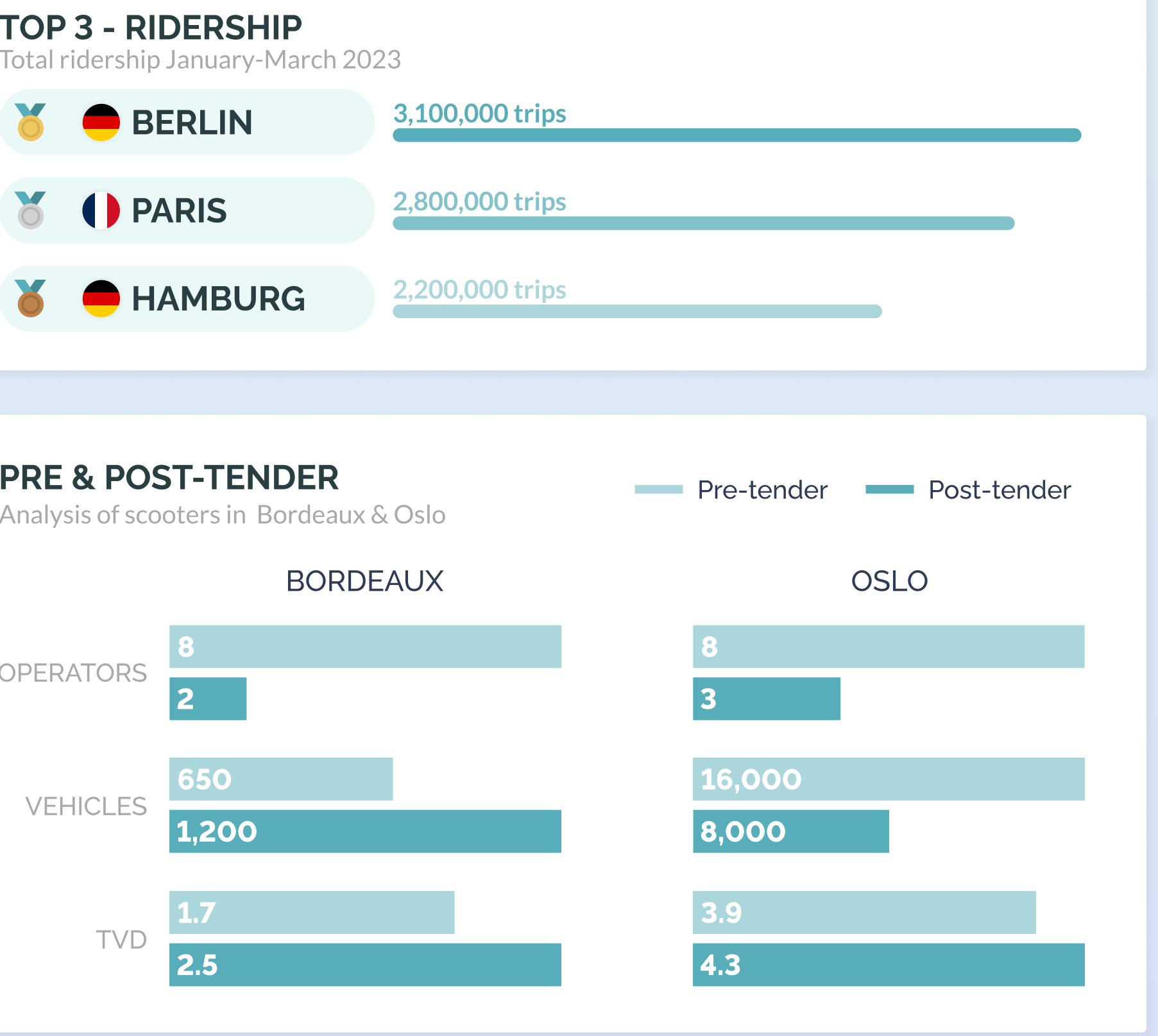
The most crucial part of a tender is the ability to restrict fleet sizes and the number of operators. A good tender is one that sets the ideal conditions for the operators chosen to be profitable, and offer service stability and quality.

Shining examples

Scooter ridership in Bordeaux has increased since the public tender cut 11 operators (bikes, scooters, mopeds) to just 2 for each mode. The winter months (generally unfavourable to scooters) have outperformed all summer months in 2022 and in April 2023: ridership was twice as high as it was a year ago. In Oslo, the tender gave licences to 3 operators (meaning 5 services had to close) and set the maximum total fleet size to 8,000. Each vehicle was used more (from 4 to 5.5 trips per vehicle per day), increasing operator profitability and reducing the occupation of public space.







RIDERSHIP GROWTH Q1 2023 vs Q1 2022 +11% SCOOTERS IN EUROPE 400,000

FOCUS ON



Solution For the first time ever, Fluctuo records a fall in ridership for a specific mode.

Stagnation explained

Our last analysis of 100 cities showed that mopeds appeared in just 37 cities (compared to station-based bikes (74), dockless bikes (57), scooters (87) and cars (62)). As the least present mode, each individual market's performance has a higher overall impact on the global ridership. This quarter saw Reby-affiliated services in Barcelona (avant, iberscot, oiz) exit, meaning that ridership in Barcelona didn't increase as expected. GO Sharing's exit from many Dutch markets (before the acquisition by BinBin) and Acciona's withdrawal from Milan and Rome almost certainly played a part too.

Time to panic?

Not just yet. Q1 is usually all modes' weakest quarter. Ridership in these months are at their lowest and only after an analysis of Q2 and Q3 can we jump to conclusions. Cooltra have just raised €25m, Troopy €10m and Cabify (who also have other interests) raised €100m.

Future of mopeds

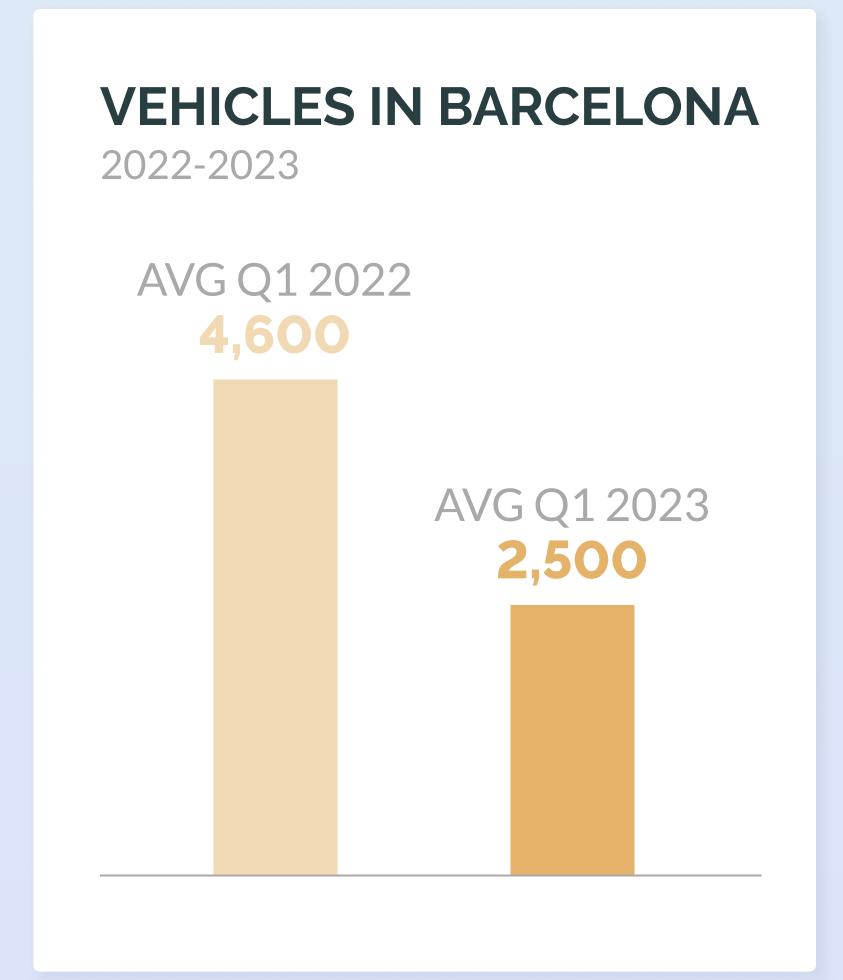
Growth is going steady in France, Spain, Italy and the Netherlands. However, TIER cutting mopeds from Berlin in November 2022, coupled with Felyx's decision to sell its German operations to emmy sharing, demonstrates how challenging operating mopeds can be. Even with TIER's resources and vast experience—and Felyx's success in several key markets in the Netherlands—it seems to be the hardest mode to make a profit with. Fluctuo previously reported that scooters may have hit a glass ceiling; perhaps this is now true of mopeds?







RIDERSHIP GROWTH -5% MOPEDS IN EUROPE 28,000





Car sharing has evolved significantly in recent years. The market has transitioned from being dominated by original equipment manufacturers (OEMs) to a more diverse landscape with independent players. Here are the key trends in the European car sharing industry:

Electrification of fleets

Existing networks aim to shift to EVs quickly, but limited charging infrastructure hampers operators. Moreover, the industry faces supply constraints, making it difficult to obtain EVs suitable for sharing. Over the past 18 to 24 months, acquiring suitable EVs for car sharing has been nearly impossible.

Rise of car sharing in unexpected markets

While car sharing fleets in Western European cities remain stable, some markets have experienced a decline. Overcoming challenges related to Surprisingly, growth is observed in regions that were infrastructure charging and supply previously overlooked. Poland stands out as one of the constraints is crucial for successful EV fastest-growing car sharing markets, with Belgium also integration. As car sharing continues to witnessing a ramp-up. Local players like Poppy are evolve, operators must adapt to changing expanding their presence in multiple directions, while consumer preferences and strive for newcomers like MILES are making their mark. sustainability while maximizing utilization and cost-effectiveness.

Time for experiments

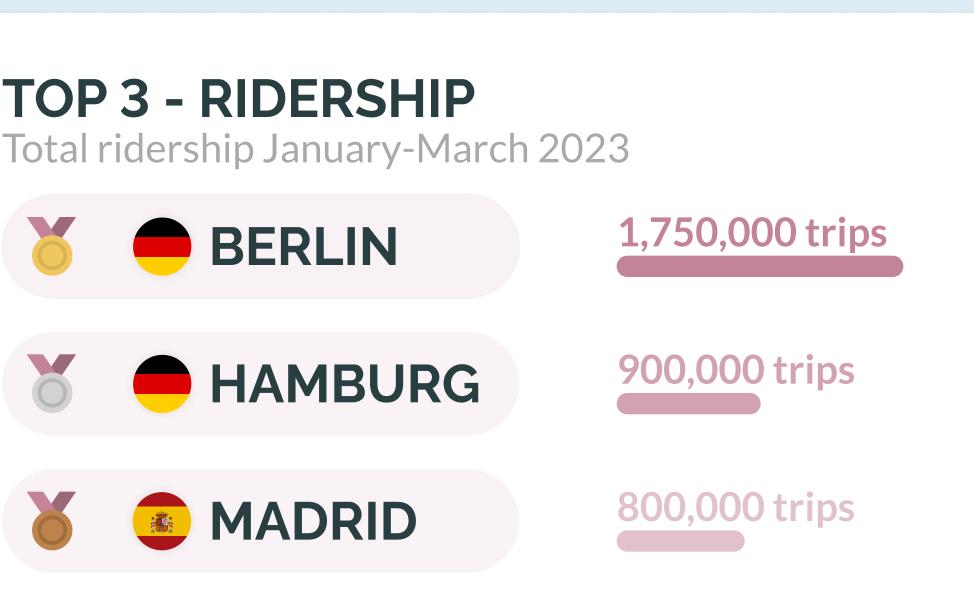
Car sharing operators are pushing the boundaries of traditional models, venturing into new territories and experimenting with diverse approaches. This includes targeting smaller cities and exploring station-based car sharing. ShareNow is piloting station-based sharing in Münster, a city with around 315,000 citizens.

New pricing schemes and efficiency focus In addition to geographical and operational experimentation, operators introducing innovative pricing are schemes to attract customers. They are also focusing on improving efficiency to reduce costs. Damage detection is one area where operators are increasing their efforts, utilizing technology to detect damages immediately and charging users accordingly. Cross-business models are emerging, where cars are dynamically distributed between sharing, rental, and subscription services to maximize utilization.

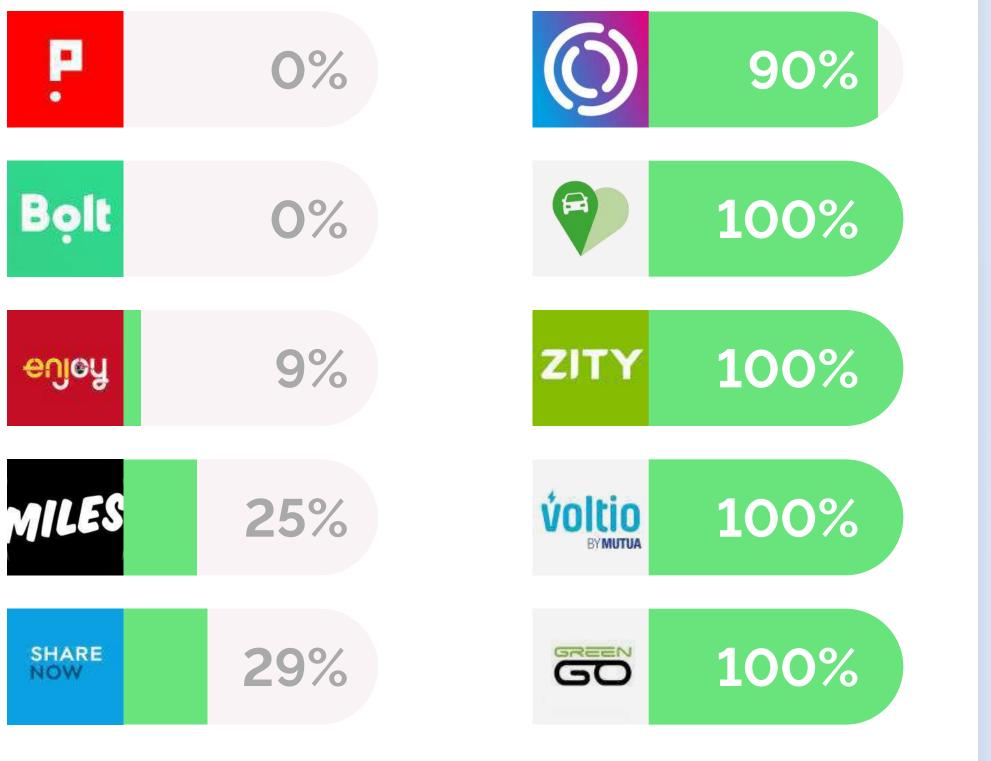
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SHARE

RIDERSHIP GROWTH Q1 2023 vs Q1 2022 CARS IN EUROPE 67,500



ELECTRICATION OF CAR-SHARING



CAPITAL INTELLIGENCE

FUNDRAISING



ACQUISITIONS



Free2Move acquired Share Now. July 2022



Bird Global acquired **Bird Canada**. December 2022







€10m December 2022

€10m July 2022



€13.6m April 2022

> €13.6m November 2022

Zeus acquired Zwings. August 2022

Emmy acquired Felyx. February 2023



Helbiz acquired Wheels. November 2022

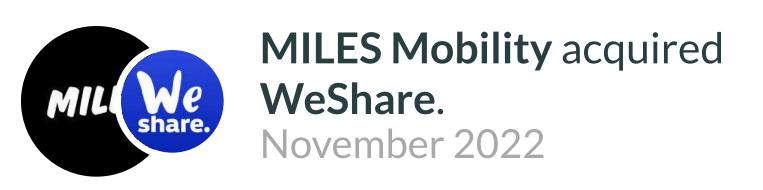


BinBin acquired GO Sharing. February 2023

cabify

Cabify raises a total of **\$140m**:

- 40m in December 2022
- 100m in March 2023





Zeus acquired Zipp. April 2023

Q12023 | **11**



Bafang is innovating for the shared mobility sector, with a system designed to deliver both enhanced rider experience and lower maintenance requirements for fleet operators.

In today's developing shared mobility industry, Bafang—as a global supplier of complete drive systems—hopes to bring some driving force to the industry through its own product technology. Combining an understanding of the shared mobility market and its own technical and product resources, Bafang has proposed a self-developed system technology called the 'auto-shift shaft drive system', which utilizes an auto dual-speed hub motor, shaft drive system and a torque sensor at the bottom bracket.

Bafang has integrated the gearbox into the hub motor which will automatically adjust the gearbox ratio dependent on the centrifugal force produced by the wheel speed. The clutch will change the gear mechanically and the rider will get a better cadence without any manual gear-shifting action, resulting in a smarter, smoother and safer riding experience. Meanwhile, the patented torquesensing technology improves the system's interpretation of the user's intentions, ensuring the appropriate level of assistance is achieved. It is rare to see multi-speed bikes in the shared mobility market, though many users would welcome the additional functionality and flexibility. The reason typically lies with the high maintenance costs associated with traditional multi-speed bikes. However, Bafang's high-integration dual-speed motor can help reduce the maintenance and installation costs required to achieve this by eliminating the need for front and rear derailleurs, gear levers and cables, and so on.

Shared mobility brings convenience, but also means a higher frequency of use for the product, which can present challenges. Therefore, instead of the traditional combination of chain and sprocket, Bafang's shaft drive system utilizes a main transmission shaft that closely matches the front and rear conical gears to transmit power. This directly eliminates the risk of the chain falling off and improves the efficiency of the mechanical transmission so that "arriving faster" is more than just empty words. At the same time, the entire transmission system is in an enclosed working environment, which avoids the entry of external dirt and debris and works to effectively reduce maintenance costs. From the perspective of a bike's design, the high integration of Bafang's 'auto-shift' shaft drive system' offers greater opportunities for simplicity and differentiation.

The development of the industry should be based on user needs, but bike manufacturers and bicyclesharing companies also need to consider product reliability and commercial value. True technological innovation has the ability to meet multiple requirements within an industry, and this is what we see in the combination of Bafang's automatic dual-speed hub motor and shaft drive system. On one hand, Bafang's 'auto-shift shaft drive system' enhances the travel experience for users, and on the other, it improves service efficiency, propelling the industry to a higher level.





POWER YOUR LIFE

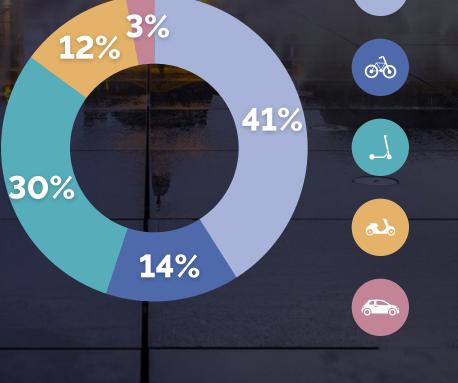
Q1 2023 | **12**



POPULATION DENSITY 5,264/km²

URBAN POPULATION 260,000





FRANKFURT GERMANY



mobility thanks to its kind topography and dense network of cycle lanes. So when free-floating systems appeared, the 13-year-old V3 public bike service was soon joined by a heap of operators. Despite strict fleet caps (100 bikes or scooters per operator) that made operating a challenge, 12 companies offering bikes, scooters or mopeds settled in the city.

In 2022, 24 of the 28 municipalities of the metropole united behind a shared mobility plan with new regulations: the introduction of mandatory parking zones and public space occupation fees, and a tender. 6 operators (2 for scooters, 2 for bikes and 2 for mopeds) have been selected out of 20 applications, and they are now offering larger services.

With Frankfurt airport being one of the world's busiest airports, it's no surprise that the city is a global hub for transportation. As is the case with all major German cities, there is a high demand for car-sharing services; the number of trips per vehicle per day for cars is higher than any other mode.*

October 2022, the German In government approved a €6.3 billion plan to increase the number of EV charging stations over the next three years. By April 2023, the number of charging stations had risen by 35%, well ahead of schedule to achieve the target.

*Car-sharing is the least resistant to seasonality; it being the first quarter, the usage of other shared mobility vehicles (bikes, scooters, and mopeds) would understandably be lower in the winter months.

Bordeaux is a hotspot for shared

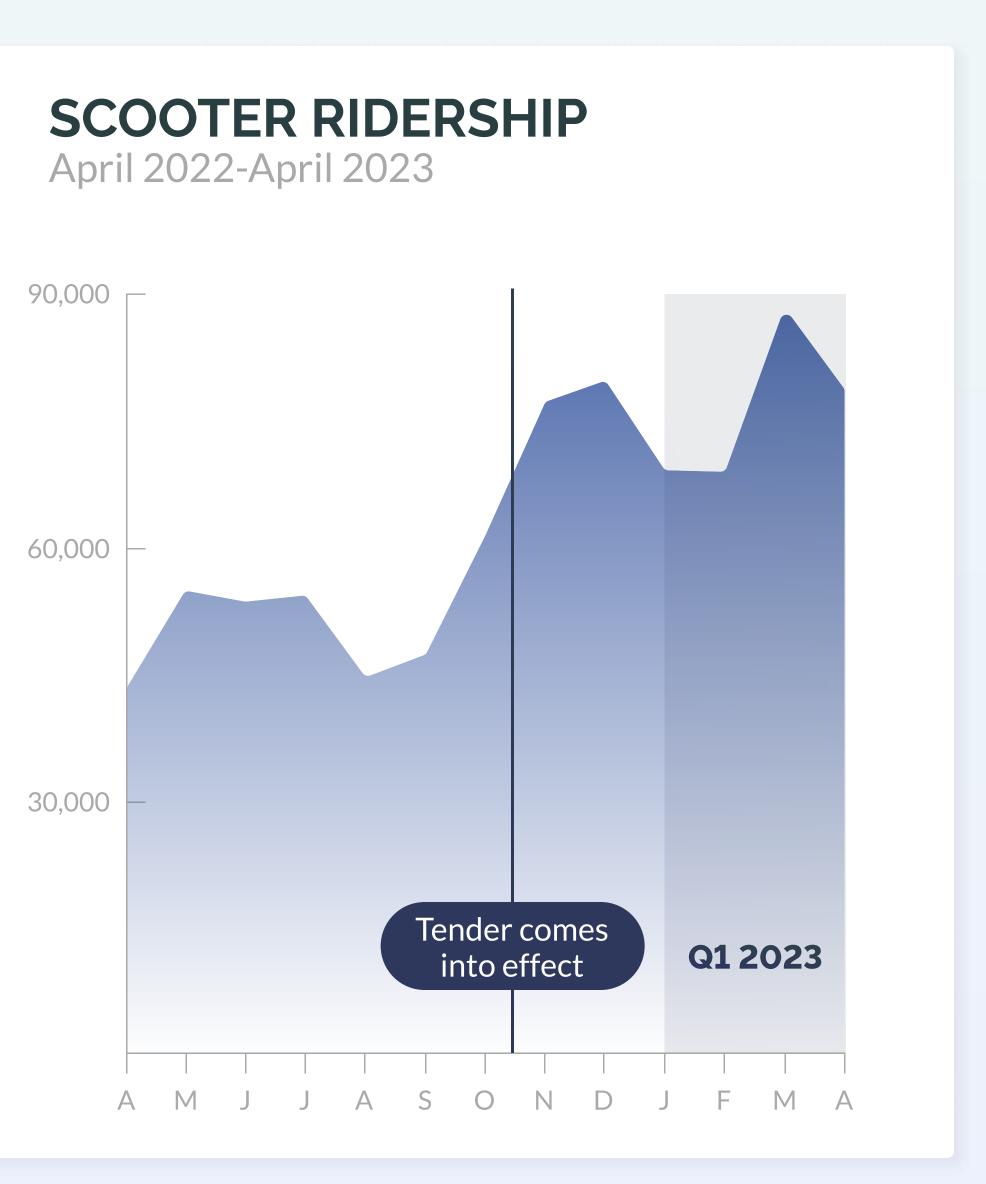
Riders seem to have benefited from the reduced number of services that each provide more vehicles; ridership in Q1 2023 has grown by around 40% compared to Q1 2022. Significantly, the number of trips per vehicle per day have risen—much to the delight of operators and the city.

Trips per	vehicle per day	-
	Q12022	1.6
	Q12023	2.3
620	Q12022	2.4
	Q12023	3.5

TVD - Scooters & Mopeds

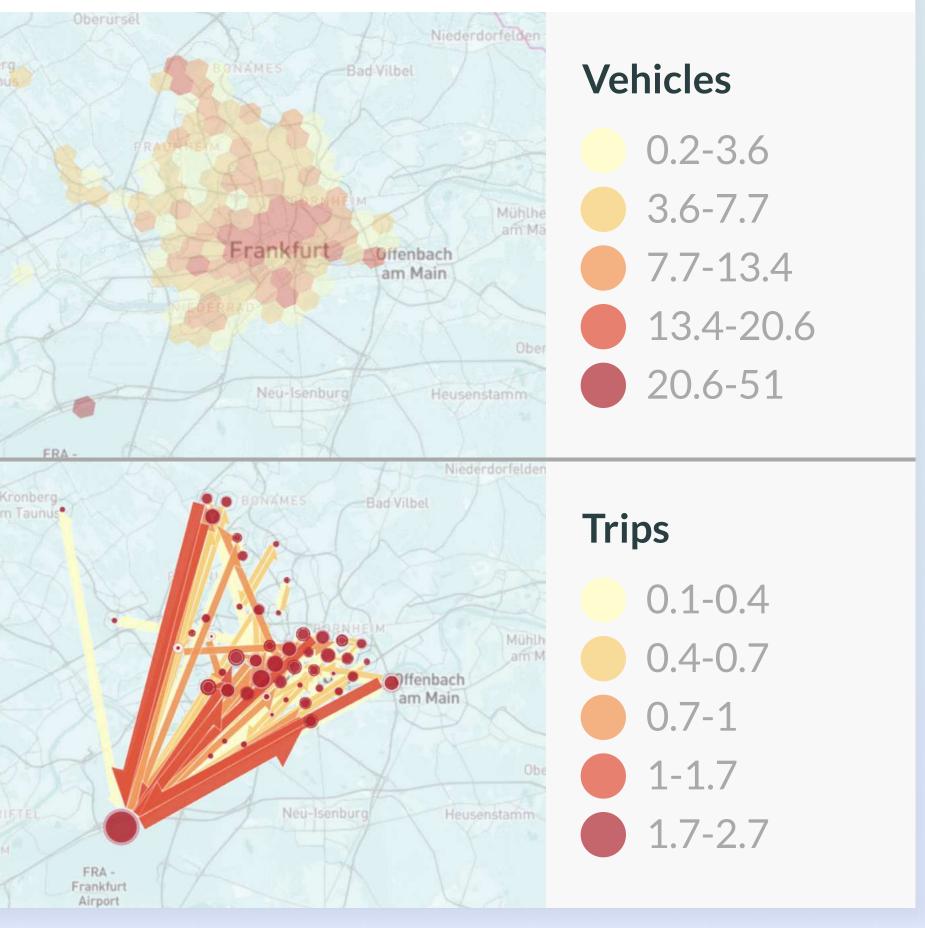
At the end of Q1 2023, almost 4.5 million people in Germany registered with a car-sharing company—a 30% increase from the previous year-a figure which will only grow as the deployment of more charging stations makes electric car sharing more convenient, and the popularity of carsharing continues to grow.

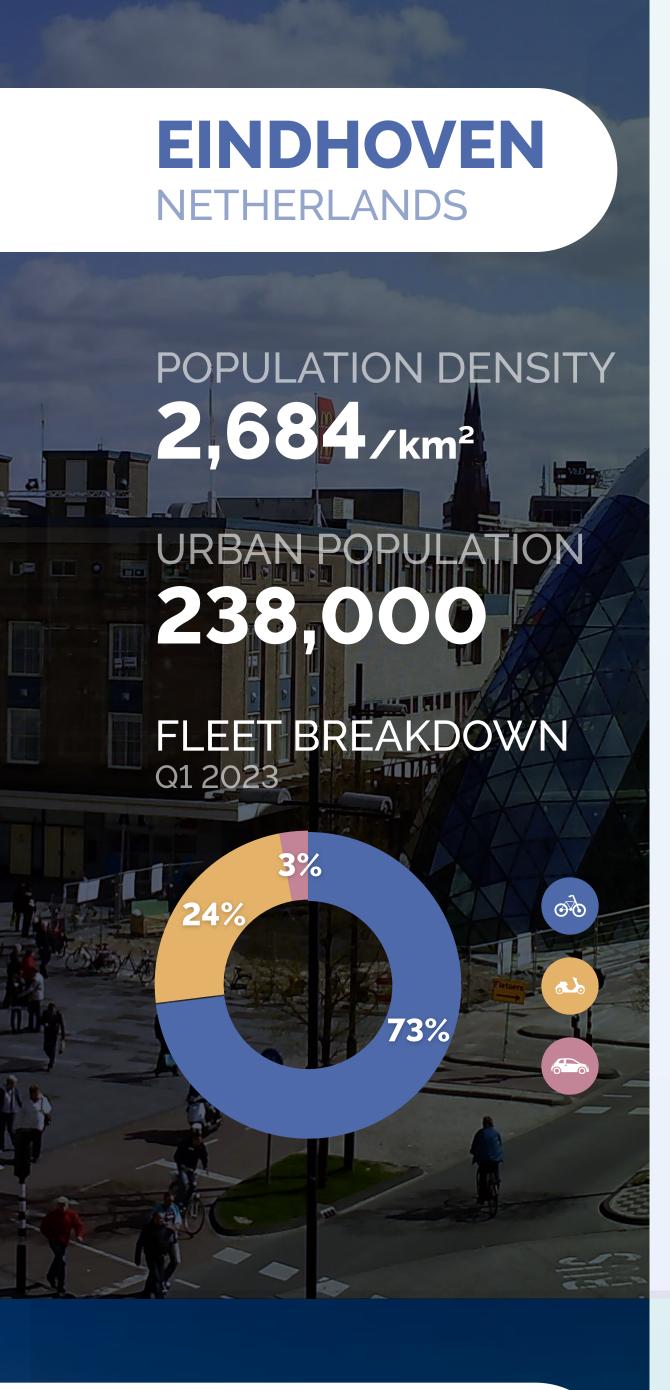
In September 2022, EVs from deer and UFODRIVE joined the fleets of shared cars at Frankfurt Airport. Heatmaps from City Dive show that: the densest area for shared cars is at Frankfurt Airport, and the highest number of trips have the airport as either a destination or starting point. It is clear that the shared electric cars are being put to good use, and that car-sharing is crucial for making trips beyond the city limits.



FRANKFURT HEATMAPS

January-March 2023





MALAGA SPAIN



Eindhoven offers an extensive range of bike services: from electric bikes to cargo bikes, to the nationwide trainstation-based OV-fiets. Despite the lack of scooters (banned in the Netherlands), 1,500 bikes must compete with another popular mode in local transport culture: mopeds.

Around 500 vehicles from local moped operators Felyx and GO Sharing are available in Eindhoven. But Q1 2023 has seen a 32% drop in ridership compared to Q4 2022, perhaps due to the introduction of mandatory helmets for snorfiets (mopeds with a 25 km/h speed limit). Summer looks brighter with more vehicles on Eindhoven's streets: after some financial difficulties, GO Sharing is back after its acquisition by the Turkish company BinBin. The importance of

Malaga finds itself in a bit of a pickle. When the City Council decided to launch a tender to select a single operator for shared bikes and scooters in the summer of 2022, it was blocked by the National Commission for Markets and Competition (CNMC). The body requested that the city cancel the tender as choosing one single operator for both services is in breach of the 'Market Unity Guarantee Law'. Awaiting the outcome of this judicial appeal, the city granted temporary licences to 6 scooter and 2 bike operators for 2023.

This unique situation has resulted in a low utilisation rate of both scooters and bikes (under 0.5 rides/vehicle/day in Q1 2023).



Want your city to be featured? Get in touch: harry.maxwell@fluctuo.com

local operators is confirmed in the carsharing landscape through leading Dutch operators such as Greenwheels and MyWheels, though still with relatively small fleets.

The municipality is working actively to develop shared mobility services: it launched its first mobility hub in Buurschap te Veld and is set to implement 4 more within the city in order to answer citizens' worries about parking and promote usage of those services.

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24% of all trips take place during the morning peak hours

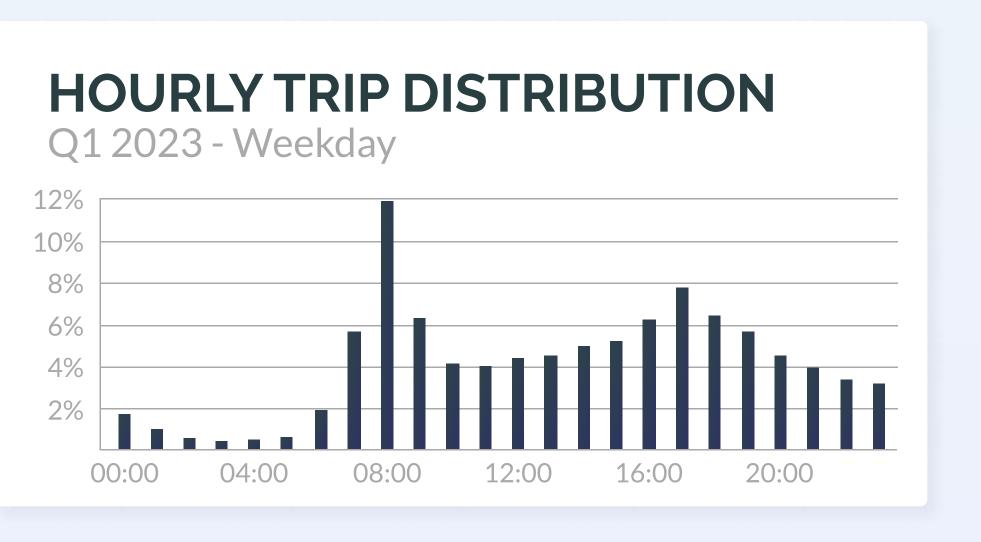
Whilst efforts have been made to address low parking density with 50 parking zones implemented near bus stops, metro and train stations to promote intermodality, there is still work to be done.

Despite the situation, moped services, which are operated under a freefloating model, are far more successful with 2.85 rides/vehicle/day.

FLEET BREAKDOWN

Q12023

MODES	ক্ত	626	6
SERVICES	5	2	2
VEHICLES	1,500	500	65



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TVD - All modes

Trips per vehicle per day - Q1 2023

T	0.39
	0.32
61	2.85



METHODOLOGY

The European Shared Mobility Index gives an overview of the entire European market. An analysis of 100 European cities selected to highlight diversity in size, geography and market characteristics serves as the basis for the overall market sizing. A group of 33 cities were used to reflect the overall ridership trends for the report.

The Index encompasses shared bikes, scooters, mopeds and cars. Ride-hailing services (e.g. Uber, FreeNow), car-pooling (e.g. Klaxit, BlaBlaCar) and long-term rental services (e.g. Swapfiets) are not included. As regards to car sharing, only rentals by the minute, hour or day are included.

Multi-day rentals are not included. Vehicle and trip data was sourced directly from operators, open data sources, mobile applications and public announcements. Industry averages and some data extrapolation were used to fill remaining data gaps.

Companies who contributed financially to this report have not received any favourable treatment.

ABOUT **M** fluctuo

Shared mobility is essential for building cleaner, more livable cities.

Fluctuo is the leader in mobility enablement. We provide key stakeholders with the most exhaustive, accurate data on the market to accelerate the growth of shared mobility.

Everyone knows how important data-driven decisions are. Well, trying to make data-driven decisions without all the facts is like trying to do a jigsaw puzzle with all the edge pieces missing. City Dive allows users to make decisions based on the full picture. Our team of mobility experts combine innovative data-collection methods with sophisticated algorithms to produce the most exhaustive and precise data on the market. Every day, we analyse services in 180+ cities, giving operators the means to improve the performance of their operations, and cities the opportunity to benchmark their mobility ecosystems against others.

Try for free

Looking for precise data points in specific cities? Get in touch with us to request access to high-level data on available vehicles, vehicles used, trip distance, trip numbers and more. Fluctuo also provides geospatial data to understand demand and supply in cities across Europe.

Get in touch





THANKS TO

ARVAL (Amélie Phelipp & Simon Coppenolle) Bafang (Winnie Luo) Drover AI (Alex Nesic) SHARE NOW (Patrick Dillenberger) Segway-Ninebot (Vivi Fu) Wunder Mobility (Arne Lumme & Rosa Cruz) POLIS (Karen Vancluysen & Pedro Homem de Gouveia) Augustin Friedel

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Created by **Fluctuo**

Harry Maxwell Project Lead

Anatole Reboul Analysis

Constantin Krieg Design

Ellee Su Content