The role of e-bikes and e-scooters in Mexico City: Case of study
In Mexico City around 298,000 trips are done by bicycle which is around 1.7% of all trips¹.

1. CDMX (2018) Plan Bici
4.6% of all the bicycle trips are done in e-bikes².
The role of e-bikes and e-scooters in Mexico City: Case of study

Distribution use of e-bikes in Mexico City

Source: Datos Abiertos CDMX Conteo Ciclista 2018
Electric micromobility share systems

2018

Pedal assisted bicycles in Ecobici
February 14, Pedal assisted bikes in Ecobici

2018

Micromobility share systems. First pilot
March. Dockless bikeshare systems first pilot. 1,100 bicycles allow to operate
July. Grin (e-scooter) and Dezba (e-bikes) start to operate

2019

Micromobility share systems. Second Pilot
February 6 to March 25 (45 days) 1,100 bicycles and 500 e-scooters
Dezba (e-bikes) Mobike and Vbike (mechanical bicycles) Bird, Lime and Movo (e-scooters)

Micromobility share systems. First pilot (45 days). 500 e-scooters allow to operate. (Bird and Lime)
Electric micromobility share systems

2019

Micromobility share systems
March 26
Dockless Regulation Guidance

2019

Micromobility share systems
June 28
Start of the annual permit

2019

Micromobility share systems
August 13
Jump start to operate
Electric micromobility share systems

Ecobici

340 pedal assisted bicycles and 28 new stations

5% of the total fleet are pedal assisted bicycles and in 2019, 3% of the trips were made by this bicycles³.

³ Ecobici Estadisticas https://www.ecobici.cdmx.gob.mx/es/estadisticas
Electric micromobility share systems

Monthly percentage of e-bikes use in Ecobici system

Yearly in 2018, 2% and in 2019 - 3%

Source: Ecobici Estadisticas
https://www.ecobici.cdmx.gob.mx/es/es estadisticas
Electric micromobility share systems
E- bikes

Dezba started with 150 bicycles in July 2018 and now it has +450 bicycles operating.

From the second pilot, the average distance obtained for the trips done by Dezba was 3.7 km with an average time of 27 minutes⁴.

Jump started with 1,900 bicycles in August 2019

Electric micromobility share systems

E-scooters

Grin was the first company to start operating in Mexico city and currently can operate 1,750 e-scooters.

Bird currently can operate 1,750 e-scooters.

From the second pilot test, the average daily trips was **3,600**, and on weekends **3,200**. This trips were done mainly from 13 hours. The average distance was **1.6 km**, and around 40% of the trips were less than 1 km. The average number of trips per e-scooter were between **3 to 4 uses**. 

Individual Sustainable Transportation Systems (SITIS)

1. Operation
2. Service units parking
3. Maintenance
4. Capacitation and communication
5. Contract
6. Insurance
7. Operation Data
8. App
9. Advertising and sponsorships
10. Supervision and monitoring
11. Procedure and penalties
5.1% of the area of Mexico City cover by this systems
Next steps and challenges

● Expand the service area to cover a bigger percentage of the city area.
● Accessibility to a broader range of population.
● Much more equitable systems.
● Clearance in the use of the system and public space.
● Much more robust data to analyze the benefits and challenges of e-bikes and e-scooters in the city.
Thank you!

::: mexico.itdp.org ::: @ITDP ::: 

Sonia Noemi Medina Cardona
sonia.medina@itdp.org

@ITDPMx