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Collaboration
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Support
Instituto Clima e Sociedade
Urban bus fleets are the primary means of urban mobility for Latin American citizens; however, most of these fleets still run-on Diesel, an obsolete and highly polluting technology. Many Latin American cities are making energy and technological transitions in their bus fleet to face the double challenge imposed on diesel engines by air quality and climate.

The objectives of the platform are: (1) to monitor and map the fleets of electric buses in operation; (2) to promote data transparency; (3) to quantify the CO2 emissions avoided through the operation of these vehicles. When appropriate, the platform also shows the potential to prevent premature deaths due to improved air quality if all buses were electric rather than traditional Diesel.

This booklet presents a data synthesis of E-BUSRADAR.ORG for systems that operate in Latin American cities and metropolitan regions that already had electric buses in their urban fleet in September 2020. We did not count the number of electric buses that have already been acquired by municipalities but were not incorporated into their fleets by September 2020.

To learn about our avoided CO2 calculation methodology (developed by IEMA in Partnership with ICCT), see this document.

To learn about our methodology for the projections of premature deaths avoided (developed by the C40 Benefits team), see this document.
Evolution

Electric Buses Fleets

Emissions savings per year (kt)
Ranking

**Countries**
- Chile: 819
- Mexico: 369
- Brazil: 349
- Argentina: 107
- Ecuador: 105

**Cities**
- Santiago: 776
- Mexico City: 344
- São Paulo: 217
- São Paulo AM*: 96
- Quito: 85

**Manufacturers**
- BYD: 636
- Yutong: 319
- Foton: 215
- Eletra: 73
- Sunwin: 26

* Metropolitan Area
Latin America

Electric Buses

Type of vehicle
- Trolleybus
- Midi e-bus (8-11m)
- Standard e-bus (12-15m)
- Articulated e-bus (>18m)

Manufacturers
- BYD
- Yutong
- Foton
- Elettra
- KingLong
- Sunwin
- Zhongthong
- Ankai
- Outros

218.49 kt
CO₂ savings per year
Cities that have electric fleet:
La Reina
Las Condes
Santiago
Valparaiso

88.68 kt
CO₂ savings per year

Type of vehicle

Manufacturers

Chile
Mexico

Cities that have electric fleet:
Mexico City
Guadalajara

42.24 kt
CO₂ savings per year

Type of vehicle

Electric Buses
369

Manufacturers

Electric Buses
369

- Trolleybus
- Midi e-bus (8-11m)
- Standard e-bus (12-15m)
- Articulated e-bus (>18m)
- Outros
- Yutong

E-BUS RADAR.ORG
Electric Buses
Latin America
Brazil

Cities that have electric fleet:
- Bauru
- Brasilia
- Campinas
- Maringá
- Santos
- São Paulo
- São Paulo-Metropolitan Area
- Volta Redonda

42.31 kt
CO₂ savings per year

Type of vehicle
- Electric Buses
  - Trolleybus
  - Midi e-bus (8-11m)
  - Standard e-bus (12-15m)
  - Articulated e-bus (>18m)

Manufacturers
- Electric Buses
  - Eletra
  - BYD
  - Outros
### Cities that have electric fleet:
- Buenos Aires
- Córdoba
- Mendoza
- Rosario

### Argentina

<table>
<thead>
<tr>
<th>Type of vehicle</th>
<th>Count</th>
<th>Manufacturers</th>
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<tbody>
<tr>
<td>Electric Buses</td>
<td>107</td>
<td>BYD, Zhongtong, Yutong, Outros</td>
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<tr>
<td>Trolleybus</td>
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<td>Midi e-bus (8-11m)</td>
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<td>Standard e-bus (12-15m)</td>
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<td>Articulated e-bus (&gt;18m)</td>
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12.12 kt

CO₂ savings per year
Ecuador

Cities that have electric fleet:
Guayaquil
Quito

11.90 kt
CO₂ savings per year

Type of vehicle

Manufacturers

E-BUS RADAR.ORG
Electric Buses
Latin America
Colombia

Cities that have electric fleet:
Bogotá
Cali
Medellin

8.95 kt
CO₂ savings per year
Venezuela

<table>
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<th>City that has electric fleet:</th>
<th>Mérida</th>
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<table>
<thead>
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<th>Type of vehicle</th>
<th>Manufacturers</th>
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<tbody>
<tr>
<td>Electric Buses</td>
<td>Electric Buses</td>
</tr>
<tr>
<td>45</td>
<td>45</td>
</tr>
<tr>
<td>5.08 kt</td>
<td>CO₂ savings per year</td>
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</table>

- Trolleybus
- Midi e-bus (8-11m)
- Standard e-bus (12-15m)
- Articulated e-bus (>18m)

Outros
Uruguay

Cities that have electric fleet:
Canelones
Montevideo

4.06 kt
CO₂ savings per year
Barbados

Ciudad con flota eléctrica: Bridgetown

2.58 kt
CO₂ savings per year

Type of vehicle

- Electric Buses: 33
- Trolleybus
- Midi e-bus (8-11m)
- Standard e-bus (12-15m)
- Articulated e-bus (>18m)

Manufacturers

- Electric Buses: 33
- BYD: 2
PARAGUAY

City that has electric fleet: Asunción

0.23 kt CO₂ savings per year

Type of vehicle
- Electric Buses: 2

Manufacturers
- Electric Buses: 2
  - BYD

The diagram illustrates the electric bus fleet in Paraguay, with a focus on Asunción. There are 2 electric buses, manufactured by BYD, resulting in a CO₂ savings of 0.23 kt per year.
Panamá

City that has electric fleet: Panamá City

0.21 kt
CO₂ savings per year

Type of vehicle

- Electric Buses: 2
- Trolleybus: 1
- Midi e-bus (8-11m): 1
- Standard e-bus (12-15m): 1
- Articulated e-bus (>18m): 1

Manufacturers

- Electric Buses: 2
- BYD: 2
PERU

City that has electric fleet: Lima

0.13 kt
CO₂ savings per year

Type of vehicle

Manufacturers

Electric Buses

1

Electric Buses

1

BYD

Trolleybus
Midi e-bus (8-11m)
Standard e-bus (12-15m)
Articulated e-bus (>18m)
About us

Development
LABMOB UFRJ

Partnership

Collaboration

Support

Contact

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