

# Deep Dive City Barranquilla Colombia

[ebus.transformative-mobility.org](https://ebus.transformative-mobility.org)  
[@TUMInitiative](https://twitter.com/TUMInitiative)  
[@transformativemobility](https://facebook.com/transformativemobility)  
[Transformative Urban Mobility Initiative](https://www.youtube.com/channel/UC...)

## General Information about the City<sup>1,2,3</sup>

Population  
 1.3 million (2019)

City area  
 154 km<sup>2</sup>



Average temperature  
 27 °C

Annual rainfall  
 1300 mm/year

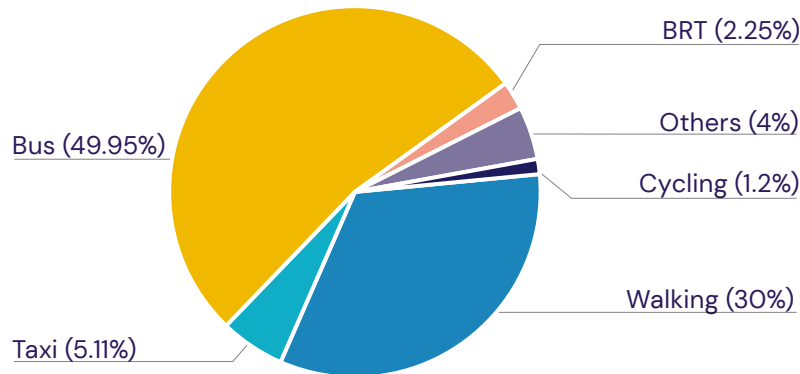
Climate risks  
 Extreme temperature (hot, aridity)  
 Flood (coastal flood)

Number of car ownership  
 123.4 cars per 1000 inhabitants

GDP (US Dollars)  
 7.899 millions

## Urban Mobility System<sup>4,5,6,7,8,9</sup>

Modal split  
 Daily trips 2,207,059



### Public transport modes

- Bus
- BRT TransMetro
- Taxi

### Total no. of routes / buses

13.3 km length (BRT) in 12 trunk routes  
 2980 buses  
 260 buses (BRT)  
 5 trunk routes with 122 buses  
 25 feeders with 82 buses



Carried passengers  
 (Avg. daily demand)

2019: 1 M pax/day  
 139 000 Pax in BRT before COVID  
 2021: 60 000 Pax in BRT

Gender equity  
 (Share of women of all public transport passengers)

68%

# Climate and Urban Mobility Policies<sup>10,11</sup>

## Vision for net zero urban mobility

- Enhancement of Transmetro system;
- Implementation of RITMO;
- Enhance non-motorized transport;
- Modal shift towards public transport and non-motorized modes.



## Political commitments<sup>10,11</sup>

Country commitment – 20% GHG comparing with the projected value to 2030 (Aligned with Paris Agreement).

Law 1964, 2019 – commitments with clean vehicles at national level.

- 2025 – 10% total procurement with e-buses
- 2027 – 20%
- 2029 – 40%
- 2031 – 60%
- 2033 – 80%
- 2035 – 100%

### References:

1 C40 <https://www.c40.org/cities/bogota/>

2 <https://www.dane.gov.co/index.php/estadisticas-por-tema/cuentas-nacionales/cuentas-nacionales-departamentales>

3 Datos.gov.co, Parque automotor activo Barranquilla <https://www.datos.gov.co/Transporte/Parque-Automotor-Activo-Anual-de-Barranquilla-Vige/4ibb-jm7y> (Total registered vehicles in the city at 31th dec 2020)

4 Formulación del Plan Maestro de Movilidad del Distrito de Barranquilla, 2012 [https://www.google.com/url?sa=t&ict=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwje85XcstHyAhUpRzABHczB6AQFnoECAU-QAQ&url=https%3A%2F%2Ffileserver.fdn.com.co%2FDescarga%3Fruta%3Dfdn%2FFPROCESOS%2FFOO023%2FFDNIN-FESTO00230162016092301.PDF&usg=AOvVawOmzMTGgauPXqn\\_JC4xEfuy](https://www.google.com/url?sa=t&ict=j&q=&esrc=s&source=web&cd=&ved=2ahUKEwje85XcstHyAhUpRzABHczB6AQFnoECAU-QAQ&url=https%3A%2F%2Ffileserver.fdn.com.co%2FDescarga%3Fruta%3Dfdn%2FFPROCESOS%2FFOO023%2FFDNIN-FESTO00230162016092301.PDF&usg=AOvVawOmzMTGgauPXqn_JC4xEfuy)

5 IEU 2020, Mobility in the AMBAQ: Perspectives and challenges <http://ieu.unal.edu.co/medios/noticias-del-ieu/item/movilidad-en-el-area-metropolitana-de-barranquilla-perspectivas-y-retos>

6 Informe de gestión 2019 <https://www.transmetro.gov.co/transparencia/>

7 <https://www.transmetro.gov.co/rutas-troncales/>

8 IEU 2020, Mobility in the AMBAQ: Perspectives and challenges <http://ieu.unal.edu.co/medios/noticias-del-ieu/item/movilidad-en-el-area-metropolitana-de-barranquilla-perspectivas-y-retos>

9 El Espectador 2021, ¿A qué se debe la crisis de Transmetro? <https://www.elespectador.com/colombia/barranquilla/a-que-se-de-be-la-crisis-en-transmetro/>

10 Plan Integral de Gestión del Cambio Climático Territorial del Atlántico 2040 (2016), [https://www.minambiente.gov.co/images/cambioclimatico/pdf/aproximacion\\_\\_al\\_territorio/ATLANTICO.pdf](https://www.minambiente.gov.co/images/cambioclimatico/pdf/aproximacion__al_territorio/ATLANTICO.pdf)

11 Ley 1964 de 2019 <https://dapre.presidencia.gov.co/normativa/normativa/LEY%201964%20DEL%2011%20DE%20JULIO%20DE%20>

# Electric Buses

## Targets for electric bus adaption

1 300 electric buses by 2023.

2 50% electrification with 1150 vehicles by 2034.

## Ongoing projects

RITMO (Red integrada de transporte metropolitano).

## Bus technology share



3300

ICE – Buses

0

Hybrid-Buses

0

E-Buses

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