Berlin High-level Dialogue on Implementing Rio+20 Decisions on Sustainable Cities and Urban Transport

JUNE 2013

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JUNE 2013
Bogota has an average temperature of 66.2º F (19º C).

Photo: Alberto Sierra - Invest in Bogota Photo Archive
Bogota has:

- 7.8 million inhabitants
- Colombia 47.1 million inhabitants
- Urban footprint
- 44,000 Ha.
- 440 Sq Km.
- Average temperature of 66.2º F (19º C)

Photo: Alberto Sierra - Invest in Bogota Photo Archive
Bogota has an average temperature of 66.2º F (19º C).
Bogota has a high density of population.

### Densities

<table>
<thead>
<tr>
<th>Area</th>
<th>Houses/Ha</th>
<th>Inhabitants/Ha</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Bogotá</td>
<td>2,062,277</td>
<td>200</td>
</tr>
<tr>
<td>Extended Down Town</td>
<td>578,909</td>
<td>168</td>
</tr>
<tr>
<td>Outside Down Town</td>
<td>1,483,368</td>
<td>214</td>
</tr>
<tr>
<td>Peak Density Bogotá</td>
<td></td>
<td>568</td>
</tr>
</tbody>
</table>

**Comparative Densities**

<table>
<thead>
<tr>
<th>City</th>
<th>Peaking Inhabitants/Ha</th>
</tr>
</thead>
<tbody>
<tr>
<td>México</td>
<td>490</td>
</tr>
<tr>
<td>Shanghai</td>
<td>962</td>
</tr>
<tr>
<td>New York</td>
<td>530</td>
</tr>
<tr>
<td>Bogotá</td>
<td>568</td>
</tr>
</tbody>
</table>

*Photo: Alberto Sierra - Invest in Bogotá Photo Archive*
Bogota has a sustainability modal share with a focus on pedestrian travel. Despite having an average temperature of 66.2ºF (19ºC), the city's modal share includes a significant number of pedestrian travels. Daily travels including pedestrian travels for 3 minutes (PT3M) amount to 15.2 million. Travels for 15 minutes (PT15M) add up to 11.6 million daily. The main mode of travel in Bogota is pedestrian, with over 6.9 million people traveling daily, which accounts for 60% of the total daily travels. This highlights the importance of pedestrian infrastructure and safety in promoting sustainable urban mobility.
Bogotá has

**MOTORIZATION INCREASE**

1.286.949 private vehicles

Average growth annual last decade 10%

Bogota has an average temperature of 66.2º F (19º C).

Photo: Alberto Sierra - Invest in Bogota Photo Archive

347,529 motorcycles

MOTORIZATION INCREASE

Motorcicles

2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013*

Motocicleta

Bogota has an average temperature of 66.2º F (19º C).

During Sunday and holidays, between 7:00am and 2:00pm, the city transforms, 120 Kms., of its principal roadways into an open space for sports. Giving to more than 1.5 millions inhabitants the opportunities to enjoy different activities. Including walking, running, skating, aerobics, yoga, and music shows outdoor.
Bogota has

IN MOBILITY...
Bogota has an average temperature of 66.2º F (19º C).
Bogota has

TransMilenio – Phase I (2000): Calle 80, Caracas y Autopista Norte - 42.2 Km

TransMilenio – Phase II (2006): Américas, Av.Suba, NQS – 42.2Km

TransMilenio – Phase III (Under construction): Calle 26, Carrera 10 y Calle 6 – 23.5 Km

Bogota has an average temperature of 66.2º F (19º C)

Photo: Alberto Sierra - Invest in Bogota Photo Archive
Bogota has an average temperature of 66.2º F (19º C)
Bogota has an average temperature of 66.2ºF (19ºC).

<table>
<thead>
<tr>
<th>Location</th>
<th>Local Cost</th>
<th>US Dollar Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calle 80</td>
<td>$35,434</td>
<td>US $15,541</td>
</tr>
<tr>
<td>Caracas</td>
<td>$20,945</td>
<td>US $9,186</td>
</tr>
<tr>
<td>Autonorte</td>
<td>$28,877</td>
<td>US $12,665</td>
</tr>
<tr>
<td>Eje Ambiental</td>
<td>$12,999</td>
<td>US $5,701</td>
</tr>
<tr>
<td>Promedio Fase I</td>
<td>$25,984</td>
<td>US $11,396</td>
</tr>
</tbody>
</table>

Phase I: USD 500 millones

Bogota has an average temperature of 66.2º F (19º C).

Phase II: USD 910 millones

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Calle 13 - Américas</td>
<td>$ 35.377</td>
<td>US $ 15.516</td>
</tr>
<tr>
<td>NQS</td>
<td>$ 56.132</td>
<td>US $ 24.619</td>
</tr>
<tr>
<td>SUBA</td>
<td>$ 53.117</td>
<td>US $ 23.297</td>
</tr>
<tr>
<td>Promedio Fase II</td>
<td>$ 49.042</td>
<td>US $ 21.510</td>
</tr>
</tbody>
</table>


Bogota has

**Fleet**
- 72 Biarticulated Buses
- 1,255 Articulated Buses
- 515 Feeder Buses

**Infrastructure**
- 115 Single Stations (Phase I y II)
- 20 Single Stations (Phase III)
- 7 Portals (Phase I y II)
- 2 Portals (Phase III)
- 8 Intermedial Stations

**Demand 1st semester 2012**
- Average Peak hour: 199,271
- Máx Peak hour: 205,342
- Average Daily: 1,741,659
- Max Daily: 1,789,887

BRT WELL DONE
Bogota has an average temperature of 66.2º F (19º C)

Photo: Alberto Sierra - Invest in Bogota Photo Archive
Peak Hour overcrowding not so well done

Bogota has an average temperature of 66.2º F (19º C)

Photo: Alberto Sierra - Invest in Bogota Photo Archive
Bogota has

CONGESTION, POLLUTION, WASTE OF TIME...

Bogota has an average temperature of 66.2º F (19º C).

Photo: Alberto Sierra - Invest in Bogota Photo Archive
A LOT OF WORK TO DO...

Bogota has an average temperature of 66.2º F (19º C)

Photo: Alberto Sierra - Invest in Bogota Photo Archive
Bogota has a lot of work to do... in infrastructure.

- Roads to Construct.
- Partially Constructed
- Road Totally Constructed

Mobility and Transport Subsystems, Arterial Subsystem. 29% To Built. 15% Partially Built.

Bogota has an average temperature of 66.2º F (19º C).

Photo: Alberto Sierra - Invest in Bogota Photo Archive
A WAY TO MOVE FASTER AND EFFICIENTLY

Bogota has an average temperature of 66.2º F (19º C).

Sistema Integrado de Transporte Público de Bogotá
Bogota has an average temperature of 66.2º F (19º C)

Photo: Alberto Sierra - Invest in Bogota Photo Archive
Bogota has an average temperature of 66.2º F (19º C).

**PURPOSE AND SCOPE OF INTEGRATED PUBLIC TRANSPORT - SITP**

<table>
<thead>
<tr>
<th>Infrastructure</th>
<th>Operation</th>
<th>SIRCI Collection and Integrations of fee options</th>
<th>Media Press and Comunication</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Infrastructure Image" /></td>
<td><img src="image2.png" alt="Operation Image" /></td>
<td><img src="image3.png" alt="SIRCI Image" /></td>
<td><img src="image4.png" alt="Media Image" /></td>
</tr>
</tbody>
</table>

**Photo:** Alberto Sierra - Invest in Bogota Photo Archive
Bogota has...DREAMS AND HOPE IN FUTURE

Bogota has an average temperature of 66.2º F (19º C).

Photo: Alberto Sierra - Invest in Bogota Photo Archive
Bogota has an average temperature of 66.2ºF (19ºC).

Photo: Alberto Sierra - Invest in Bogota Photo Archive
OPERATIONAL DESIGN

Bogota has an average temperature of 66.2º F (19º C).

REDEVELOPMENT

LAND USES

CLIMATE CHANGE

MITIGATION MEASURES

ADAPTATION MEASURES

...MUST THINK, TALK, AND DECIDE ON

Photo: Alberto Sierra - Invest in Bogota Photo Archive
Bogota has an average temperature of 66.2º F (19º C).

MOBILITY WITH SENSE

Move with sense

LAND USES STRATEGY

Clean transport

...MUST THINK, TALK, AND DECIDE ON

SIMPLICITY

112 decretos de UPZ
17 planes maestros
Otras normas

Acuerdo 6
Acuerdo 7

Decreto 159/2004
Decreto 333/2010

TRANSPARENCY

POT

INSTRUMENTS FOR WINNER PPP
Bogota has 6000 Ha Oportunity Areas to redevelopment

TODS KEYS
1. Non Motorized Mobility
2. Public Transport of High Quality
3. Public Spaces Safe and Livability
4. Mix Land Uses – High Rise Buildings
5. Retail in the first floors.
7. Land Value Capture and Betterment Levy
8. Participation and community safety
Bogota has...TO DESIGN INTERMODALITY

**Type 1.** Real estate development in itself: Station with mixture of other uses.

**Type 2.** Real estate developments in the immediate vicinity of the station.

**Type 3.** Real estate developments due to the effect of the transport corridor.

*Photo: Alberto Sierra - Invest in Bogota Photo Archive*
Bogota has

...TO COMPLETE AND TO IMPLEMENT OUR BIKE NETWORK

CICLOPARQUEADEROS

Bogota has an average temperature of 66.2º F (19º C)

Photo: Alberto Sierra - Invest in Bogota Photo Archive
Bogota has an average temperature of 66.2º F (19º C).

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**Bike Opportunities Around BRT Stations**

**AM**

**PM**
Bogota has BICICARRIL. Exclusive bike lanes to school.
Bogota has an average temperature of 66.2º F (19º C).

Photo: Alberto Sierra - Invest in Bogota Photo Archive
Bogota has...PUBLIC BIKES, experimental Phase in 7th Street

Station Points: Carrera 7ma con Calle 24
Parque Santander (Carrera 7ma con Calle 15)
Plaza de Bolivar (Carrera 7ma con Calle)

Only your ID, an e-mail and Ride 382 Bike to ride.
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Photo: Alberto Sierra - Invest in Bogota Photo Archive
Bogota has...a lot of sensations, enjoyable moments, and all our kindness, you are welcome

Thanks all of you