

The City

- Population of BH
- 2.4 million inhabitants

- Population of RMBH
- 5.7 million inhabitants

6.3 million trips a day

2.5 trips / inhabitants / day



Transport System

•Public transport by bus:

293 lines, 3 thousand buses, 1.8 million passangers/day



28 km, 19 stations, 200 thousand passangers/day



1.5 million cars – BH + 1 million – RMBH

























City Strategic Planning

Vision 2030

Belo Horizonte: city of opportunities, sustainable and with quality of life

Ensure mobility and accessibility in the urban environment through integrated networks, transport demand management and quality of public transport services



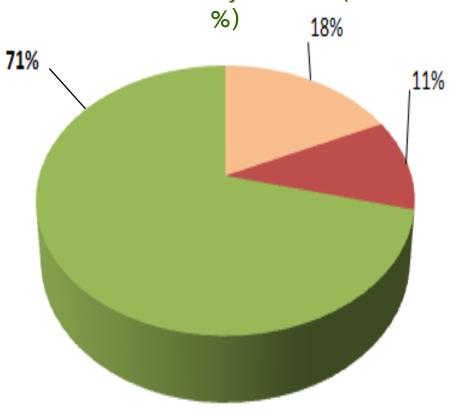




Inventory of greenhouse gases emissions in BH Distribution by Sectors (in

The transportation sector is responsible for about 70% of the total CO₂ emissions

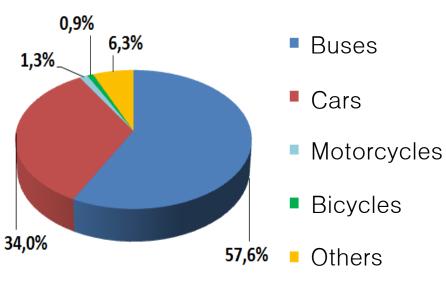
Goal: to reduce the greenhouse gases emissions by 20% until 2030

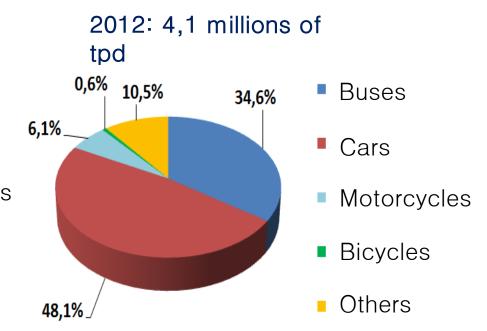


- Fixed Units Urban Rejects
- Transport Sector

BH 2002/2012: increase in travels and larger participation of the individual

MODES*
2002: 2,7 millions of tpd



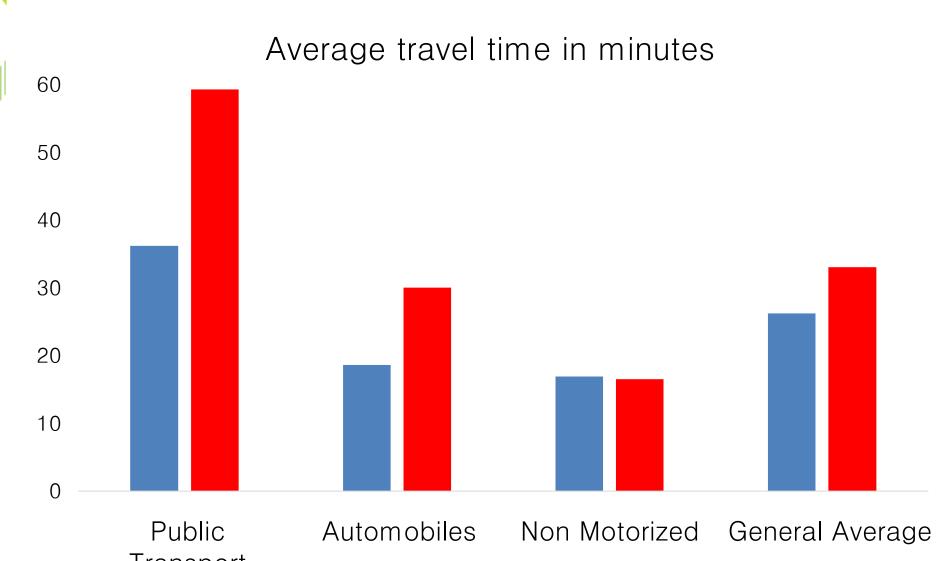


* excluding walking trips

Mode	Change 2002/2012
Buses	- 8%
Cars	+ 116%
Motorcycl es	+ 649%
Bicycles	+ 7%
Others	+ 154%
Total	+ 53%

- The public transport had a strong loss over a decade, falling from a 57.6 % share in 2002 to 34.6% in 2012
- The participation of cars rose from about 1/3 to about 50%, being the most widely used modal in 2012

PlanMobBH – Starting Point Unsustainable Tendencies



Fundamental Objectives of PlanMobBH







Reduce the Number of Fatalities in Traffic

Increase the percentage of trips by foot (emphasis on trips up to 2km)







Reduce the Increased Trend of Greenhouse Gases Emission

Increase the percentage of bicycle trips (emphasis on trips up to 8km)







Reduce the growth in the use of individual transportation (auto and motorcycle)

Increase the current number of trips on public transport

The 4 pillars of the City Sustainable Urban Mobility Plan (PlanMobBH)

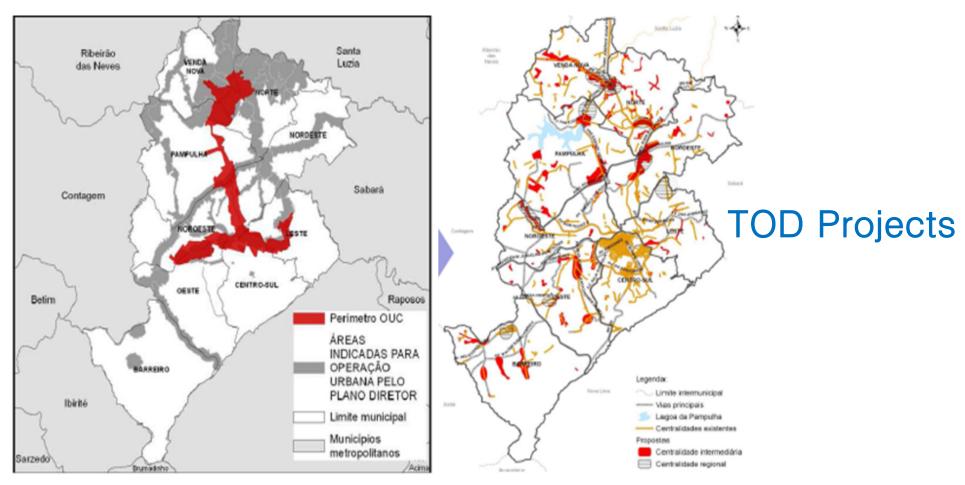
Integration between Land Use Policy and Transportation Priority to public transport and its continuous improvement

Stimulation of non-motorized modes of transport

Encouraging a more rational and innovative use of the car



Structuring initiatives for sustainable urban mobility in BH



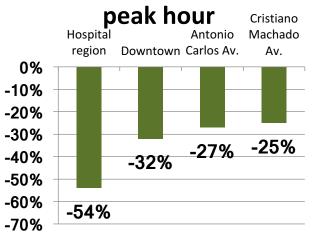
Urban Operation ACLO

Regional Plans: New

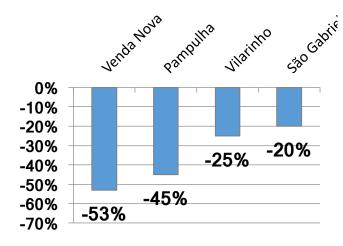
Structuring initiatives: MOVE, the BRT of Belo Horizonte

23 km of exclusive lanes with two-way traffic, 5 integration stations at the edges and 40 transfer station along the corridor, transporting about 500,000

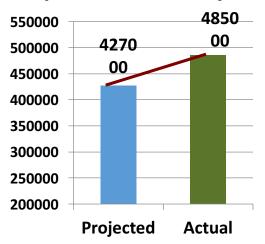
Decrease in the number of bus trips in the morning



Travel time reduction in the morning peak hour



Number of passengers per business day







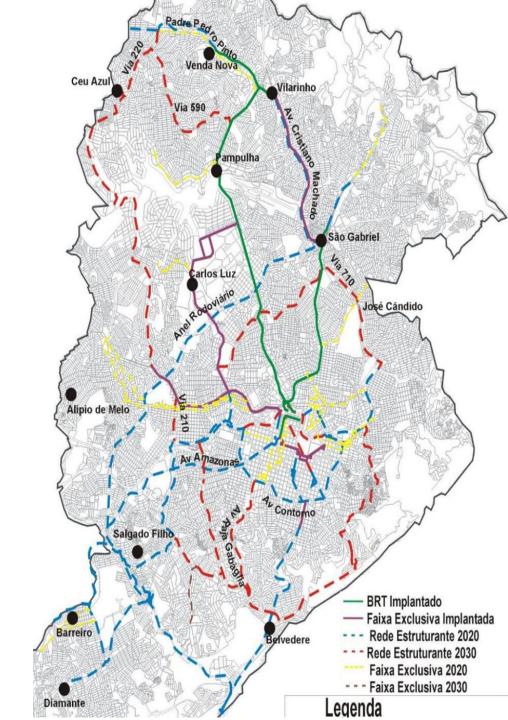
Transit and Exclusive lanes for buses

Present status (2017)

- 23 km BRT;
- 12 km exclusive bus lanes;
- 7 integration stations and
 36 transference stations;

Forecast (2030)

- 150 km BRT;
- 54 km exclusive bus lanes
- 11 integration stations.



Electric Bus (2018).





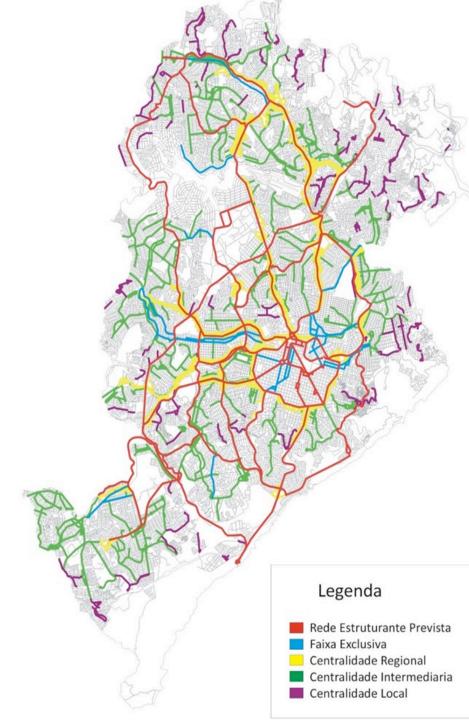
Test of electric buses with a selfsufficiency higher than 250 km (each charge) – 80% of an average urban bus route;

- Performance evaluation.
- Operational costs evaluation.

Stimulating nonmotorized modes

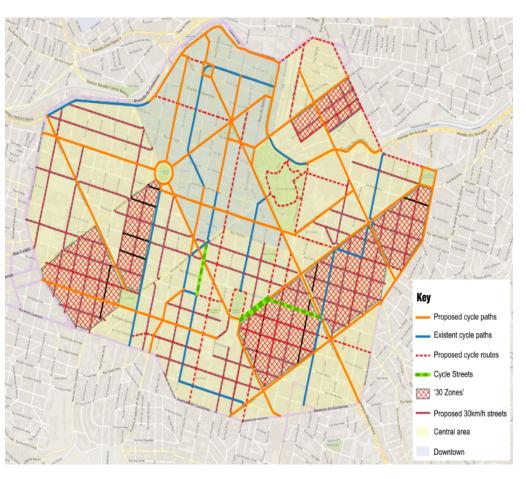
Build a walking network integrated with the public transport and urban projects that brings improvements for pedestrians





30km/h Zones

Proposal for Downtown Area



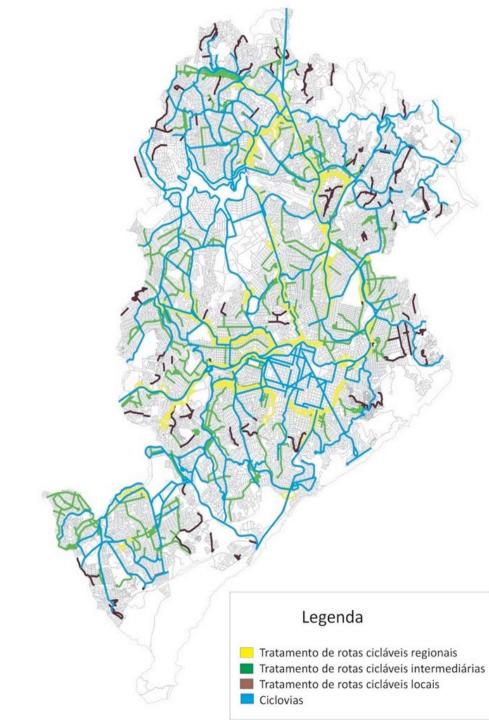
 Reduction of car speed in order to guarantee the pedestrians and cyclists safety.

 The red patterned areas indicate the selection of regions where the 30 zones will be implemented

Pedala BH – Bike routes project

Cycle infrastructure implementation plan:

- (2020): 411 km
- (2030): 1.000 km



Pedala BH – Bike routes project

40 bycicle sharing stations in downtown Belo Horizonte and near touristic spots.

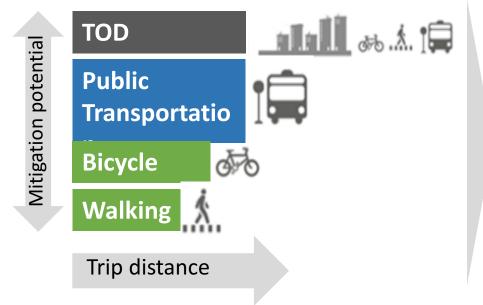


Rational Use of Automobiles

Transportation demand management through coherence and integration of measures and modes of transport, resulting in a change of the predominant culture.

Incentive to transport alternatives

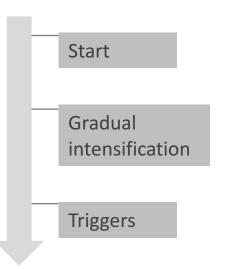
Discouraging the use of private transport



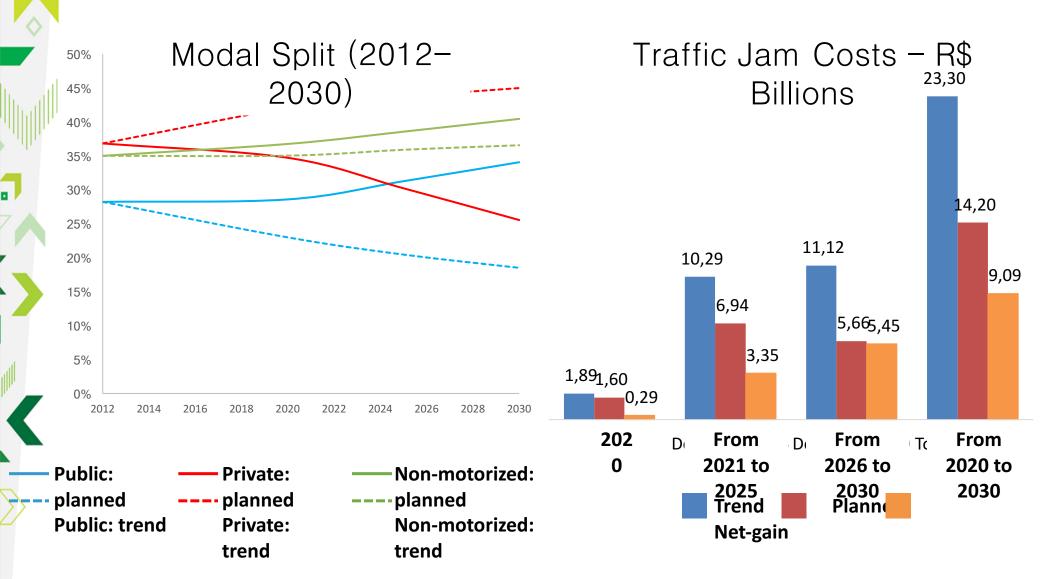
Speed limit reduction

Management of parking areas

Restriction of circulation areas



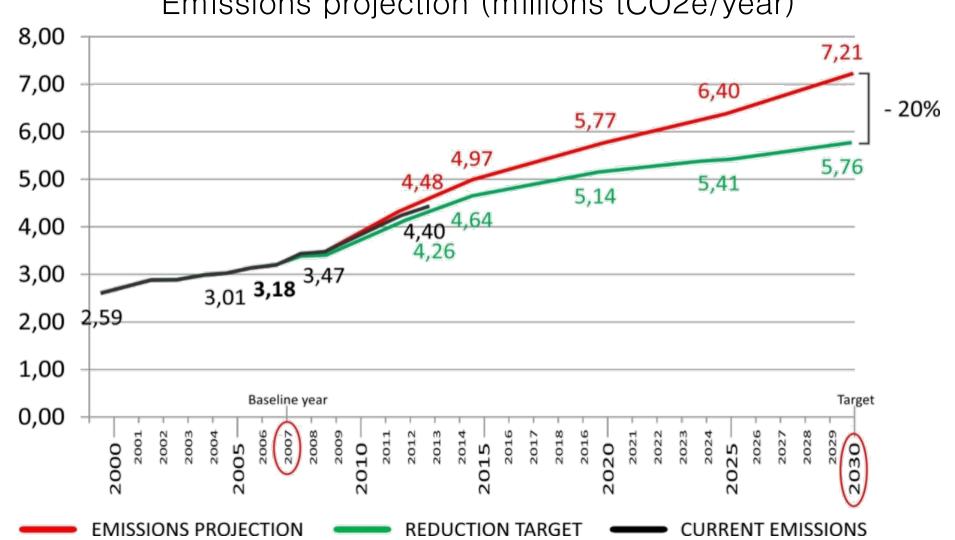
Expected Results



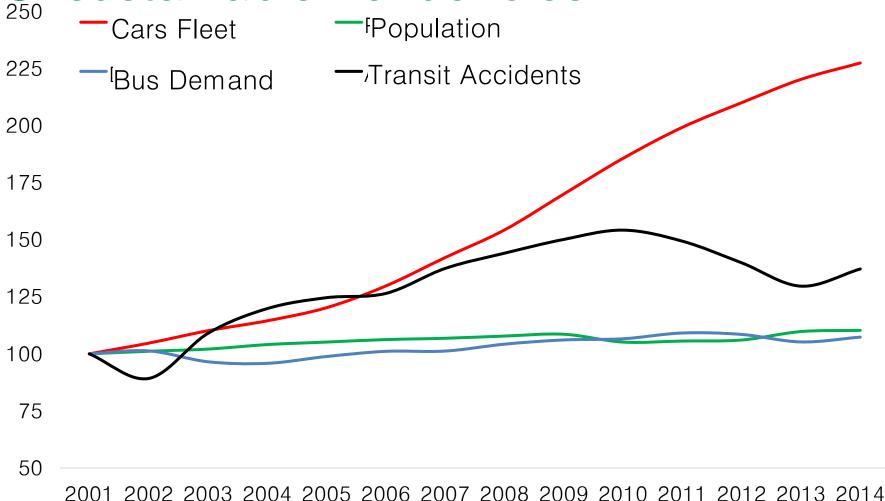


Municipal plan for greenhouse gases emissions reduction - PREGEE

Emissions projection (millions tCO2e/year)



Evolution of some Mobility Indicators Unsustainable Tendencies



Structuring initiatives for sustainable urban mobility in BH

MOVE: the BRT of
BH
23 km + 12
kilometers of
exclusive bus lanes





Pedala BH: 80km of bike lanes + 40 shared bike stations

30 km/h zones: attempt to keep road traffic speed down to a safe level





Less street parking areas and more quality space for pedestrians