

Curitiba: Bus Rapid Transit



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Road Map

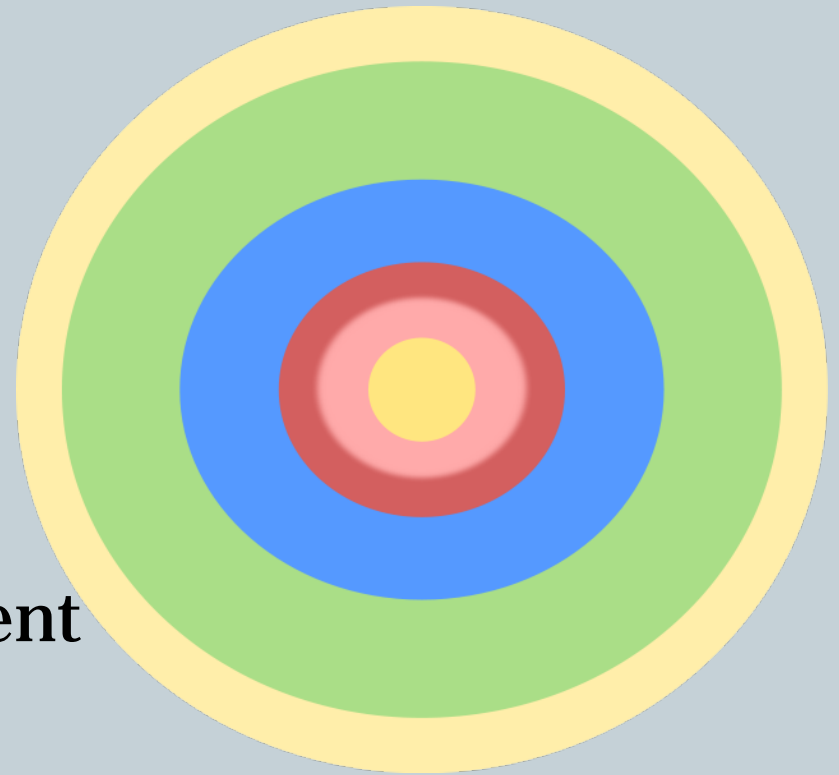


- **History**
- **Main Structure**
- **Results**
- **Problems with System**
- **Transferability**

History



- **1900 population: 50,000**
 - Today: Nearly 2 million**
(Municipal de Curitiba)
- **Original plan of 1943**
 - Expectation of cars**
 - Concentric road development**
(FTA)



http://tvmrising.blogspot.com/2008_05_01_archive.html

A New Plan



- **Jaime Lerner develops new plan**
 - Plano Diretor (Master Plan) (del Rio, 203)
 - Integrates land use, transportation needs, industrial interests (Beatley, 33)
- **Development of IPPUC** (del Rio, 203)



http://www.brazilmax.com/news.cfm/tborigem/pl_south/id/10

System Structure



- What is BRT?
- Five Structural Axes
- Hierarchical bus system
- Bi-articulated buses
- Tube stations
- Bus privileges
- Fare paying policy (FTA)
- City-wide programs (Beatley, 34)

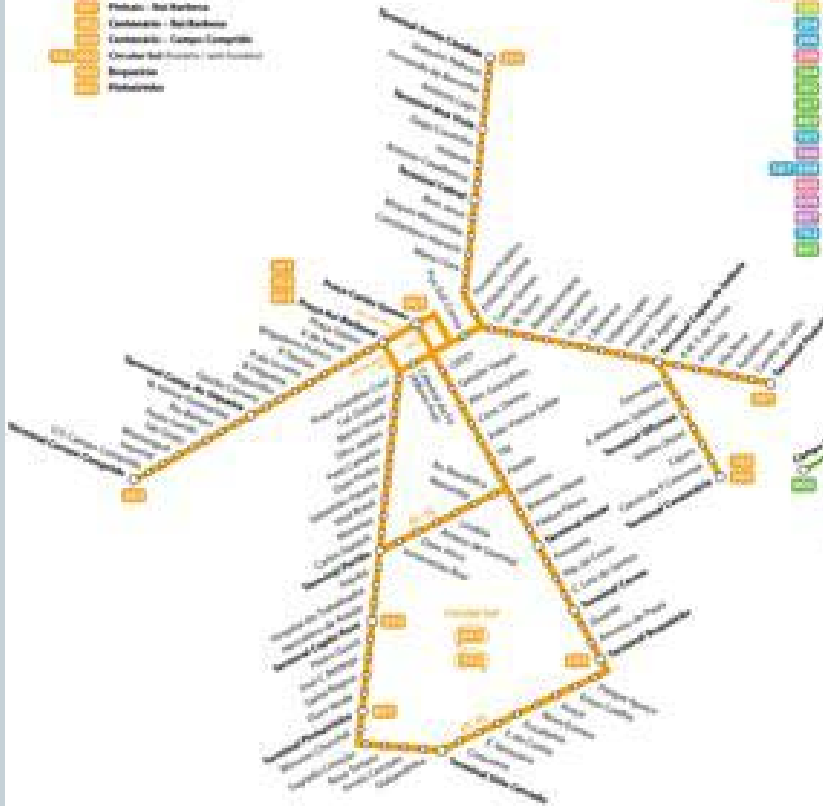
Main Bus Routes



Curitiba

Linhas Expresso Biarticulado

- Itaipava Curitiba - Foz de Iguaçu
- Pinheirão - Redenção
- Centro - São Francisco
- Centro - Campo Limpo
- Centro - Itaipava (via Itaipava)
- Itaipava
- Pinheirão



Curitiba

Linhas Direta

- Itaipava - Foz de Iguaçu
- Itaipava - Curitiba
- Pinheirão - F. Curitiba
- Pinheirão - Itaipava
- Araripari
- Pinheirão - Campo Limpo
- Centro
- Santa Felicidade - Santa Felicidade
- Centro - Pinheirão
- Itaipava - União da Vitória
- Itaipava - Foz de Iguaçu
- Pinheirão - Foz de Iguaçu
- Araripari - Curitiba
- Itaipava - Foz de Iguaçu
- Pinheirão - Itaipava
- Itaipava - Curitiba



Bi-articulated Buses and Tube Stations



http://citytransport.info/NotMine/U1997_0991a.jpg

Results



- **Thirty percent less gas than comparable cities** (Irazabal, 89)
- **Seventy percent of commuters use system** (FTA)
- **Fifty five percent all trip use BRT** (FTA)
- **International recognition** (Gnatek)
- **Forty percent live within three blocks of axis** (FTA)

Problems in Curitiba



- **Poverty** (Irazabal, 108)
- **Top-down governing** (del Rio, 216)
- **Increased automobile use** (Irazabal, 108)
- **Pollution**



<http://www.demographia.com/rac-curitiba.pdf>

Works Cited



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