BRT as a cost-effective tool to guide
Urban Development

Lessons from Curitiba, Brazil

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PB PlaceMaking

Relevant Facts

- For over four decades Curitiba has been utilizing transit oriented development as a means to guide and induce urban growth in order to improve quality of life and preserve the natural environment;

- In that process, the city has incrementally built a unique integrated transit network that has inspired many cities around the world;

- Because Curitiba's transit network is totally maintained by collected fares, the city's revenue is mostly utilized in social programs, education, and maintenance of the city's infrastructure, cultural assets and of its extensive park system;

- As a result Curitiba is internationally recognized as one of the most sustainable cities in the world;

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METROPOLITAN CURITIBA

Annual City Budget

US$ 500.00
per year
per inhabitant

POPULATION IN 2001:

City of Curitiba:
1,6 million

24 municipalities:
1,1 million

TOTAL POPULATION:
2,7 million inhabitants

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Principles

- People-Oriented
- Sense of Mission
- Clarity of Purpose
- Technical Innovation
- Strategic Action
- Civic Infrastructure
- Process Continuity

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U R B A N   P L A N N I N G
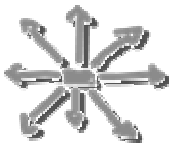
> **CULTURAL AND ENVIRONMENTAL PRESERVATION**
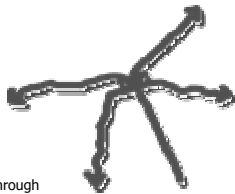>
> **SOCIAL AND ECONOMIC DEVELOPMENT**

U R B A N   P L A N N I N G

1966 MASTER PLAN:
population 450,000

RADIAL GROWTH

changing growth pattern through public investment in infrastructure and land use policies

LINEAL GROWTH

Principles

Local
Integrated
Incremental

- People-Oriented
- Sense of Mission
- Clarity of Purpose
- Technical Innovation
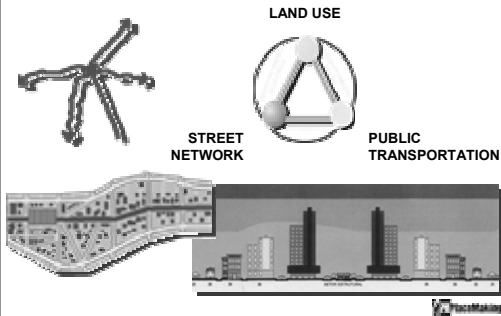- Strategic Action
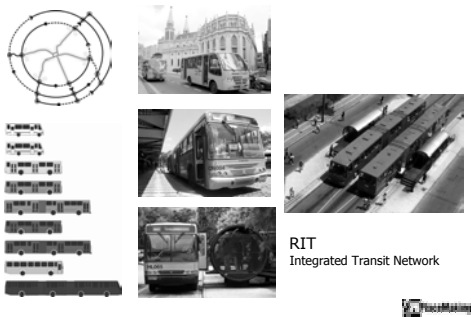- Civic-Infrastructure
- Process Continuity

STRUCTURAL CORRIDORS

LAND USE

STREET NETWORK   **PUBLIC TRANSPORTATION**
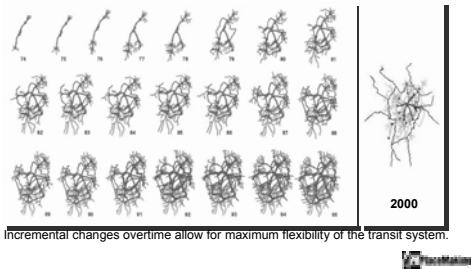
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PUBLIC TRANSPORTATION

RIT
Integrated Transit Network

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PUBLIC TRANSPORTATION

- Transit system operated by private companies; no-subsidy by the Public Sector except Capital Investment

2000

Incremental changes overtime allow for maximum flexibility of the transit system.

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S T R U C T U R A L C O R R I D O R S

1965   **2005**

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S T R U C T U R A L C O R R I D O R S

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Cidade de Curitiba

INDUSTRIAL CITY / 1973

· Green Industries

Economic
Feasibility
Synergy

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ECONOMIC DEVELOPMENT

EMPLOYMENT BELT
32 km / 18 Districts

1998   2000

Jobs
Transportation
Urban renewal
District integration
Training
Commercialization

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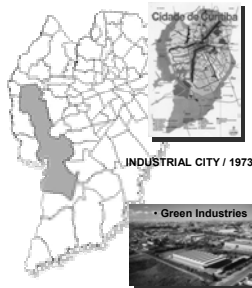## Principles

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Risk Taking
Empowerment
Institutional
Framework
Shared
Responsibility

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Education
Culture
Dissemination
Lasting Rewards

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E N V I R O N M E N T A L   P R E S E R V A T I O N

TURNING CHALLENGES INTO SOLUTIONS

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B E S T   C I T Y   F O R   B U S I N E S S   I N B R A Z I L

TURNING GREAT STRATEGY INTO GREAT PERFORMANCE

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Lessons from Curitiba

- BRT: a piece of a larger development and growth management strategy;

- System x Mode: focus on territory coverage, flexibility, integration and economic feasibility;

- TOD : Land Use +Transit + Circulation = physical framework for development policies has produced sustainable growth, economic development and increased quality of life;

- High density: around major corridors actually preserved open space and allowed for a generally low density city;

- Institutional Integration: specifically designed to carry out the 1964 Preliminary Plan has promoted flexibility and longevity of the process for over four decades;

- Political Process: urban planning efforts fully incorporated into the political process has evolved through generations and has inspired deep changes in Brazilian legislation and worldwide practice.

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Can American cities benefit from these lessons?

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Los Angeles Orange Line

Eugene BRT, OR

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N E W   P A R T N E R S   F O R   S M A R T   G R O W T H
Denver, CO

THANK YOU
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Sustainable Community Development

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