



# ABOUT JOINVILLE





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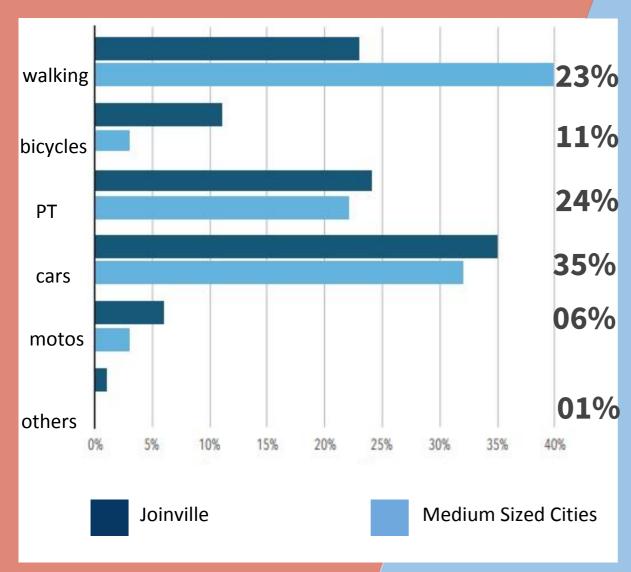
Industrial and technological pole

Entrepreneurial ecosystem

(every 100,000 inhabitants, 139 are entrepreneurs)

The best medium-sized city in strategies to attract foreign investment (The British Financial Times, 2017) 01 of the 10 most enterprising cities in Brazil (Endeavor, 2017).

### ABOUT TRANSPORT



16km of bus-only preferred lane

140km in cycling network

Increase of registered vehicles is 71% in the last 10 years

0.66 vehicles / inhabitant

Origen-Destination Survey, 2010. PMJ

### ABOUT CHALLENGES

**Outdated and dispersed data** 

The absence of alternative modes of transport and integration between of the existing ones

The centralization of the individual motor vehicle

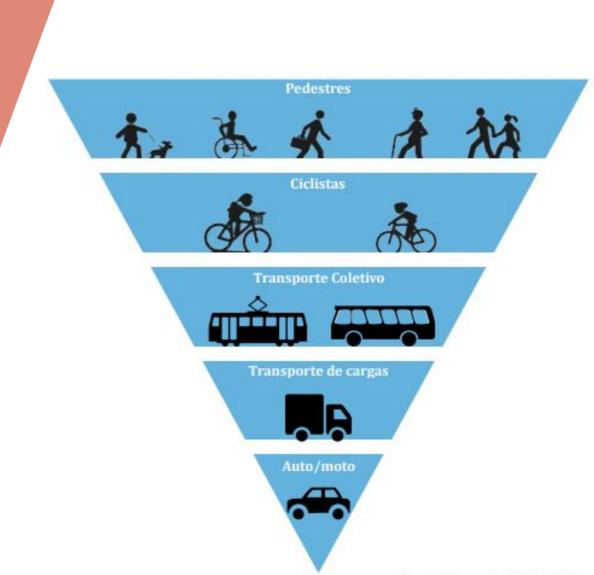
We have the need for intermodality, not dependent on individual motor vehicles, as way of attracting users to a more complete, competitive and flexible system for a modern urban citizens.

#### 1. Sustainable Urban Mobility Plan - PlanMob 2016

Focus on the non motorized modes of transport

2030 - reversing the current modal participation from 24% to 40% in public transport

Reduction of 50% in the emission of gases generated by the collective transport system



#### 2. Road Plan

Intermodal Road Plan - IDB financing

Georeferenced action plan

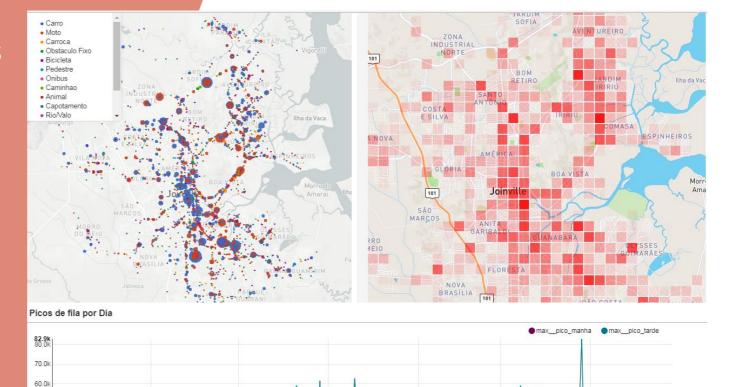
Feasible plan, but also open to new technologies

#### 3. Smart Mobility Project - Big Data Oriented Decisions

Intelligence and greater assertiveness in the decisions

2017 - Connected
Citizens program of
WAZE

Over 1,060,000 km of updated queues every 2 minutes



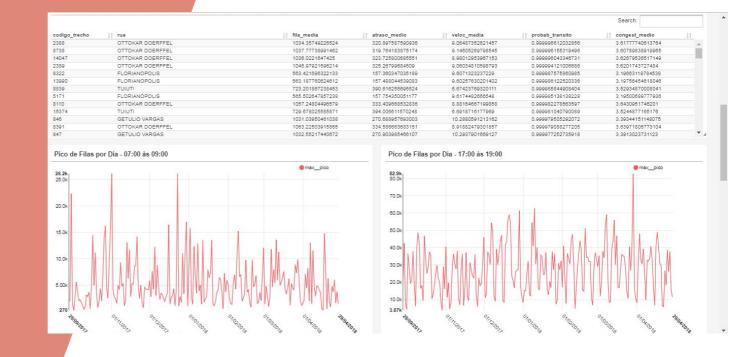
Smart Mobility Database, 2018. PMJ.

50.0

#### 3. Smart Mobility Project - Big Data Oriented Decisions

The same is being developed with public transport and cycling network data

Generate rankings to identify the most problematic routes



### 4. Mobility City Lab (2017)

1st City Lab of the Americas 35 interviews + analysis by indicators

25 ideias

Governance - Socio Economic Development -

Intermodality - E-mobility - Technical

1.5 weeks of work
Final workshop
10 ideias

























IAO



Institut für Arbeitswissenschaft und Technologiemanagement IAT

- 1 "City Green" Certificate Certificate issued by the city to companies promoting sustainable initiatives
  - 2 Establish low emission area Creation of low emission area in the city center
- 3 Open Data Platform A platform that any city institution can feed to collect all the different types of mobility information. The information must be accessible to the entire population
- 4 Contest "Innovate your city" Creation of an online platform, in which the population presents the biggest problems of the city and, through voting, select the best proposals that will receive funding.

5 "Park & Ride Station"

**stations** - Create parking spaces for cars and bicycles near bus terminals, so citizens can safely park their vehicles in these locations.











6 Bike sharing & safe parking - Installation of several stations for safe bicycle parking and sharing

7 Mobility Hubs - Creation of Mobility Hubs at strategic points to turn bus stations into interactive and attractive meeting points with various services.

8 Public transport by train - The existing structure for cargo transportation today could be used to transport people

9 Last mile delivery with E-cars

and E-cargo bikes - Use low pollution and noise transport for the last delivery, in which the freight carried is small

10 Public Transport

**Tariff new zoning**- Separation of the city into zones, with different tariffs for different distances and travel quantities











#### 4. Mobility City Lab (2018)

Open Data Platform - Smart

Mobility

Last Mile Delivery with E-bikes and E-cars

- Reinforces the importance of Smart Mobility Project; Private initiative partnership in offering the support in greater hardware infrastructure

- Launch a contest for business plans

- Pilot Project

Bike Sharing & Safe Parking

Regulatory environmentPilot Project











#### 4. Mobility City Lab (2018)

We are working together with startups and companies, involved in the theme.

Example:

Scipopulis - Chica Dockless Bike Marcelo Felipozzi (TRUCKVAN) - Cargo Bike















