



Sustainable urban mobility plan: example of Chihuahua

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An aerial photograph of a city, likely Los Angeles, showing a large green park area in the foreground and a multi-lane highway to the right. The city buildings and streets are visible in the background.

Sustainable Urban Mobility Plan:

**Why we found this example interesting
about**

Sustainability and Urban Transport ?

- Urban mobility in Chihuahua
 - Elements of context
 - The questions they addressed
 - Their specific goals
- A specific context ...but an universal issue
- What can be used by other cities ?

Context : Why Chihuahua?

Chihuahua in 2006:

19,000 hectares
730,000 inhabitants
38 inhabitants per hectare

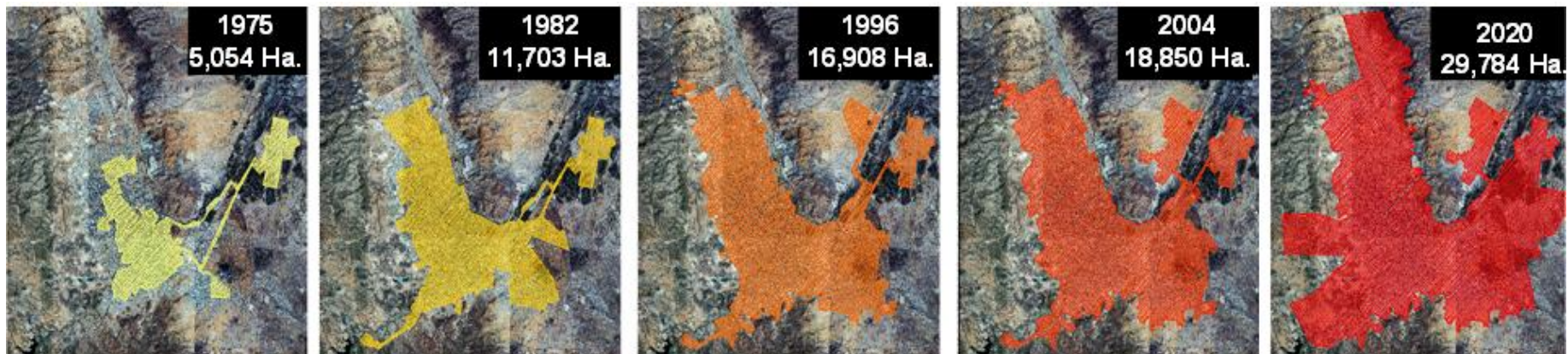
Chihuahua in 2020:

30,000 hectares
1,100,000 inhabitants
36 inhabitants per hectare

Mexico City in 2006:

72,000 hectares
9,000,000 inhabitants
125 inhabitants per hectare

Therefore,
Chihuahua is 3 times less
dense than Mexico City.





Analysis of Chihuahua's conditions

- Very little urban density, urban sprawl.
- Inter-city trips are increasingly long and costly.
- Growing auto population of more than 400,000 vehicles.
- Extensive street coverage.
- Limited public space.
- Growing environmental quality concerns.

What we learned from the Chihuahua case ?

- Define the questions to ponder
- Find its own definition of sustainable urban mobility
- Find a consensus about these goals
- Get organized on a high level planning
- Taking into account all the stakeholders on a democratic process

What we learned from the Chihuahua case ?

- Define the questions to ponder

Questions that the city wanted to address

How much space is being used for the vehicle and its infrastructure?

What type of urban structure is being generated?

What is the cost of this structure and who benefits?

What is the impact for the city, its inhabitants and for its economy?

What we learned from the Chihuahua case ?

- Find its own definition of sustainable urban mobility

From a city designed for the vehicle...



...towards a city designed for the people

What we learned from the Chihuahua case ?

Sustainable urban mobility ...

Promotes the use of public transportation, reduces city traffic, diminishes per trip duration, reduces transportation costs, improves quality of life.

Favors connectivity between destinations.

Improves community integration because it is based on the appropriation of public space by the pedestrian, favoring the implementation of non-motorized systems of mobility such as the bicycle routes and pedestrian circuits



How they got organized on a high level planning

- 1 DIAGNOSIS OF URBAN MOBILITY IN CHIHUAHUA
- 2 PREDICTIONS OF URBAN MOBILITY IN CHIHUAHUA
- 3 DEVELOPMENT AND EVALUATION OF ALTERNATIVES FOR THE CONFIGURATION OF THE SUSTAINABLE URBAN MOBILITY SYSTEM.
- 4 DEFINE THE SUSTAINABLE URBAN MOBILITY PLAN FOR THE CITY OF CHIHUAHUA
- 5 IMPLEMENTATION PROGRAM

How? Let's use urban mobility mechanisms!



Chihuahua's project conclusion ...

The Chihuahua's planning and implementing an urban mobility plan seemed to us exemplary so we suggested to use it as a framework for other countries (including in transition ones)



“To improve urban mobility means to bring opportunities close to the people, [...] it fosters a better quality of life and more competitiveness.”

Thank you for your attention !

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**With some additional questions from
Fabienne Beaudu, Felix Huber and Anders
Jansson of the PIARC technical Committee 2.1 :
Sustainable development and road transport**

