Reclaiming Streets for Access and Mobility
Cities for All

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Founder & Chair
8 80 Cities
Ambassador
World Urban Parks

twitter Penalosa_G
World:

$\frac{1}{2}$ Homes in 40 years

Do NOT exist TODAY
Population:

Mexico City: 8.8 m.
NYC: 8.1 m.
Tokyo: 8.9 m.

TOTAL: 25.8 m.
Next 40 years:

We are going to build a
Mexico City + NYC + Tokyo

Every 4 months
Opportunity
Today’s World **URBAN** Population

3.5 Billion
2060 World URBAN Population

7.0 Billion
10 ways of developing 3 hectares of land: SAME density

Roger Evans Associates
Opportunity
Responsibility
40 Years
Past 40 Years
Enrique Peñalosa
Mayor Bogotá
1998 - 2000
2016 - 2019
Focus: Car, car, car... NOT People’s Happiness
Is this even Ethical?
India
Kolkata, India
April 2016
Cleveland, OH USA

8 miles / 13 Kmts

Hough: Life expectancy
64 years

Lindhurst: Life expectancy
90 years
Cities
Yes HOW
Parkings

Les photographies aériennes d'Alex MacLean révèlent jusqu'à l'absurde l'assujettissement de l'urbainisme à l'automobile aux États-Unis.
Children? Elderly? People with disabilities?
Last 40 years
We need to improve Cities that we have today.
We also need to create Great Cities for many more people
Must create cities...

Radically

Different

Different

Different
Cities
2,000 People
Cities
10 million
Similar Issues
Context
Public Health Crisis
Population Growth
Climate Change
I DON'T BELIEVE IN GLOBAL WARMING
GHG Per Square mile
GHG
Per capita
Population

DENSITY
Big part of solution
Climate Change
Living
Longer
Longer
Longer
Longer
Not just in
Fortaleza
WORLD
200 yrs ago
Life Expectancy

NO
45+

Country’s Life Expectancy
World Today: No Under 45
Cities
How do we want to LIVE?
Reclaiming Streets for Access and Mobility
Cities for All

8 Thoughts
1. Not about $$$
Vision & Action
In my previous life...

Commissioner
Bogota, Colombia
I quickly learned...

• It’s **not** about the money

• I’ve been doing
Designed AND built one Term

200+ Parks
Bogotá
Eucharistic Congress – Bogotá 1968
Before

1968

Site “future” Simon Bolivar Park
27 years

Practically nothing...
Eucharistic Congress – Bogotá 1968
Before

1968

Site “future” Simon Bolivar Park
Bogota’s Ciclovía Open Streets

Spectacular 7 hour per week paved City Park
How?
Open Streets to People
Close Streets to Cars
120 kilometers / 75 miles
52 Sundays + Holidays
Ciclovía in American Airlines magazine

Bogotá ofrece a turistas y habitantes un divertido paseo por sus jardines, que difícilmente se encuentra en otros lugares: la Ciclovía, donde se conjugan deporte, aire libre y mascotas, mientras se recorre la ciudad con muy poco dinero.

Bogotá offers tourists and residents an enjoyable walk through its gardens, which is difficult to find in other places: the Ciclovía, where sports, fresh air, and pets can be combined, allowing you to travel around the city on very little money.

By Wilmer Gómez
Photos: William Bailey
Participation:

- Young and Old,
- Men and Women,
- Rich and Poor,
- Tall and Short,
- **ALL!**
1 of 4 People
Social Integration
Delhi
India
Let’s make a happier, healthier Toronto.

Check out our Activity Hubs for fun, free activities.
WOODSTOCK & REGION

‘Car Free Sunday’ encourages healthy living
New York’s Park Ave
Meet each other as EQUALS
280 Kilometers
Protected bikeway network
3 years
Bicycle use increased

From 0.4%  To  5% share
From 28,000  To 480,000 rides
Quality generates Safety & DIGNITY
Consistency:

Think
Talk
Do
10 Billion dollars proposal by JICA Japanese "Cooperation" Agency

Decided NOT to do it
SideWALKS for PEOPLE or for cars
BRT? Bus Rapid Transit?

Like a subway but above ground?

A fraction of the cost?
Previous “transport system”
200 Kmnts
125 mi
2016 - 2019
Ciclorutas que vamos a dejar
Ciclorutas que encontramos
540 Kmmts
850,000 Daily Trips
200,000 Women

Protected Lanes
Head of Public Works, Yaneth Mantilla
Tender open for 594 Electric Buses
Largest e-fleet in Latin America
SALEN

1152

10

1162

Euro II y III

ENTRAN

477

964

1441

700 Euro V Diésel con filtro
741 Euro VI GNV
EU Emissions Standards
Exhaust emissions Euro 1–6

Particulates PM [g/kWh]
0.36
0.15
0.10
0.02
0.01
0
0.4
2
3.5
5
7
8

Nitric oxides NO\textsubscript{x} [g/kWh]

Euro 1 (1992)
Euro 2 (1998)
Euro 3 (2000)
Euro 4 (2005)
Euro 5 (2008)
Euro 6 (Jan 2014)
Troncales
Obras contempladas en 2019:
1. Troncal Carrera 7ª desde la Calle 52 hasta la Calle 200.
2. Troncal Carrera 68 desde la Carrera 7ª hasta Autopista Sut.
5. Extensión Troncal Av. Américas desde Puente Arauca hasta los NGS y la Conexión Operacional de los Troncales Américas, Calle 26 y NGS.

Finalizados los diseños 2019:
1. Troncal Jorge Gaitán Cortes desde Av. Bóveda hasta Av. 68.
2. Troncal Villeta-Carrera desde el Portal Funal hasta los NGS.
4. Troncal Caracas desde Portal Llano hasta Yomusa.
June – August 2019

1441 NEW 2 & 3 body buses

Pollution of BRT: 1.8% to 0.3%
From drivers of bus to driver of TM
Maria Consuelo Araujo
CEO – Executive Director
In 5 years over 70% Citizens BRT or Metro within 1k
2. Let’s Create 8 80 Cities
Communities for ALL
NOT About…

Walking
Cycling
Public Transit
New Uses of Cars
or
Parks
Streets
SideWALKS
Other Public Spaces

Means
NOT
ENDS
Successful Cities
Happier People
8 80 Rule / Common Sense

(Least common of the senses)
Step 1

8 year old child
STEP 2:
80 year old Person
STEP 3:
Would you send them walking or riding a bicycle to the Park?
Across intersections?
Would they be and feel safe?
If you would, it’s safe enough

If you would not...

It is NOT
What if...

Everything you did in Fortaleza
Had to be fantastic for 8 and 80 year olds?
Great for 8 and 80 year olds
Great for ALL

0 to over 100
Must STOP building cities...

30 year old
Reclaiming Streets for Access and Mobility

3. Sustainable Mobility
Walking  Riding Bicycle  Using Public Transit  New Use of Cars
Walk & Bike

NO Joke
Walk & Bike

NO

frivolity
Walking and Cycling are...
Only individual mode of mobility for most people
ALL Children & Youth around the world
Right
SAFE & Enjoyable Mobility
Democracy
Human Rights
Equality
Sustainability
Walking
Every trip
Walking
Begins and ends
Birds fly...
Fish swim...
PEOPLE

Walk

Walk

Walk
YESTERDAY
People
Driving motor-vehicles
KILLED
741 PEOPLE Walking
1 Person
2 minutes
PEOPLE walking killed DAILY is equivalent to 5 Boeing 737 Max crashing each day!
ACCIDENTS
Incidents
visionzeronetwork.org

VISION

ZERO

No $$$

NO Actions
No $$$ and no actions...

VISION

Zero Vision

ZERO
Improving... Walking
Priorities?
- Children
- Elderly
- People with disabilities
SideWALKS NOT a Priority
Before

SideWALKS for PEOPLE or for cars

After
Sidewalks
Sidewalks

Walking is more than Walking
SideWALKS

Family PARKS
A City’s most important infrastructure are...

Sidewalks
To improve WALKABILITY
Maximum 30 Kph
Residential Streets
Probability of pedestrian fatality by impact speed
It’s about life or death.
56% Fewer crashes
Considering that it is good for physical, mental and emotional health, that it improves our environment, great for mobility, recreation, economic development, and that ALL PEOPLE Walk... in City of Fortaleza.

Two Word Law
Fortaleza’s 2 Word Law

Pedestrian’s First
Walk

Riding Bicycles, Using Public Transit, New Uses Cars
Riding Bicycles
HEJ CYKLIST!
Du er nummer
10904
I DAG
og numer
GOD TUR
dar cykler først her
og tak først du cykler i byen.
To improve Bike-ability

NOT about...
ROUTE
14
EAST
Ride around this Summer!

Enjoy all the camp activities you love (swimming, sports, crafts, games) and get around on your bike. During this 2-week camp, you will be taught traffic theory, how to be visible & communicate with drivers, how to avoid hazards, and enhance your bike handling skills. Can-bike Level 1 will be awarded.

All campers must provide their own bicycle, CSA approved bike helmet, bike lock, and already be able to ride a bicycle. Campers should also bring a lunch, 2 snacks, bathing suit, sun hat and running shoes.
Camp hours are 9 am to 4 pm, Monday through Friday, extended care hours available before and after camp for an additional fee.

To register for these programs call Parks Forestry & Recreation at 416-338-4FUN (4386) or go to toronto.ca/parks/torontofun