


CONNECTING PEOPLE TO PLACES

EMBARQ's view on Liveable and Sustainable Cities
Robin King





 **EMBARQ**
Global


 **EMBARQ**
México

 **EMBARQ**
Andino

 **EMBARQ**
Türkiye

 **EMBARQ**
Brasil

 **EMBARQ**
India

 **EMBARQ**
中国

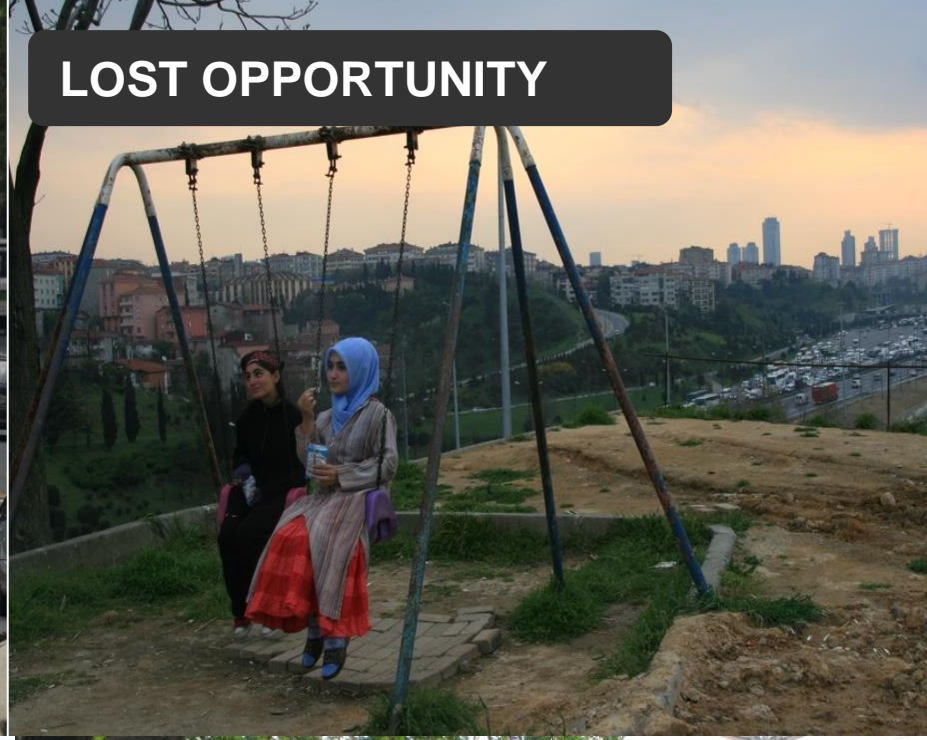
What is the future we want?



LOST TIME



LOST OPPORTUNITY



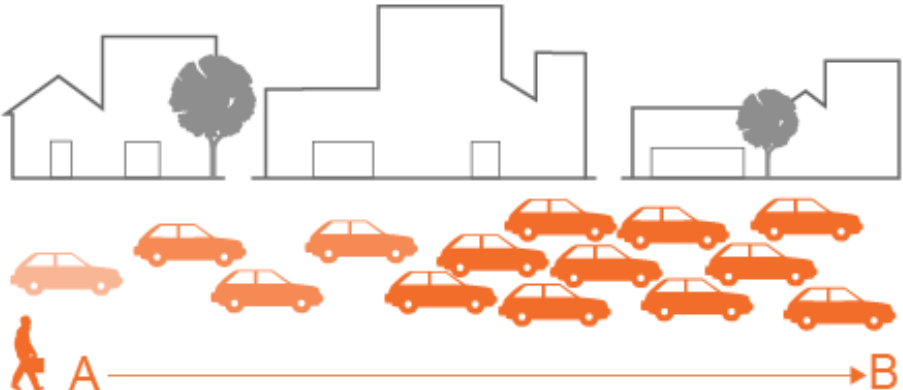
LOST HEALTH



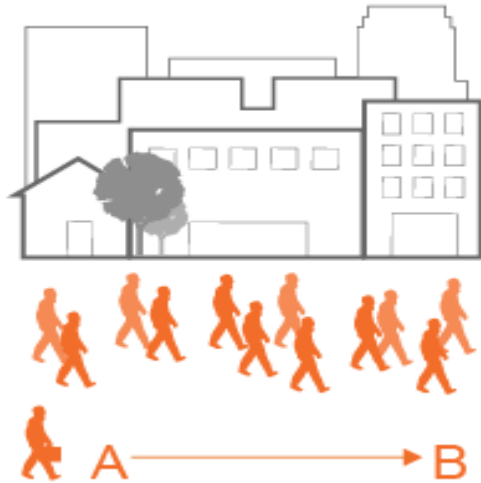
LOST PUBLIC SPACE



We have a choice


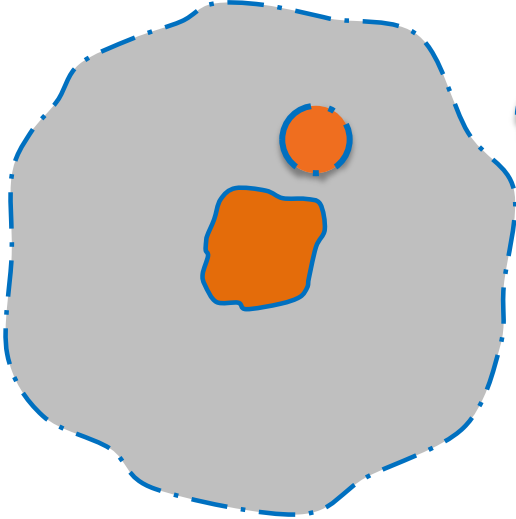
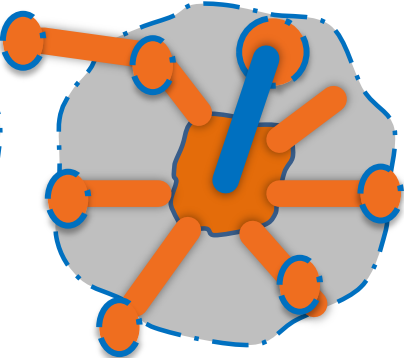


Sprawling City



Compact City

Which scenario will we choose?

	<u>Today</u>	<u>2041</u>	
		Automobility	Sustainable Transport
Ahmedabad, India Similar to Changchun, Jilin Province			
Population (millions)	5.4	13.2	13.2
Trips (millions/day)	5.6	39.75	39.75
Area (Sq. Km.)	1330	6484	3242
Emissions (million Tons CO2/yr)	0.33	12.32	1.97
Traffic Fatalities (per yr)	175	5,232	1,225



Avoid

Avoid or reduce trips through the integration of land use and transportation planning



Shift

Shift to more environmentally friendly modes, such as public transport, walking and bicycling, particularly in developing countries

A close-up photograph of mechanical components, likely from a vehicle or engine. In the foreground, two circular gauges with white faces and black markings are visible. The gauge on the left has a scale from -30 to 100 and is labeled 'USE NO OIL bar' and 'psi 200'. The gauge on the right has a scale from 0 to 200 and is labeled 'USE OIL bar' and 'psi 200'. To the right of the gauges is a large, black, multi-lobed valve handle. The background is blurred, showing more mechanical parts and hoses.

Improve

Improve vehicle and fuel technology of all transport modes for environmental efficiency from each kilometer travelled

Business as usual: Streets for Cars



A typical street in Mexico

New Urban Form: Streets for People



Rethinking Urban Form: Transit Oriented



Compact development with mixed-uses



Active Ground Floors – such as for commercial use



Public Spaces and Cultural Heritage



Non-motorized mobility



Public Transport



Parking, car demand management and road safety



Participatory Planning



KEYS | Solutions

Concept

Inefficient practices, in moderation, fill vital gaps in capacity and support diverse lifestyles.

Green supply and **local efficiencies** in buildings, vehicles, and appliances

Highly efficient urban utilities leverage massive economies of scale, density, and diversity.

Compact cities support resource-economical lifestyles.

Solutions

Fossil fuels
Autos
Sprawl
Non-sustainable bldgs

Solar, wind, wave, bio
Clean fuels & vehicles
Green buildings
Efficient appliances

Mass transit
District heating
Bio-waste recycling
Wastewater recycling
Smart city management
Peak utility pricing

Walkable neighborhoods
Transit metropolis
In-fill development

Inefficient Practices

“IMPROVE”

Green Supply | Local Efficiency



“SHIFT”

...to highly efficient urban systems



“AVOID”

...resource consumption through compact cities



Thank you

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