



Big numbers

Bad math

Ubiquitous

invisibility

Forward

momentum

in developed countries

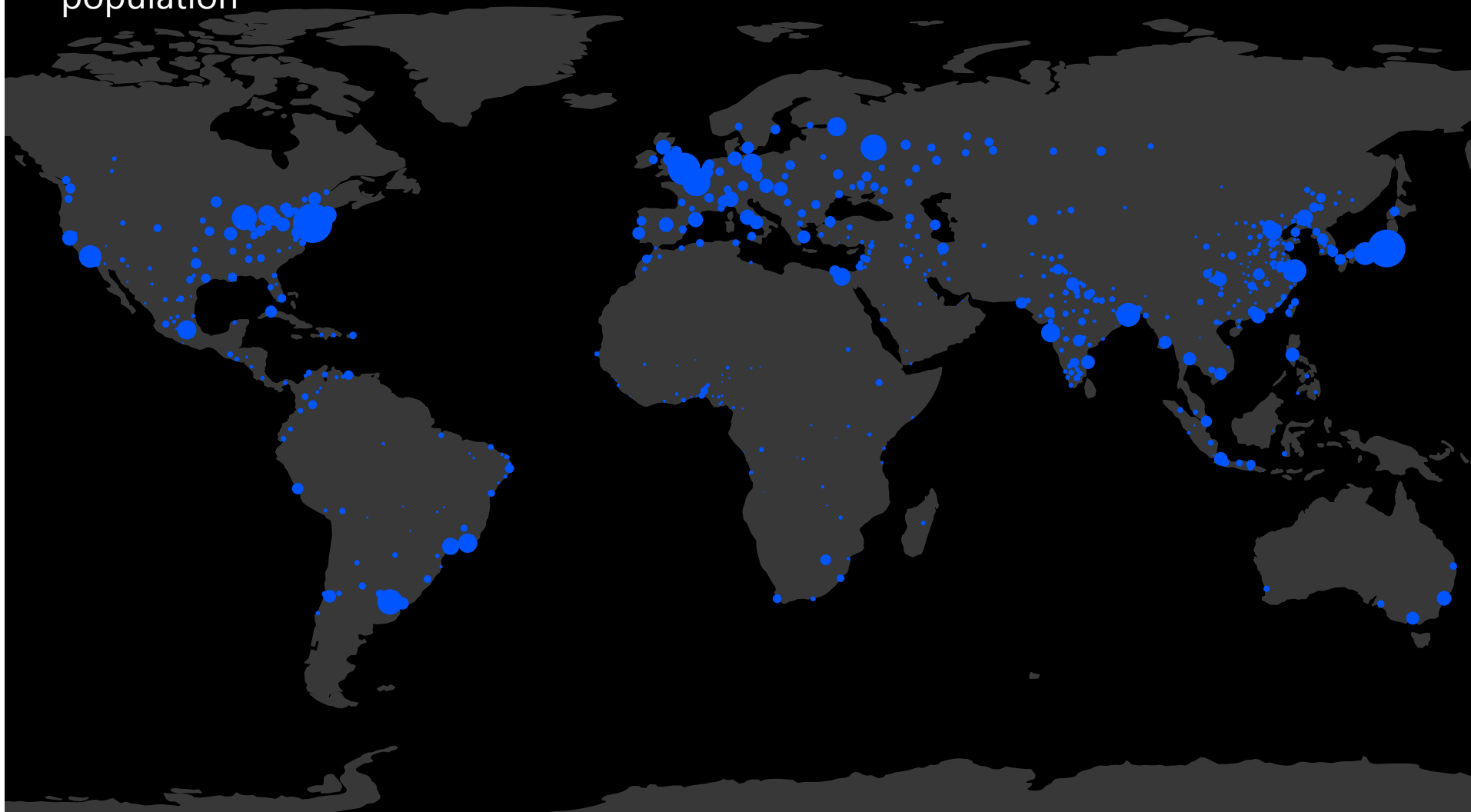
15%

~400,000,000,000,000

Cumulative number of trips globally 2014-2050

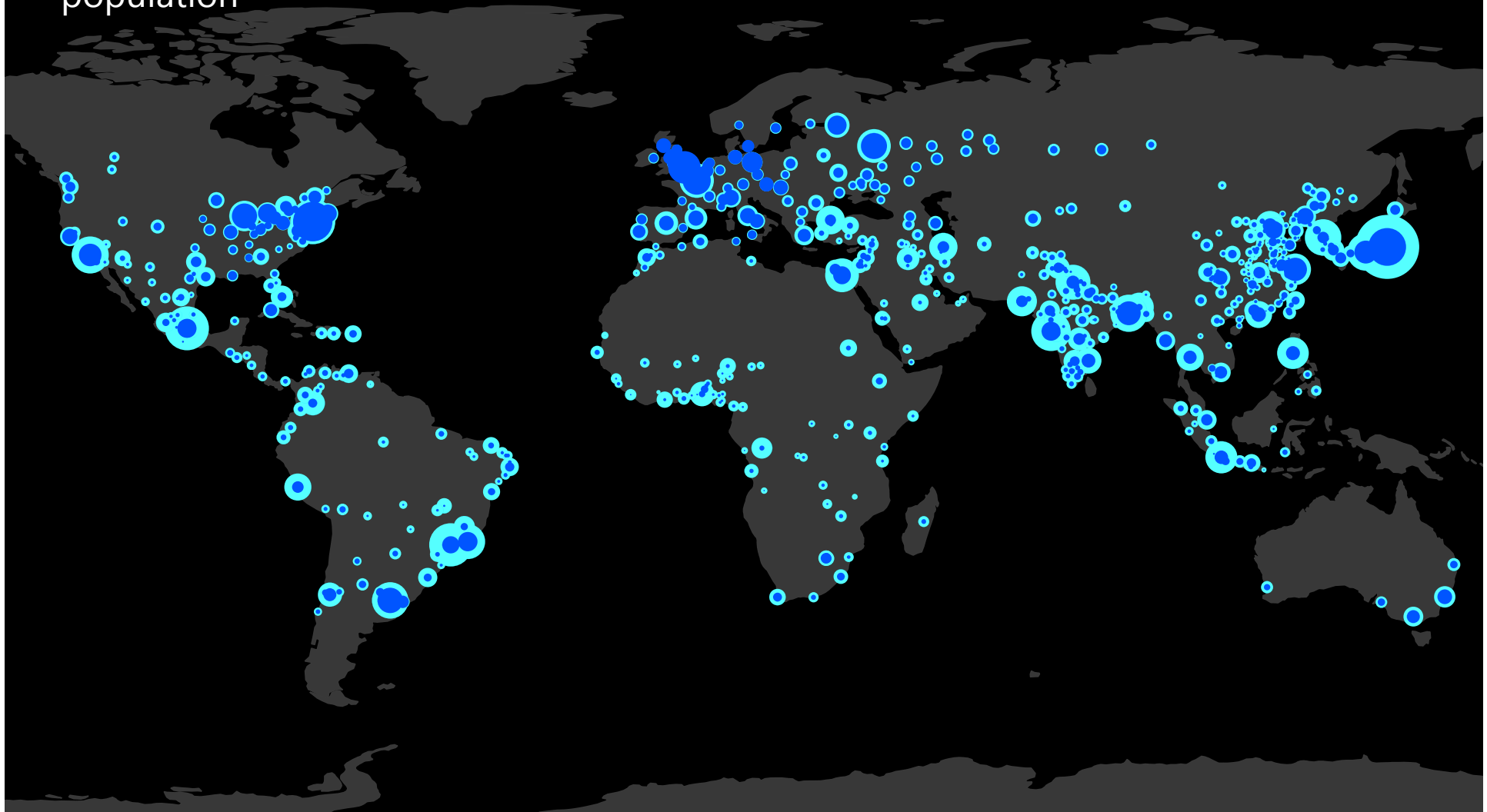
Urban areas: 1950

population



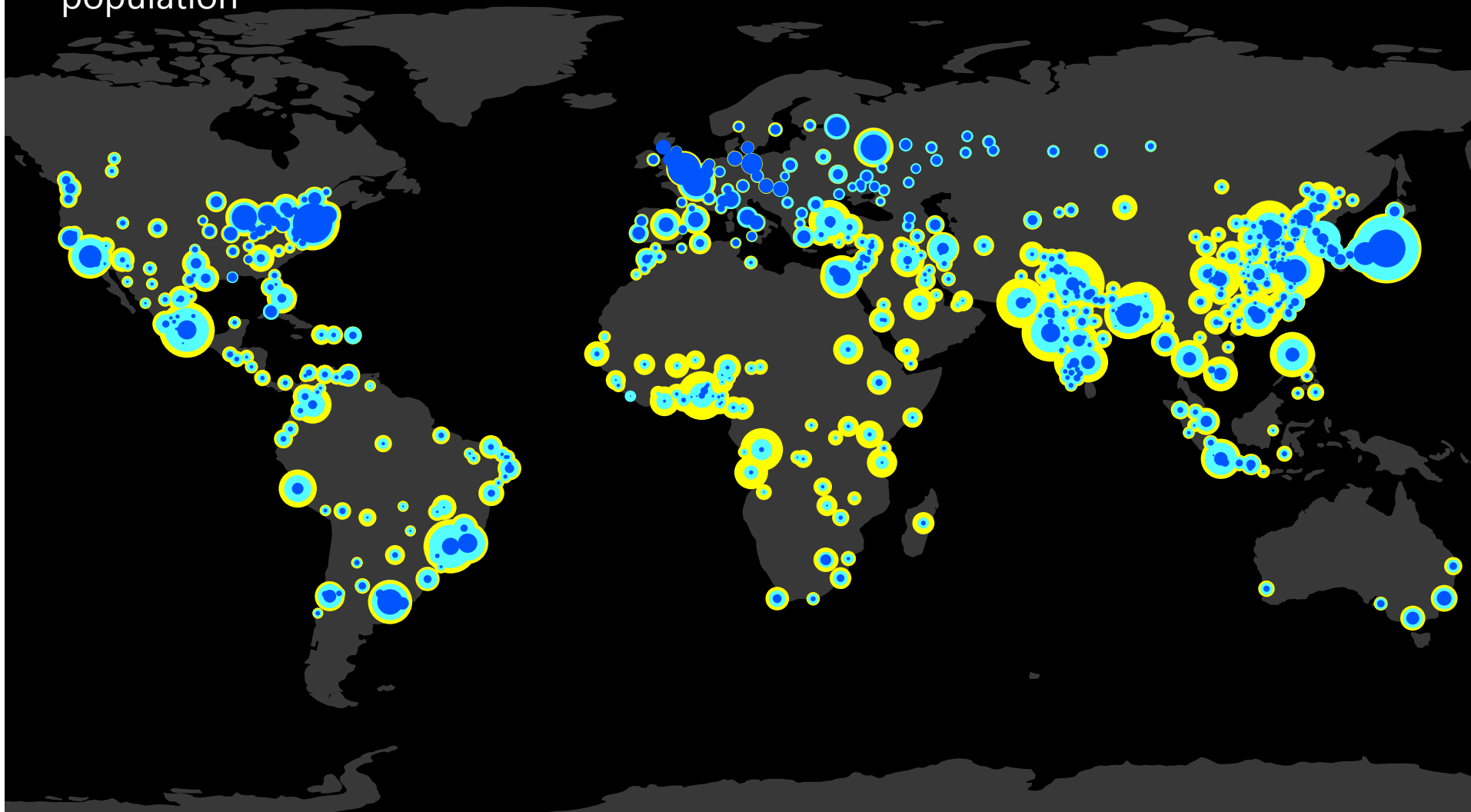
Urban areas: 1950, 1990

population



Urban areas: 1950, 1990, 2025

population



in developing countries

94%

~54,000,000,000,000

Cumulative number of **new** trips globally 2014-2050

in urban areas

97%

~54,000,000,000,000

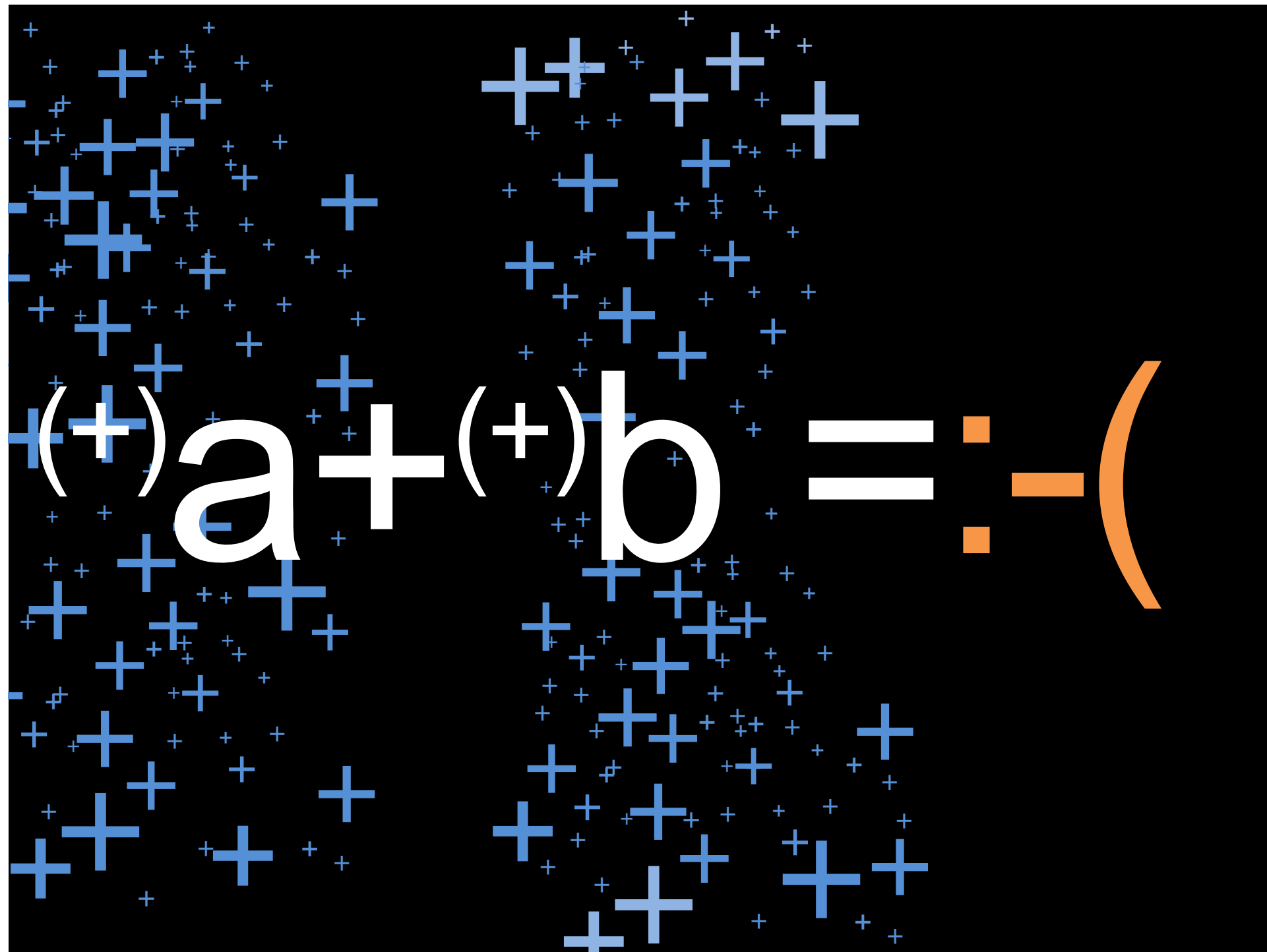
Cumulative number of **new** trips globally 2014-2050

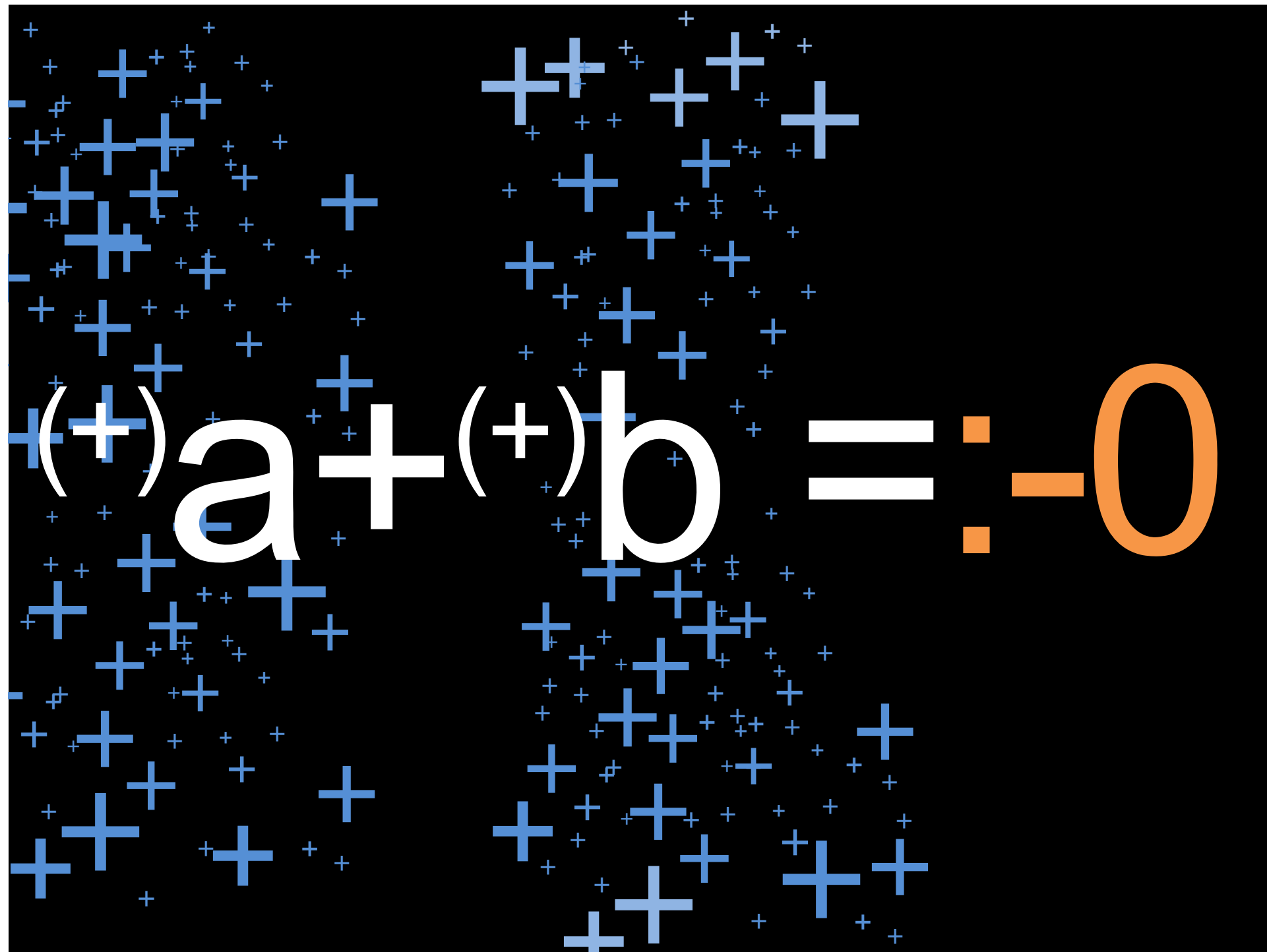
Bad math

Rule:

The sum of two positive integers is a positive integer.

$$(+a) + (+b) = (-)$$


$$(+)^a + (+)^b = :-($$


$$(+)^a + (+)^b = -0$$







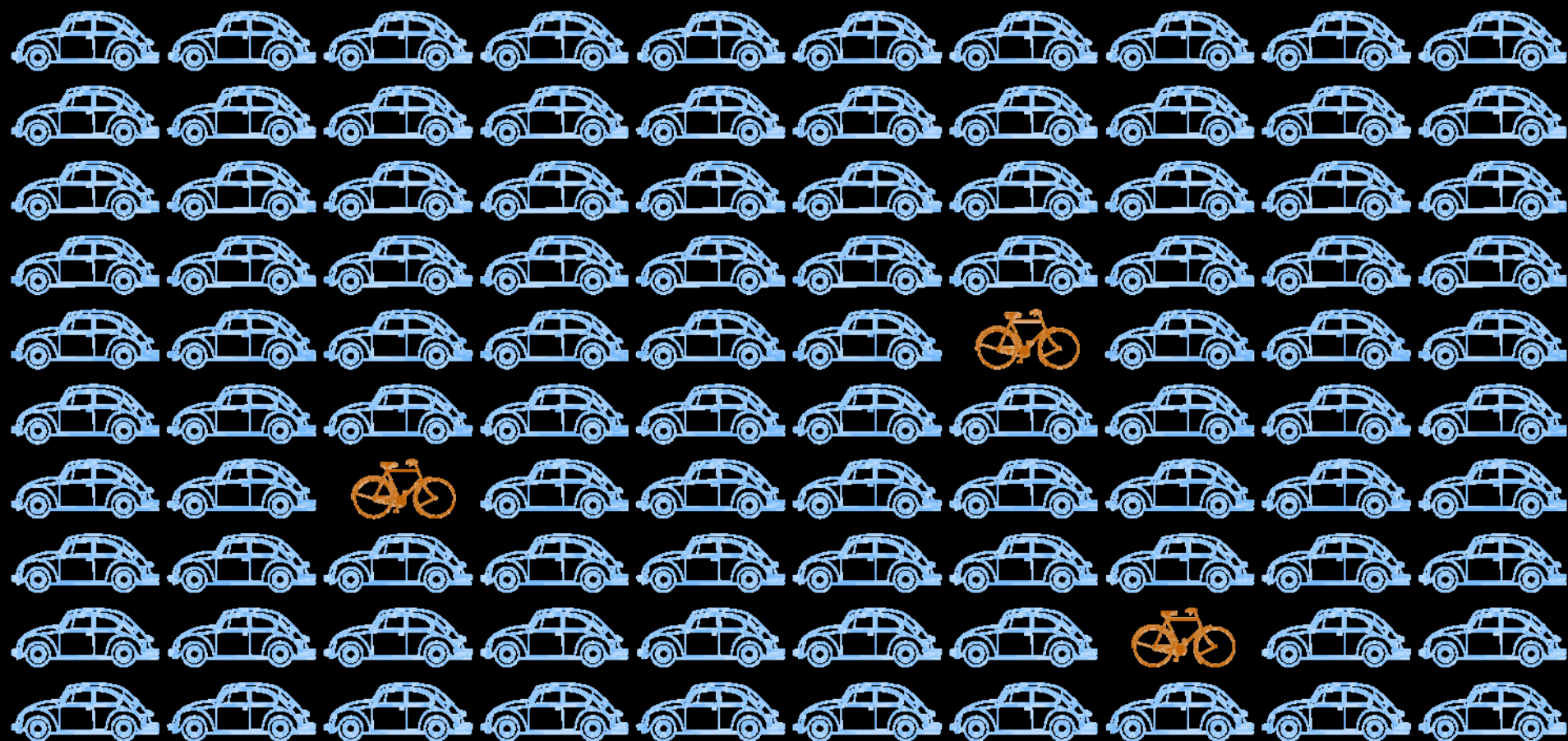


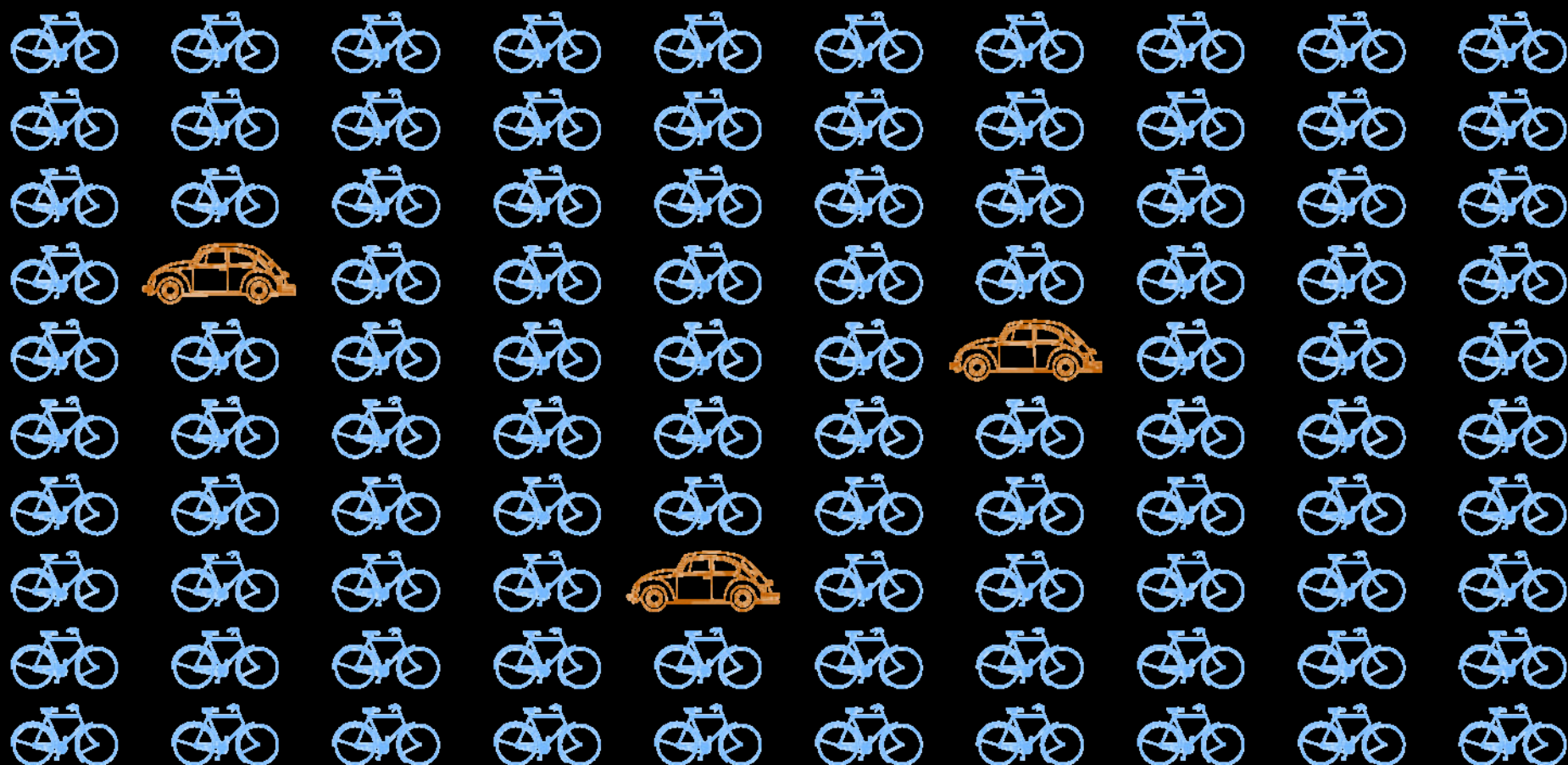
= City Safety Valve

Ubiquitous

invisibility







Forward

momentum

choiceful cities

 public transport

+ safety

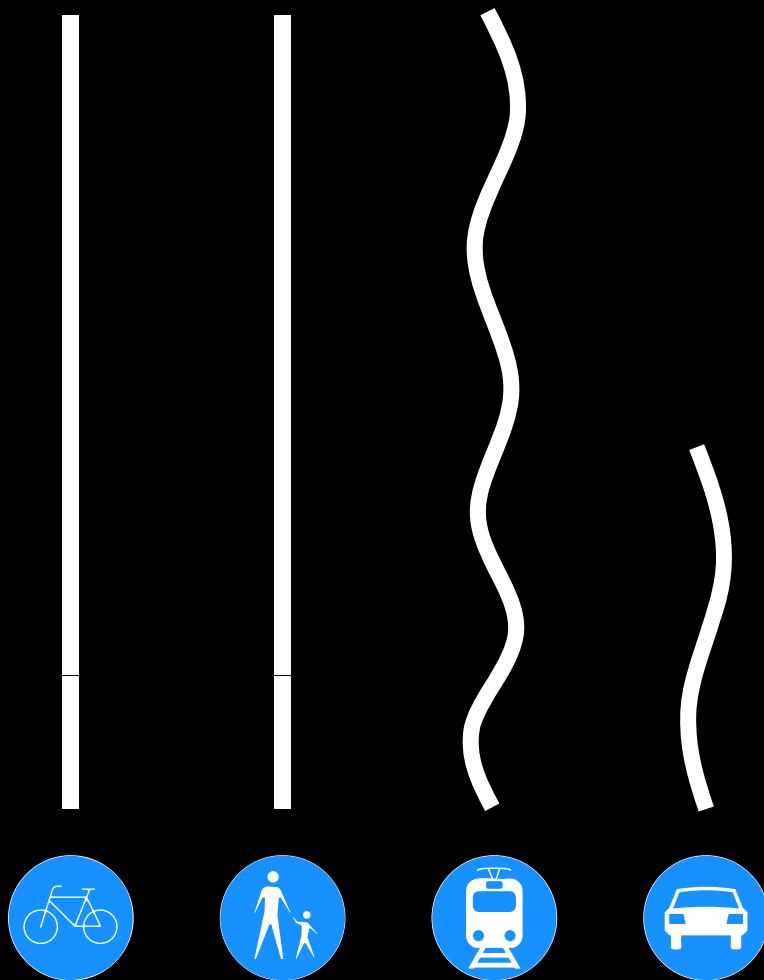
political commitment

Having
choices

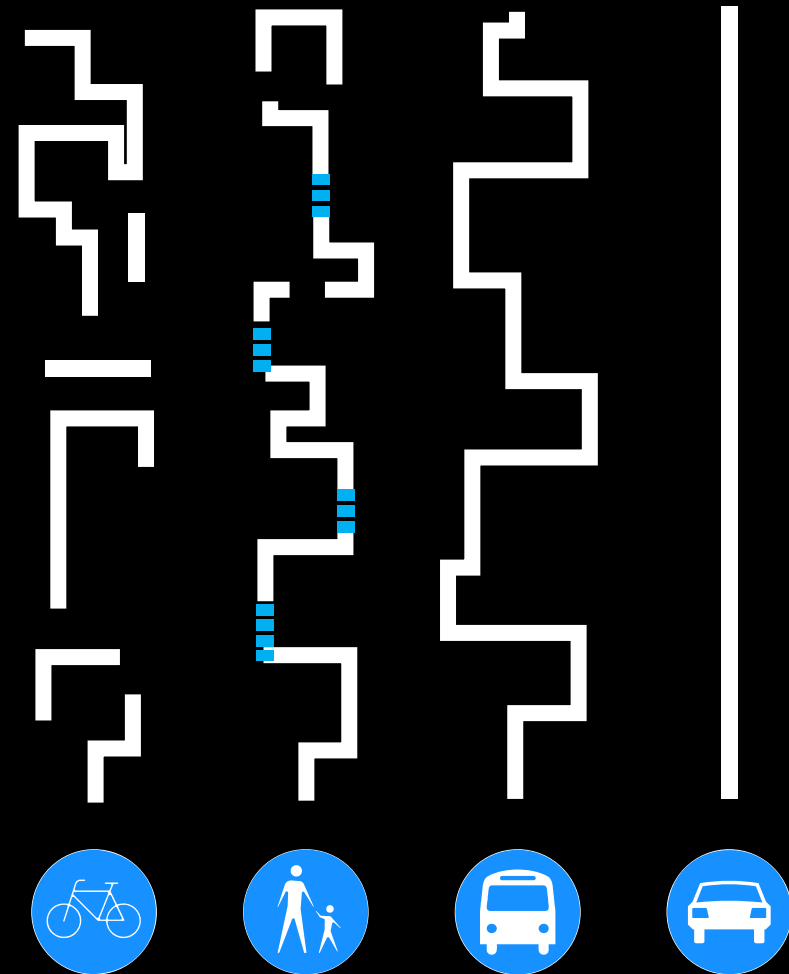
is a

choice

A Short History of Traffic Planning



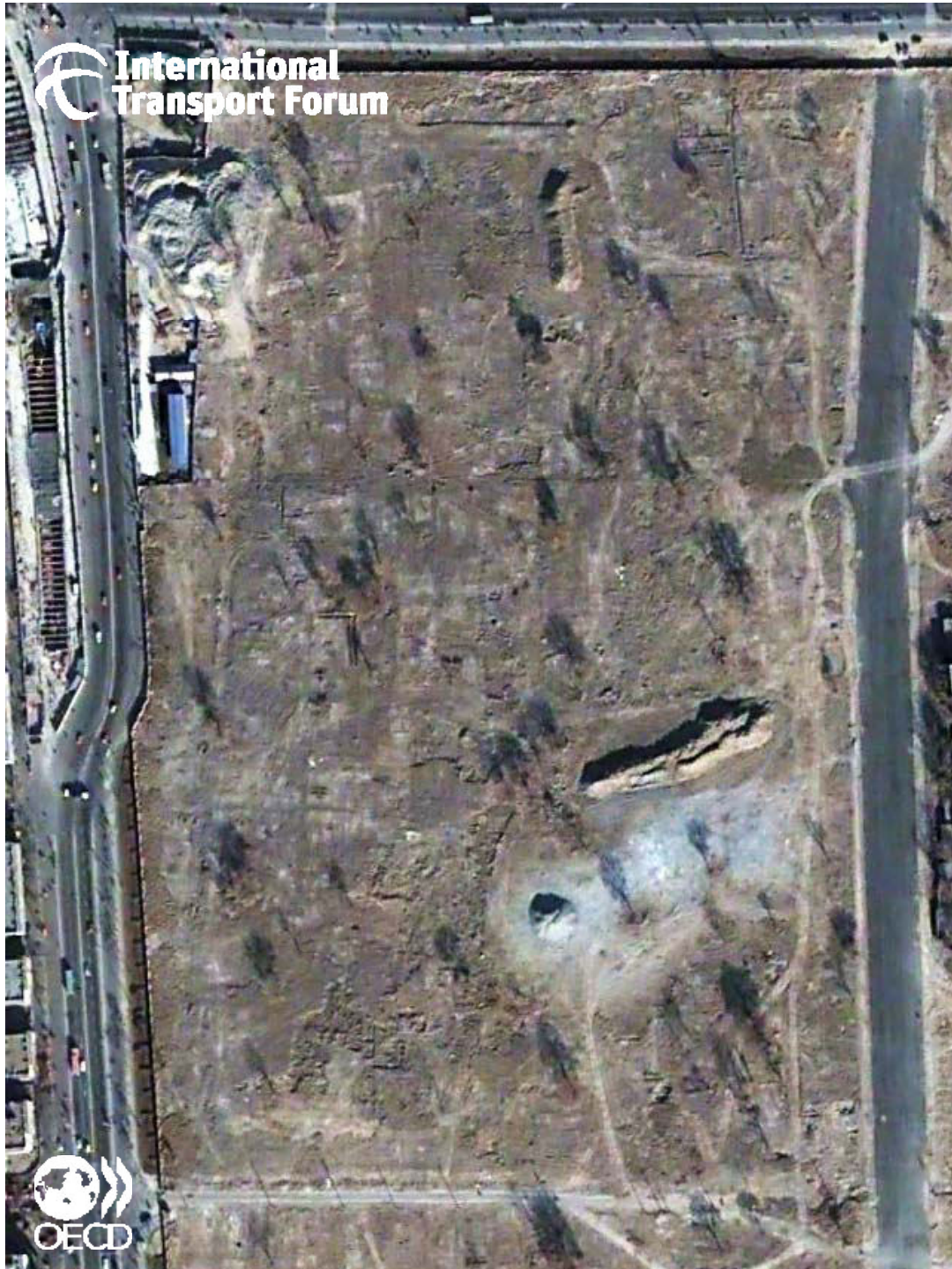
1920



1950s-present

October 2000





International
Transport Forum



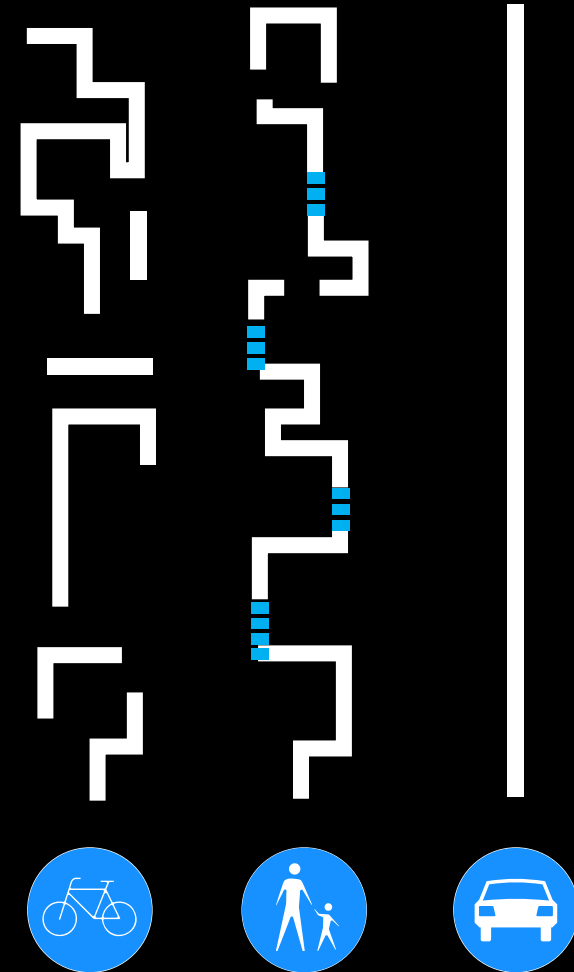
April 2004

?





February 2013



A dark, high-contrast map of Paris, France. The map is rendered in grayscale with a black background. A dense network of light gray lines represents the city's streets and infrastructure. Several prominent blue lines represent the major rivers of the Paris region, including the Seine and Marne. A thick yellow line outlines the central urban area of Paris. The word "Paris" is written in a large, bold, yellow sans-serif font, positioned in the upper right quadrant of the map.

Paris

Paris

Bike share stations

Paris
-5% Population
1999-2009

Paris

-5% Population

1999-2009

Serris

+220% '99-'09

Toussus-le-Noble

+40% '99-'09

Tigery

+100% '99-'09



Toussus-le-Noble
+40% '99-'09



Serris
+220% '99-'09



Tigery
+100% '99-'09

diffuse
urbanism
hyper



=

Access Enhancer



= Mobility Accelerant







=

Public Transport
Catalyst

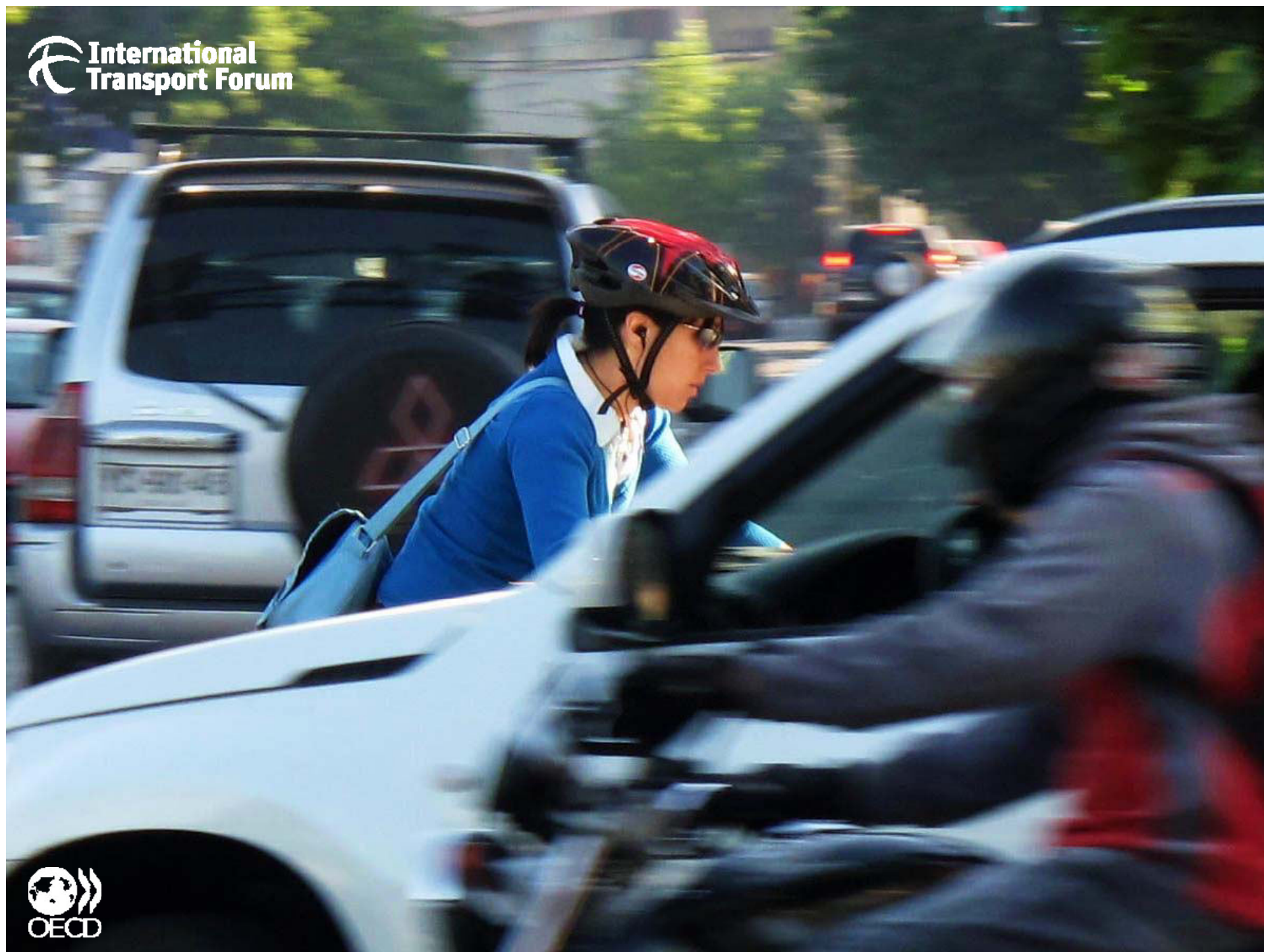
+ safety

on balance, the monetised benefits
from improved health are
approximately 20x greater than
the combined health impacts of
crashes and exposure to air pollution



= Health Booster











30%

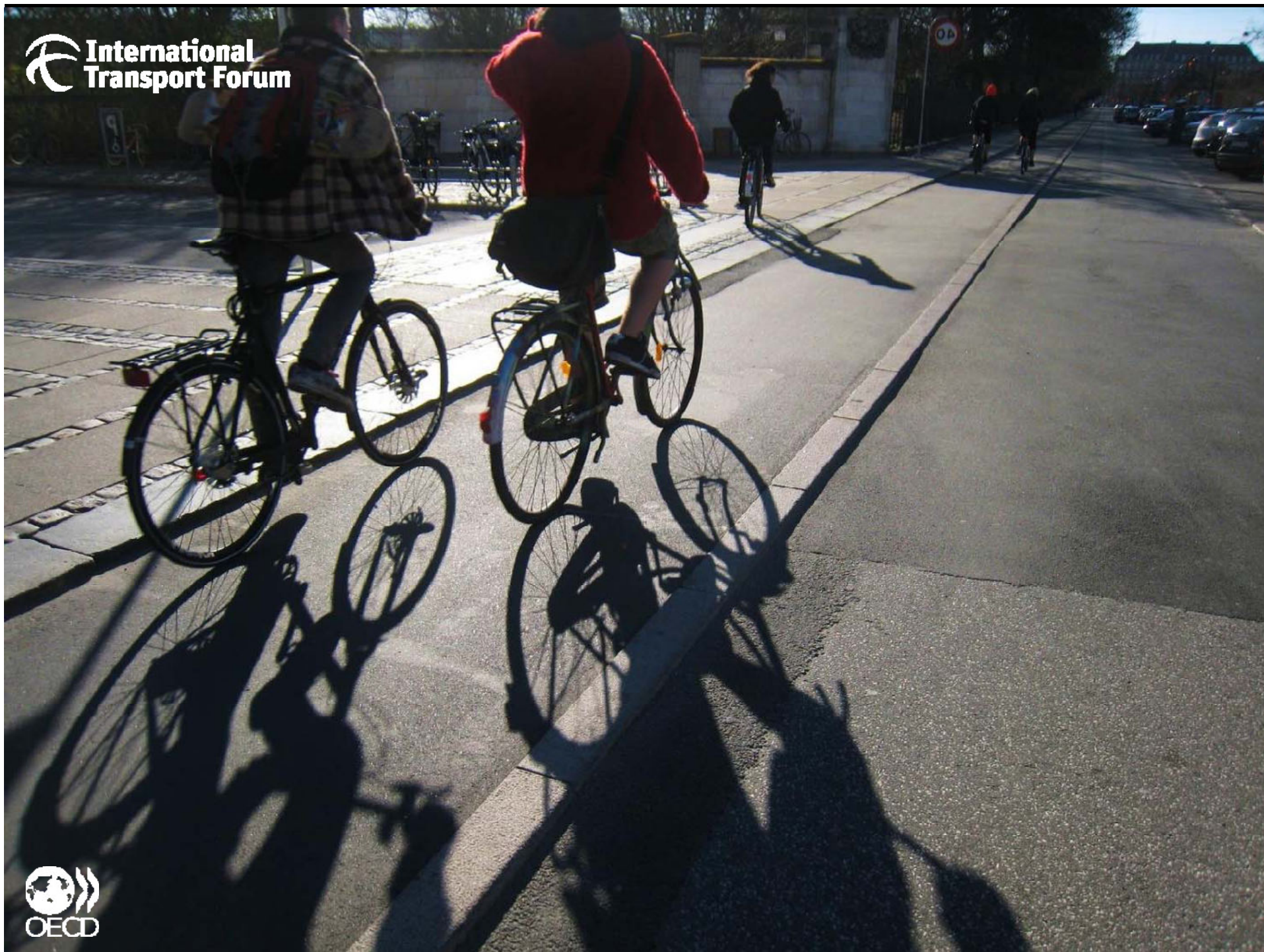


20

of Paris streets 30km or lower



14 30km "slow zones" in New York







= City Regenerator



CZECH REPUBLIC GHANA NETHERLANDS
SERBIA HUNGARY BELGIUM CHINA AUSTRIA
ITALY PORTUGAL ECUADOR SWITZERLAND
DENMARK NORWAY CHILE AUSTRALIA BRAZIL
FINLAND NIGERIA CROATIA CHINESE TAIPEI
ROMANIA UNITED KINGDOM INDIA SLOVAK
REPUBLIC SLOVENIA UGANDA HUNGARY SPAIN
GERMANY SWEDEN NEW ZEALAND FRANCE
POLAND ICELAND UNITED STATES OF AMERICA
COLOMBIA MEXICO TURKEY JAPAN IRELAND

