

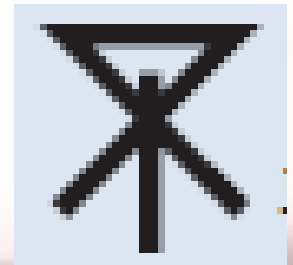


**XXIV<sup>th</sup> World  
Road Congress  
Mexico 2011**  
Mexico City 2011.

# **MEASURES FOR USE OF PUBLIC TRANSPORT IN OSAKA CITY**

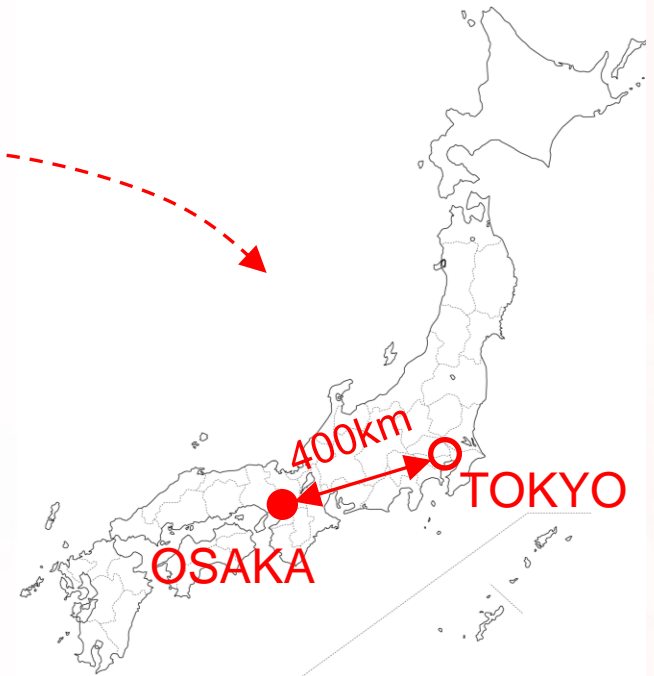
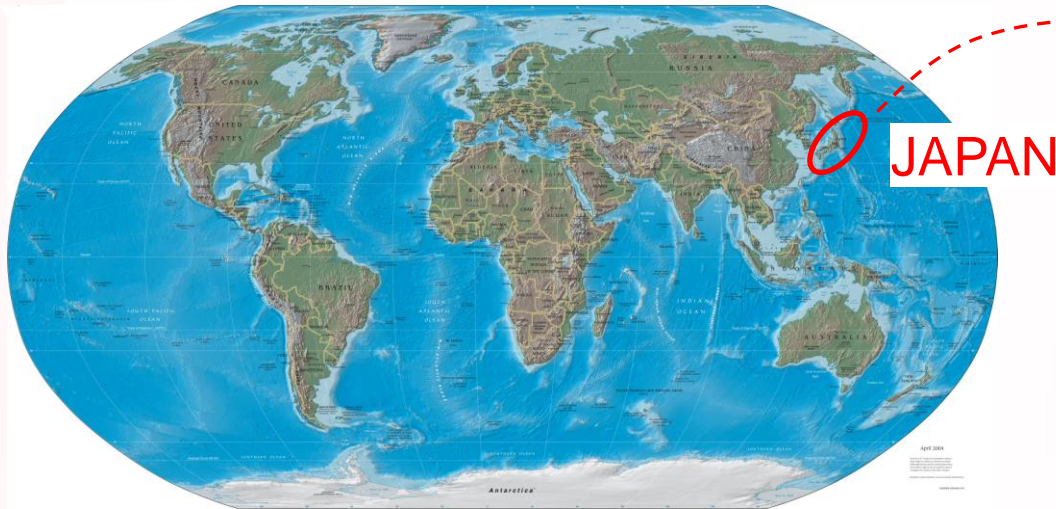
**SATOSHI ARAKI**

- OSAKA CITY GOVERNMENT
- Staff Officer
- [s-araki@city.osaka.lg.jp](mailto:s-araki@city.osaka.lg.jp)

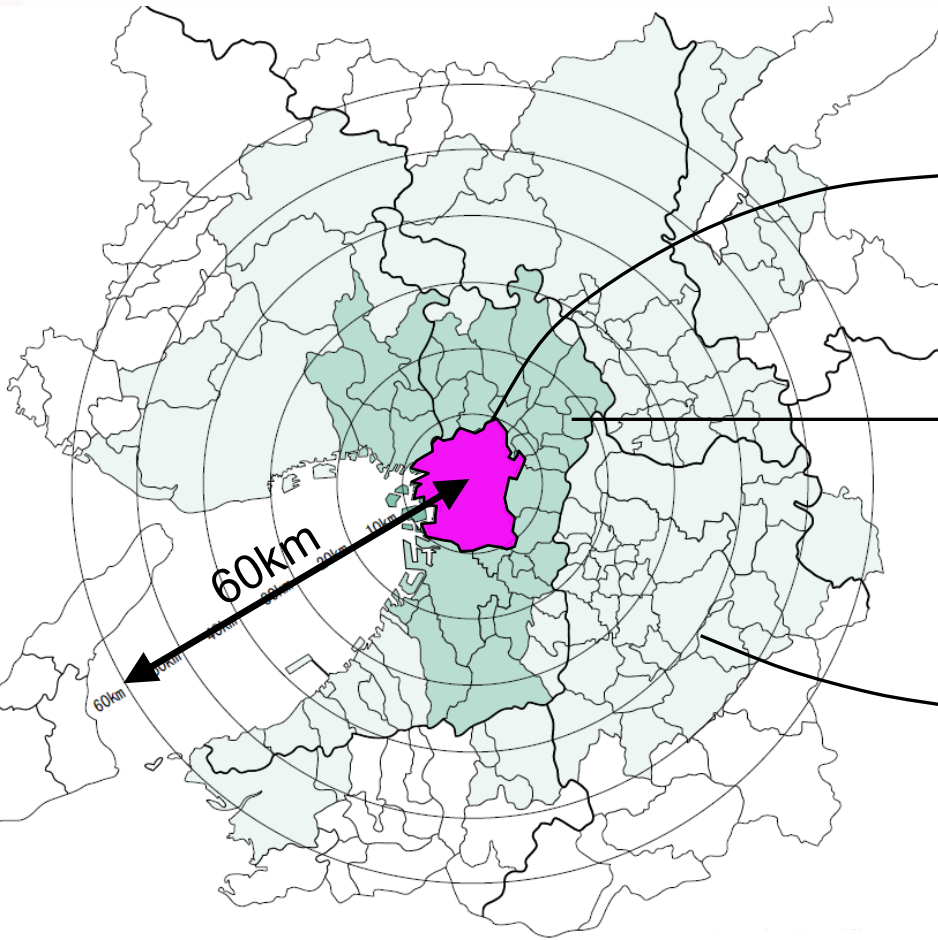


# Location of Osaka

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# Osaka Metropolitan Area



## Osaka city

Area=221km<sup>2</sup>

Population=2.60million persons

## Primary area

Area=1,465km<sup>2</sup>

Population=7.05million persons

## Secondary area

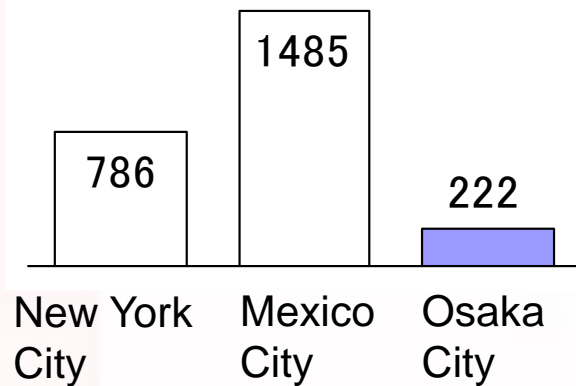
Area=6,400km<sup>2</sup>

Population=7.65million persons

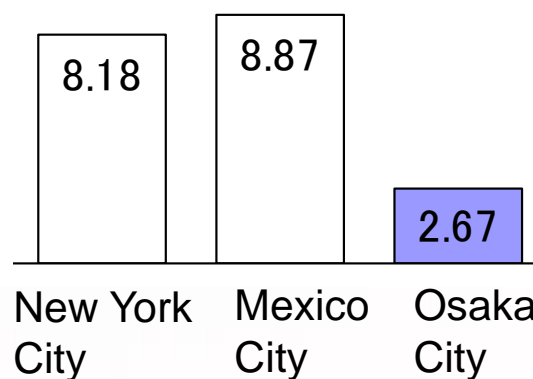


# Comparison of key indicators

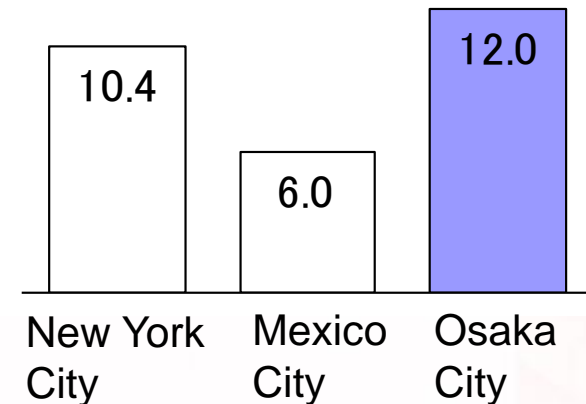
Area (km<sup>2</sup>)



Population (million)

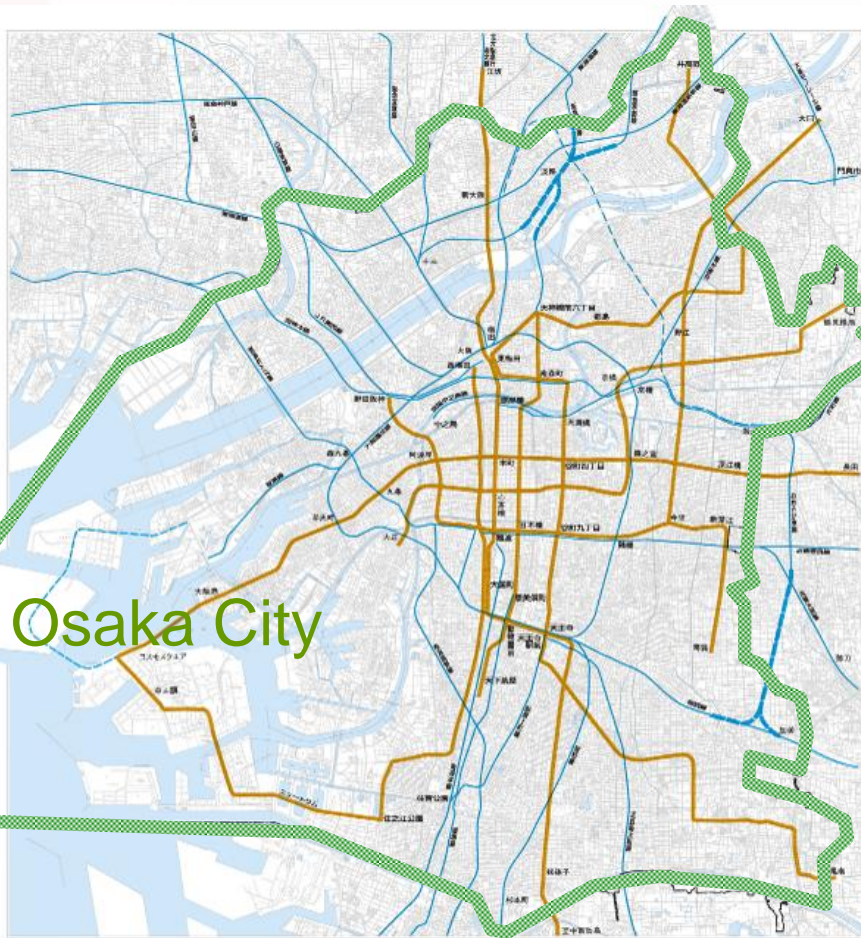


Population density (1,000 persons/km<sup>2</sup>)





# Railway Network in Osaka City



— : Transport Bureau of Osaka City  
(subway)  
Length=116km

— : Private Railways  
Length=203km

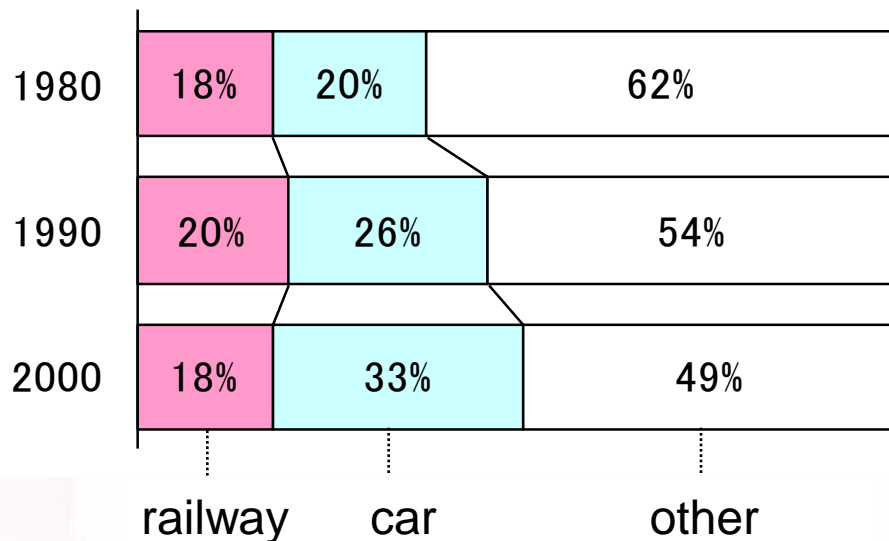
- - - : Private Railways  
(under construction)  
Length=10km



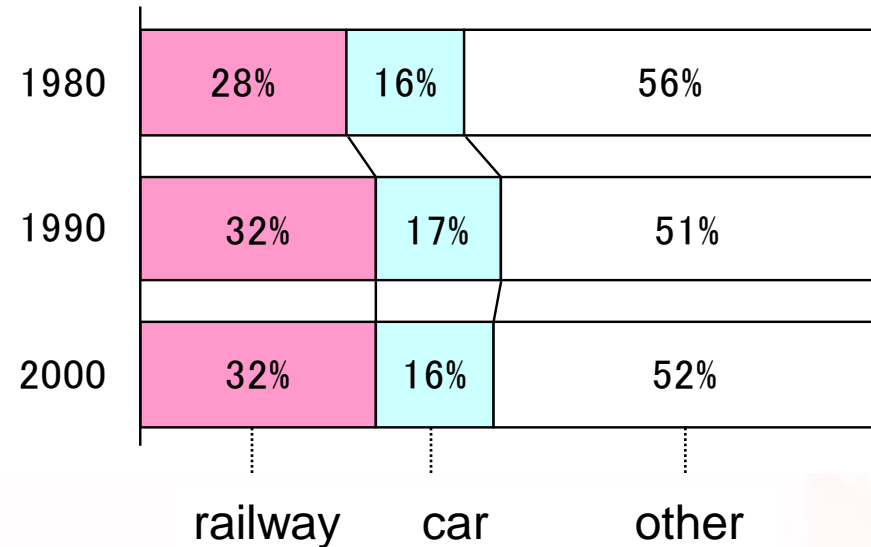
# Current situation in transport of Osaka city

< Modal split at trip generation >

Keihanshin metropolitan area



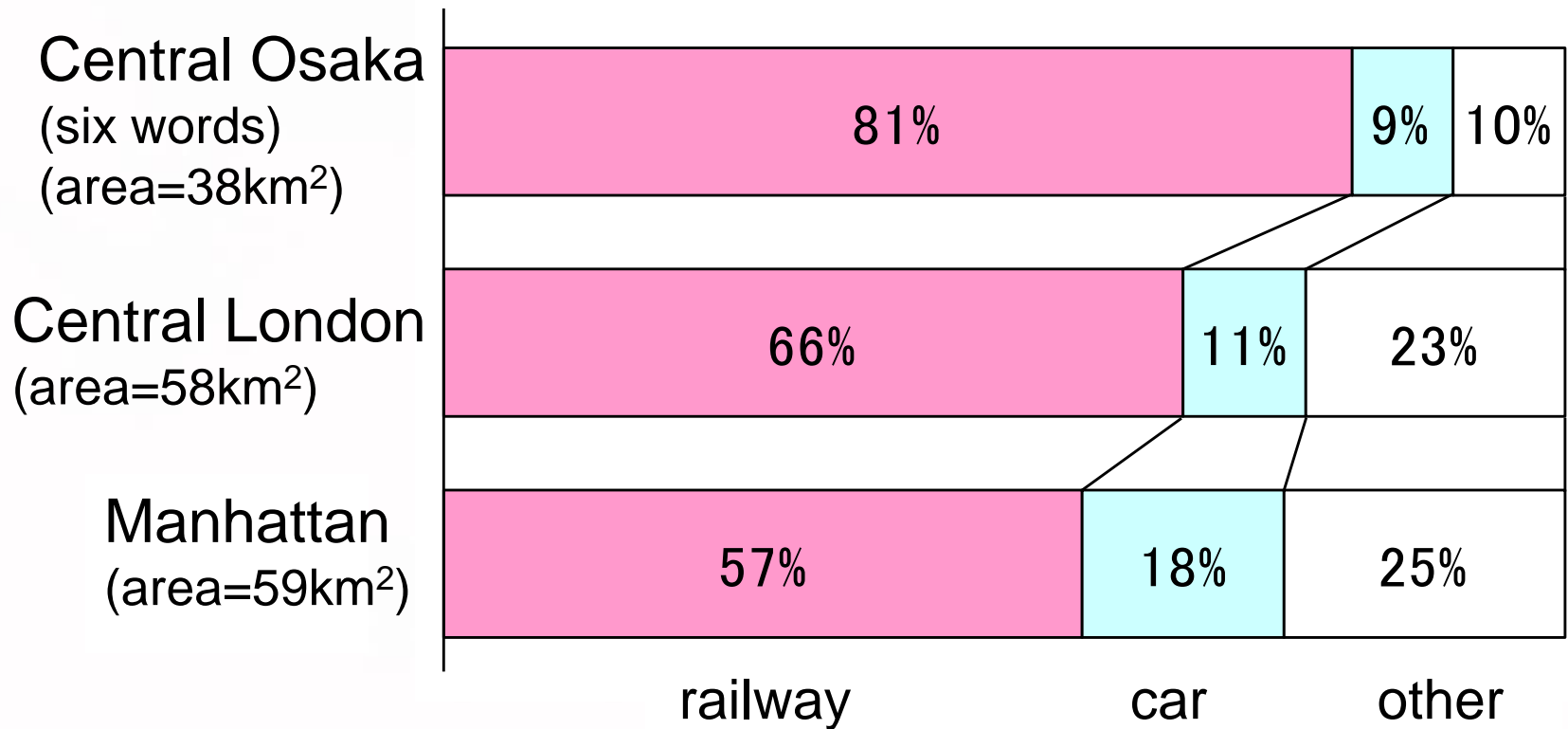
Osaka city



\* Sources : Keihanshin metro area Person Trip Survey

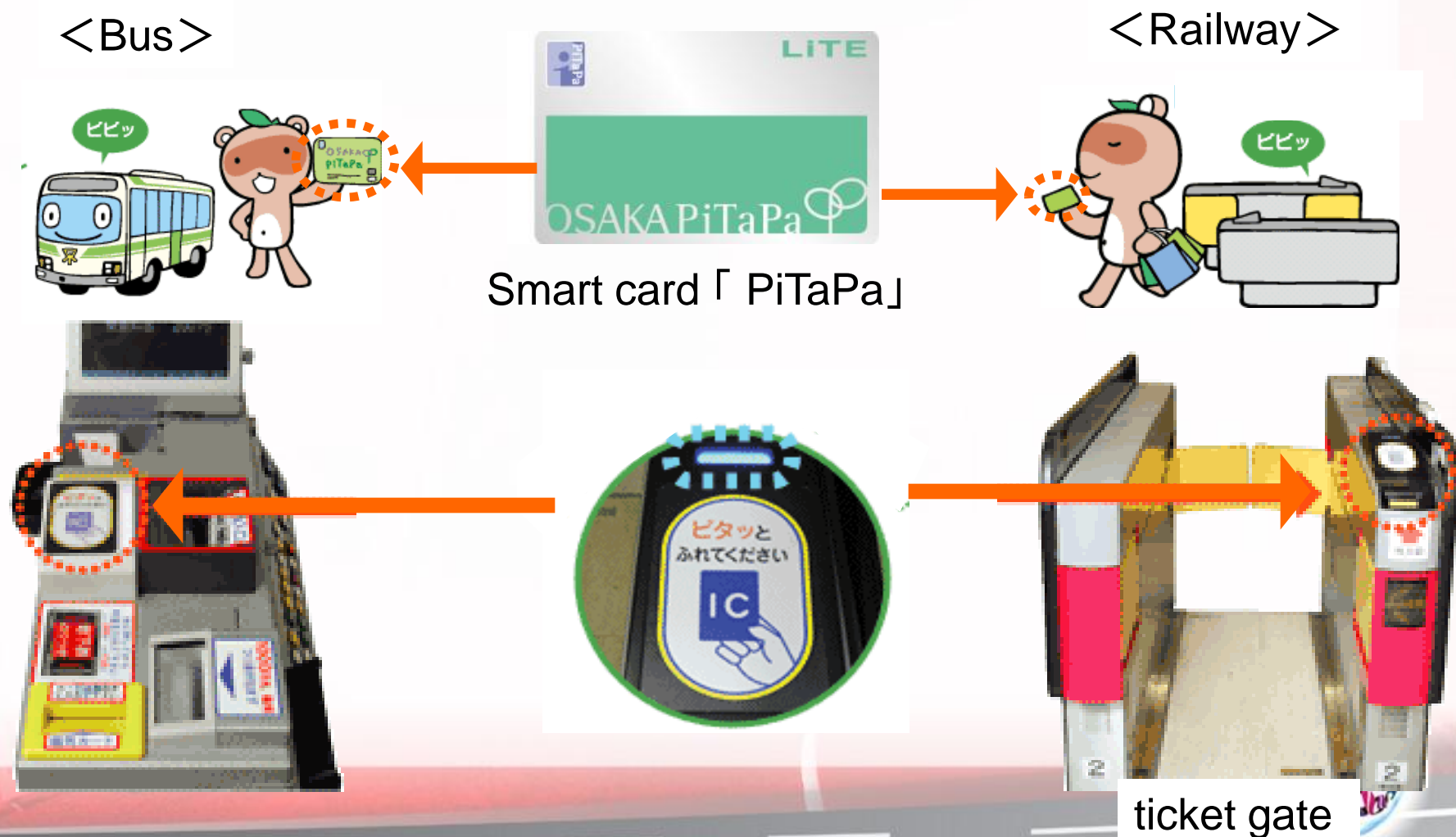


# Modal Split of commuting (%) in International cities



Sources (year)    -Osaka    Keihanshin metro area Person Trip Survey (2000)  
 -London    Labor Force Survey (2004) in London Travel Report 2005  
 -New York    Census (1990)

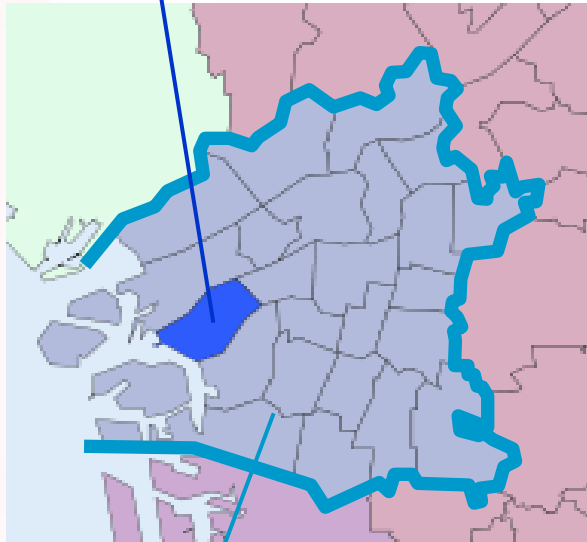
# Discount Fare System for Transport System (Railway, Bus)





# Mobility Management (2006~)

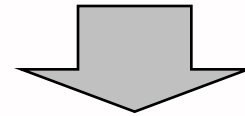
MINATO-KU



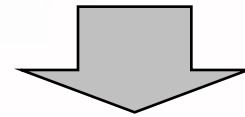
10km

OSAKA CITY

study team for  
“Project to Promote Environmentally  
Friendly Transport”



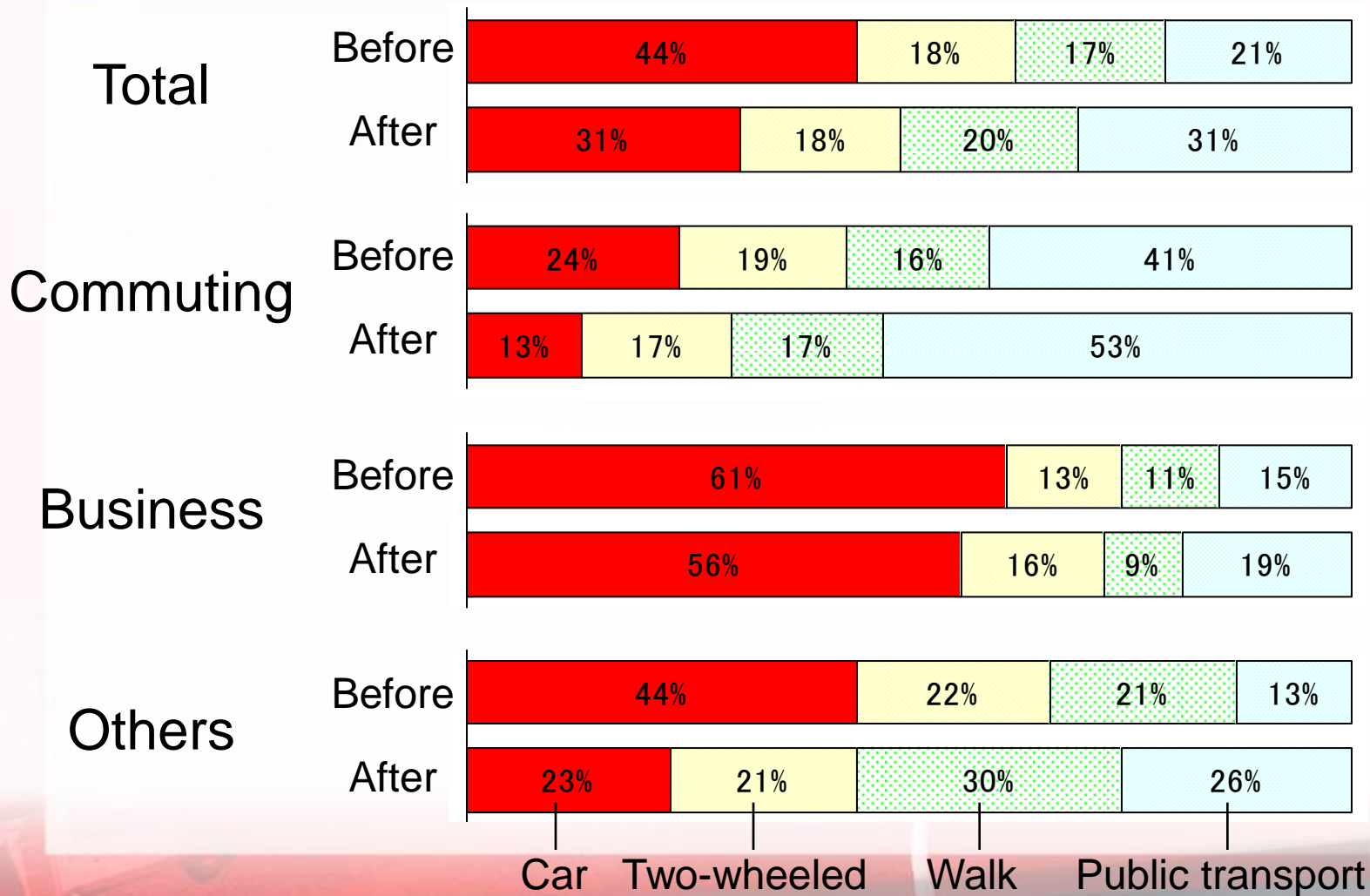
( provision of information for public transport,  
or brochure of environmental education )



residents , employees ,  
people who moved , etc



# Change in travel time by purpose and by mode (citizens)



# Class Material for Transport Education

## 人と自然・環境に優しい 交通教育

小学校編-1



地球の温暖化と移動(交通)手段の選び方

1

Human-, Nature-, and  
Environmentally-Friendly Transport  
Education

For Elementary School, Part I

Global Warming and  
Choice of Travel (Transport) Modes

## 温室効果ガス(二酸化炭素)と交通の関係について

- 地球温暖化が進まないように取り組む  
ことが必要
- 二酸化炭素の量を少なくするために、  
私たちは交通手段を使うとき、どのよ  
うなことができるのか、考えてみよう

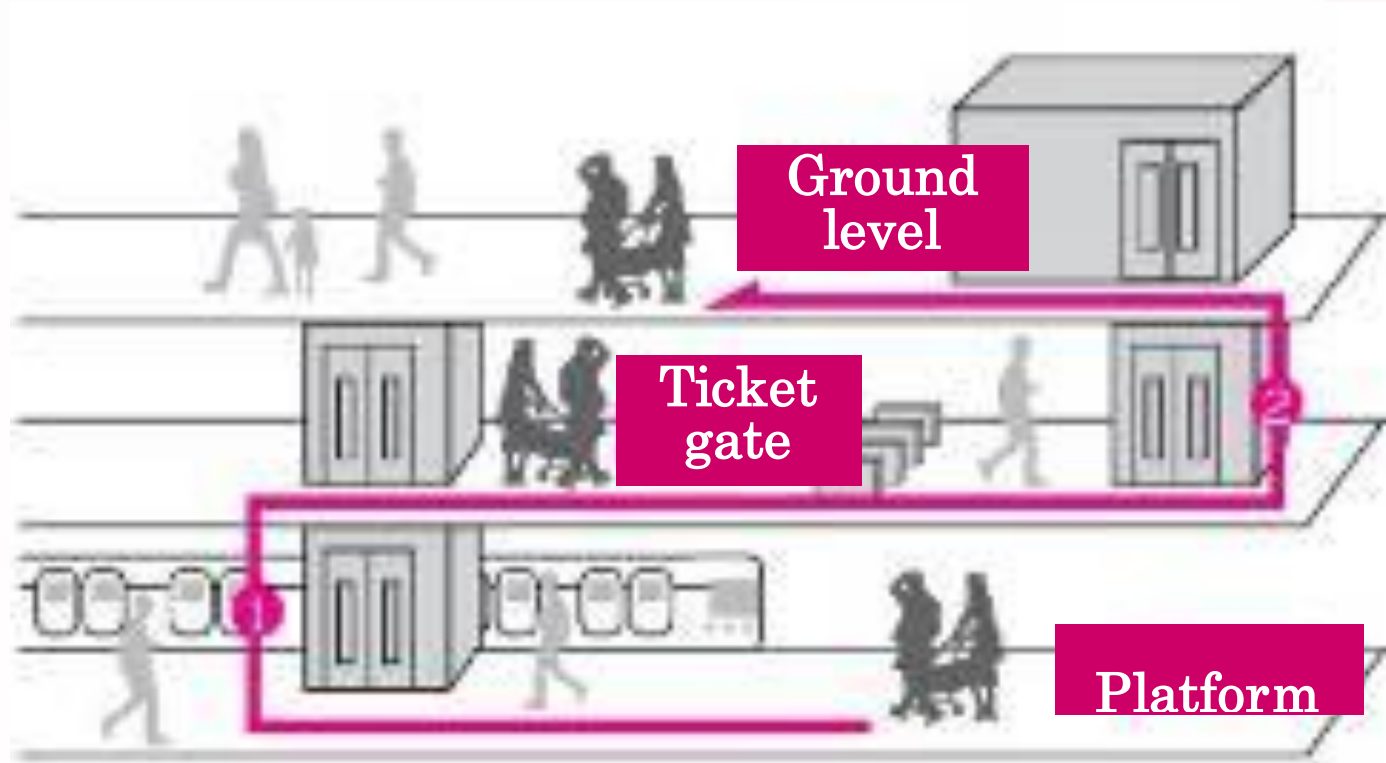


12

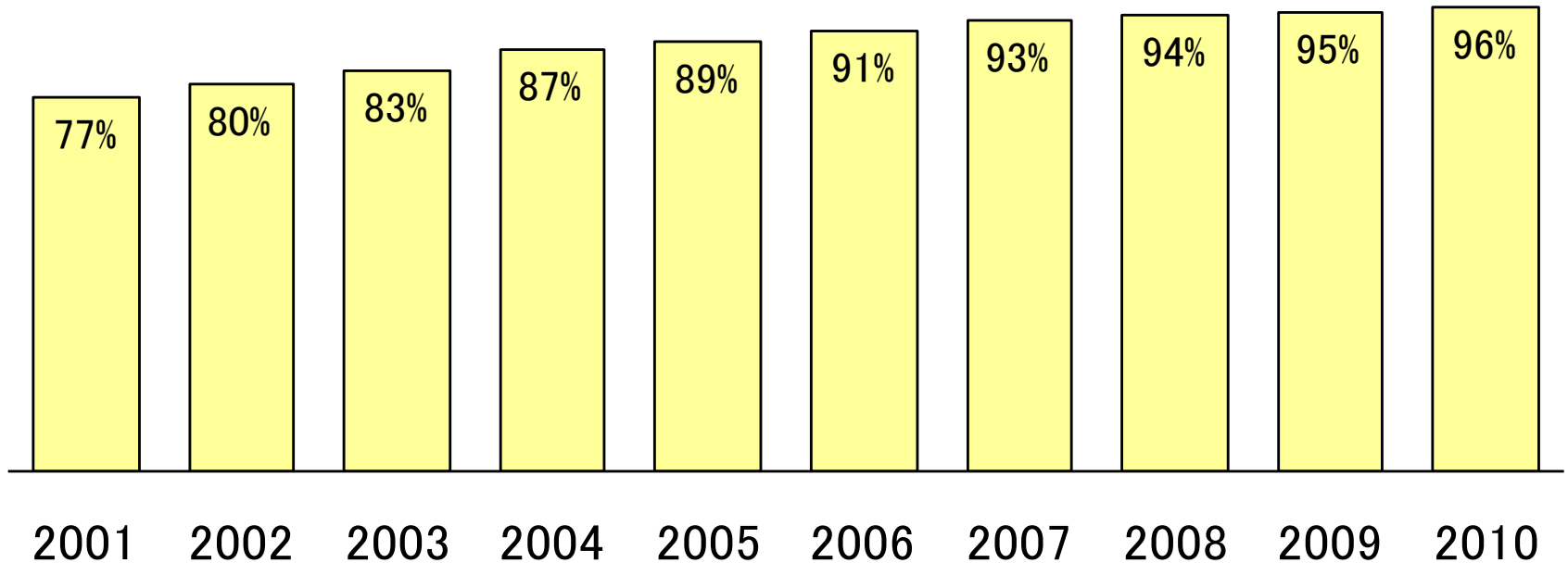
Relationship between Greenhouse Gas  
(CO<sub>2</sub>) and Transport

- Necessary to tackle with repression of  
global warming
- Let us think what we can do to reduce  
CO<sub>2</sub> emission when using transport  
modes

# Elevator in municipal subway and image of securing route



# Evolution in installation of elevators at stations of railway



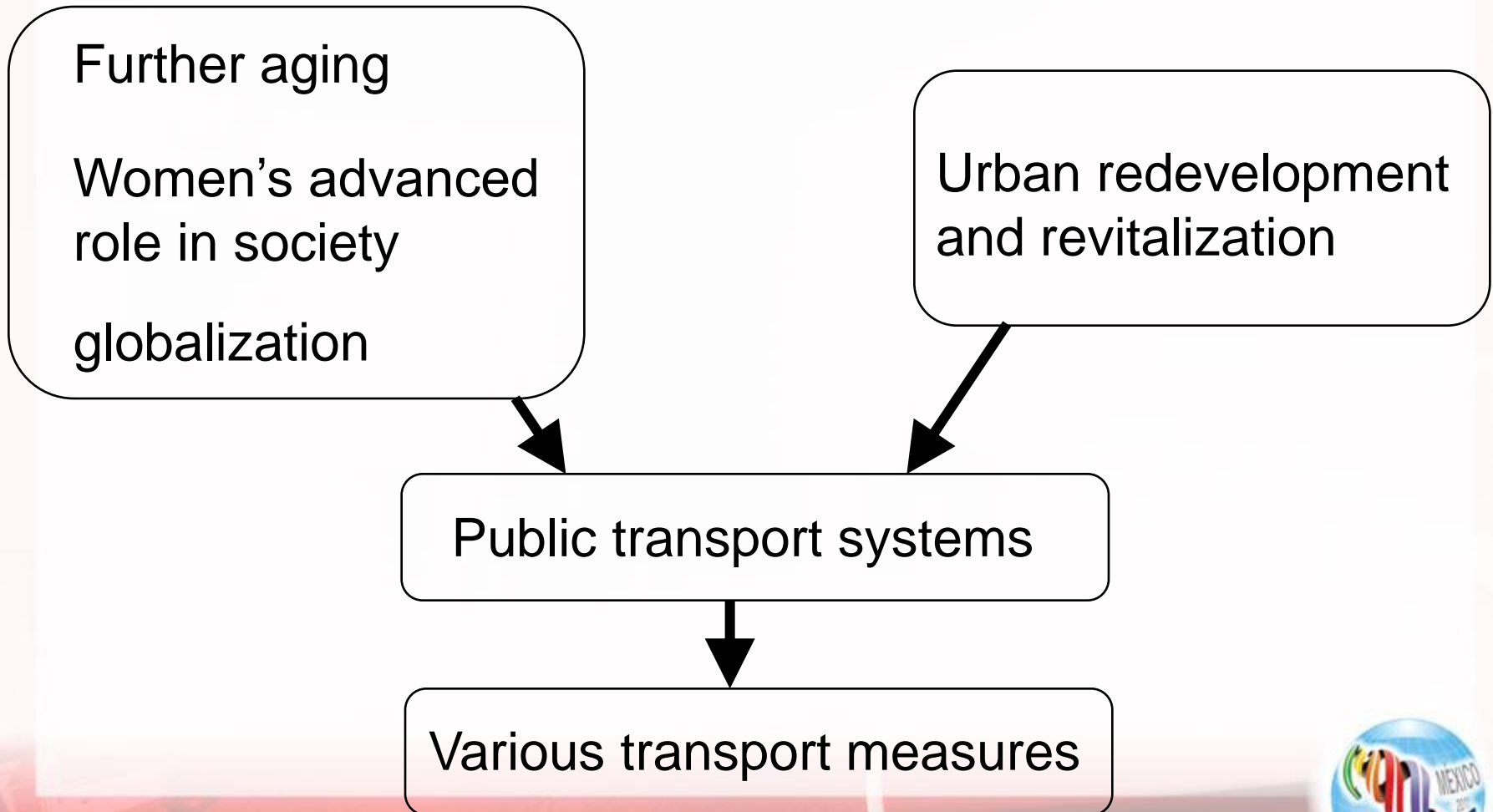
(Survey was conducted for stations with over 5,000 ridership and 5m difference in height )





# Transportation policy of Osaka city

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Thank you very much for your attention.

