



## Transportation strategy of Beijing

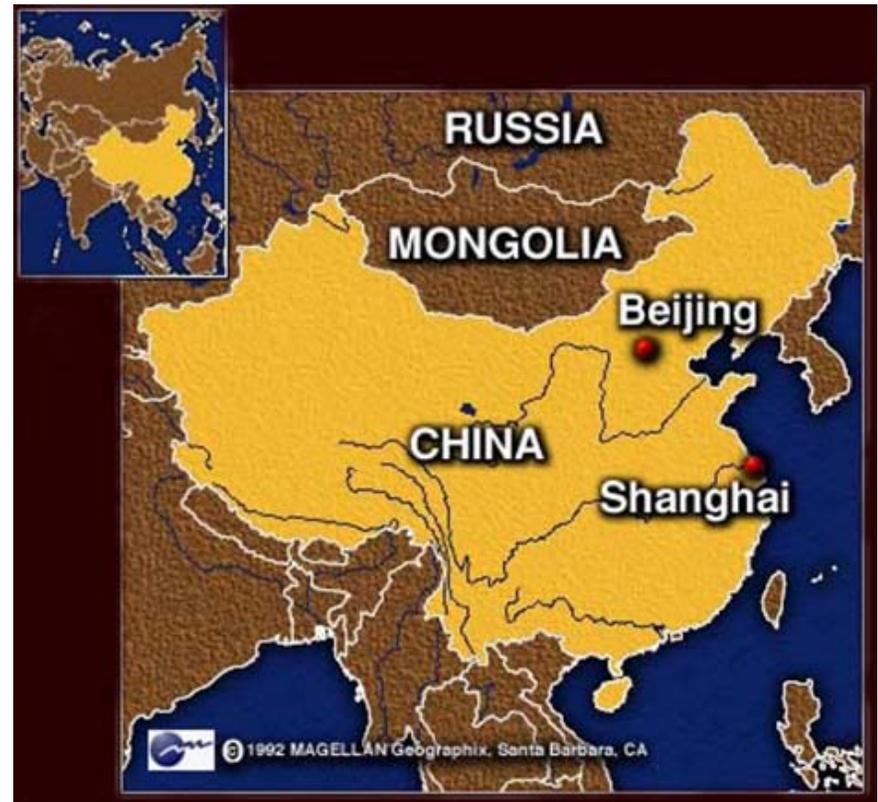
**Jinchuan Chen**

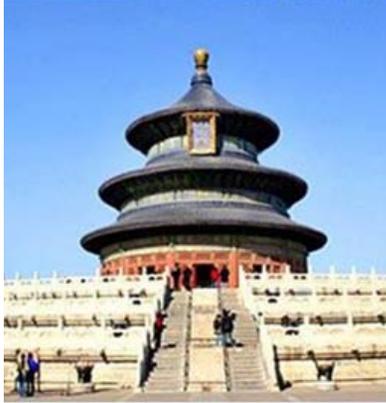
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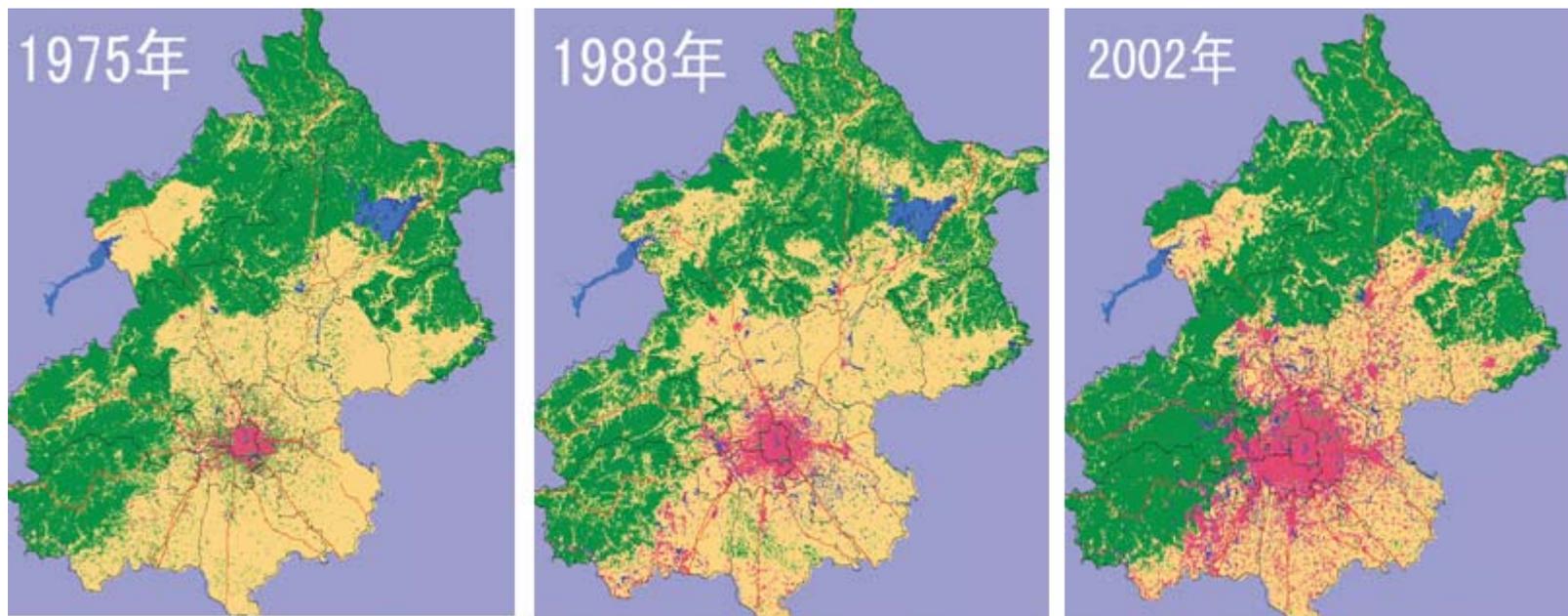
# Beijing City

- Home to the well-known "Peking Man (Sinanthropus pekinensis)" relic that dated back 200,000 to 700,000 years ago.
- The city has stood on its current site for well over 3,000 years
- The capital of P.R. China

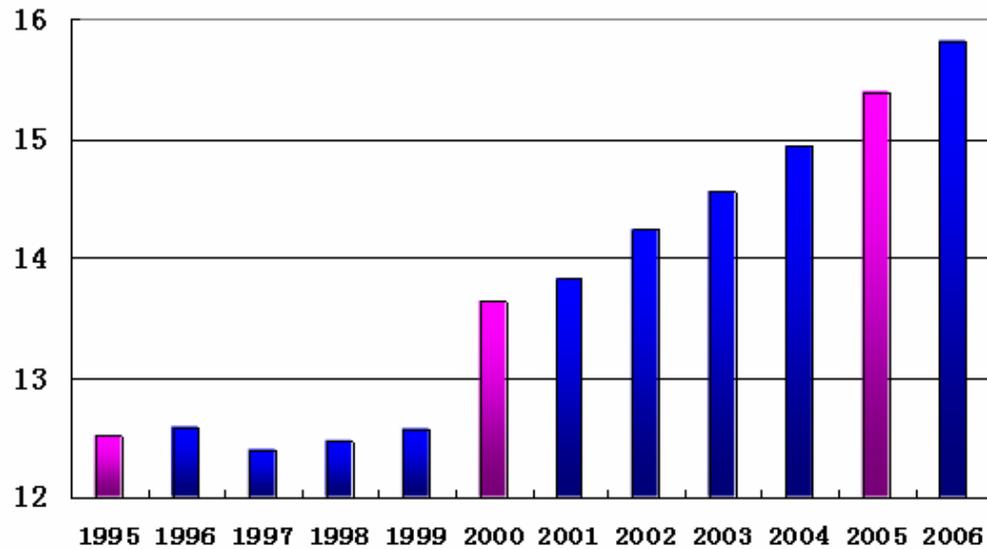




## Sprawl of urban area

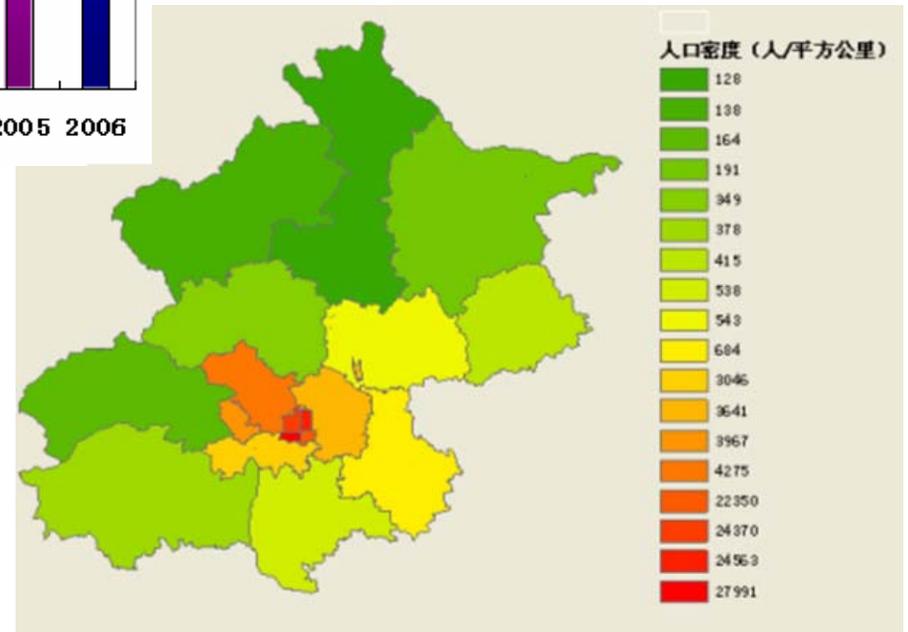


# Population and density



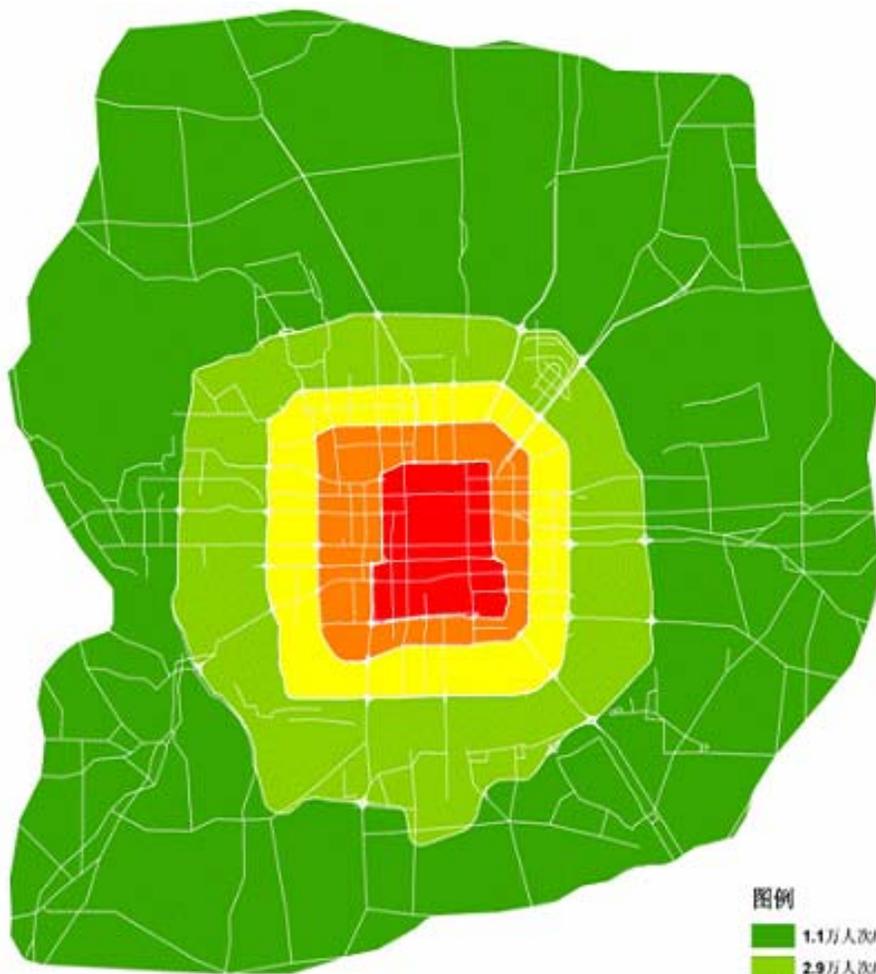
Population

## Density distribution





# Radiating trip causes inefficiency of facility use

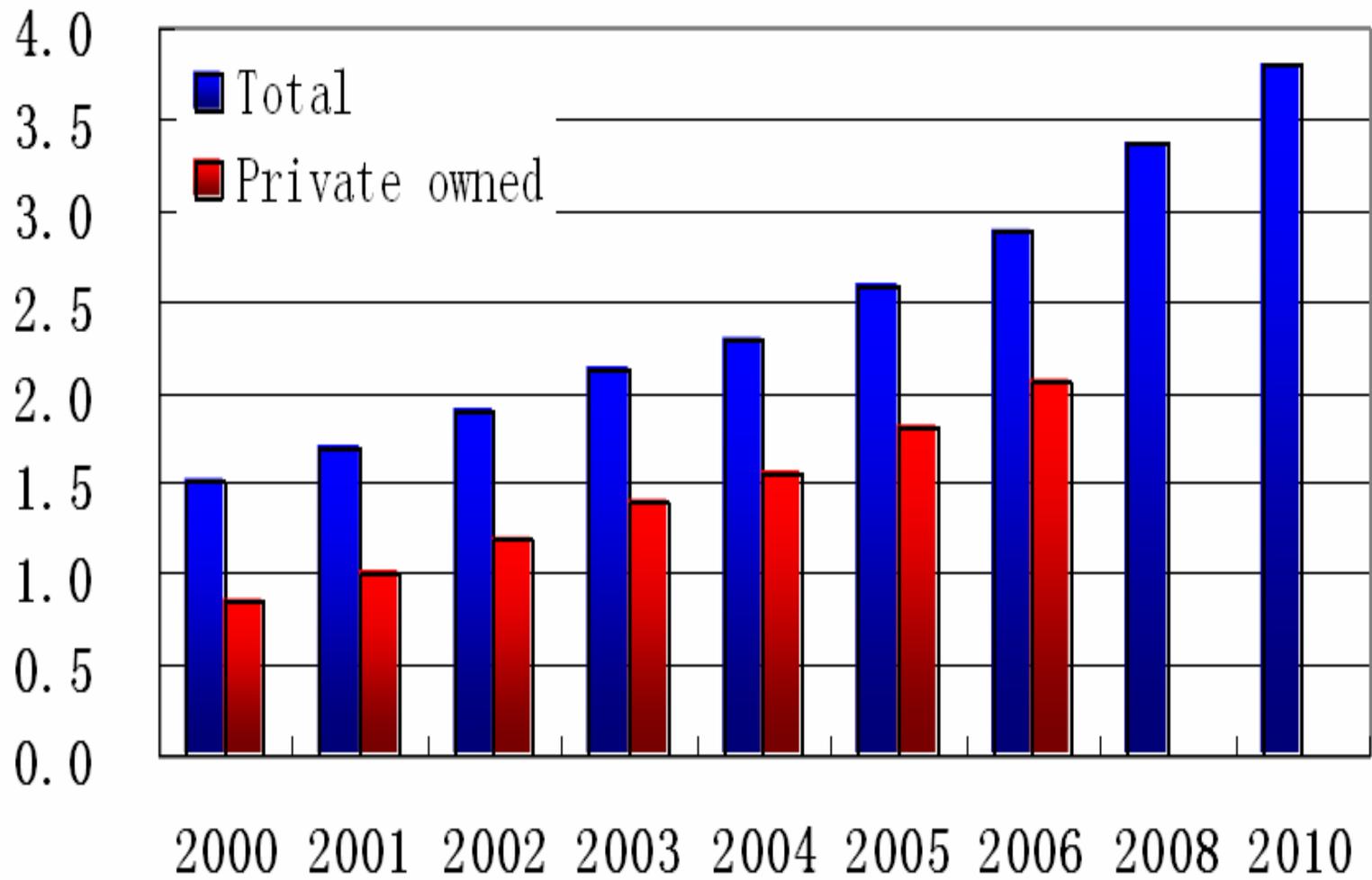


图例

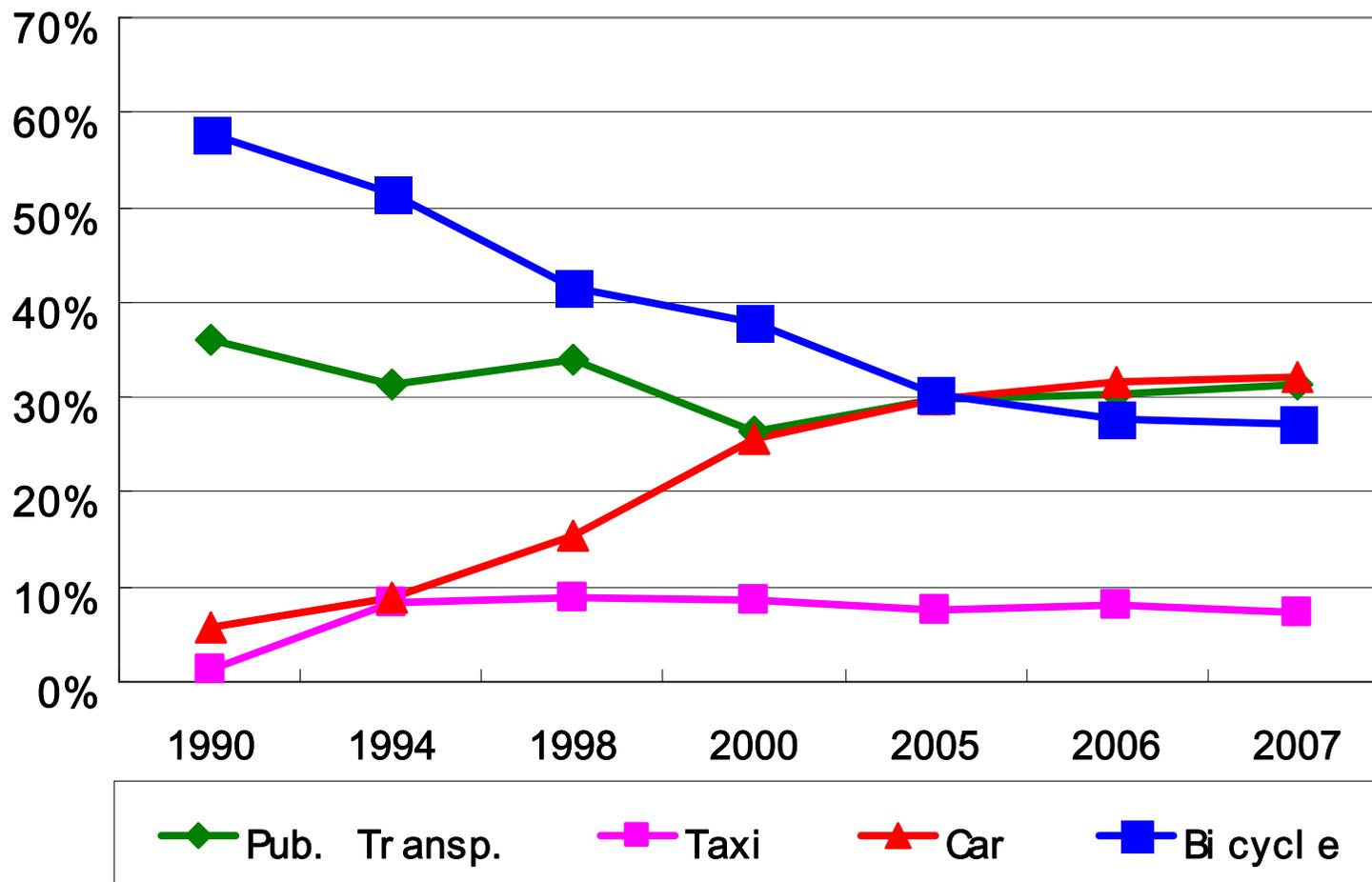
- 1.1万人次/平方公里
- 2.9万人次/平方公里
- 7.8万人次/平方公里
- 12.4万人次/平方公里
- 14.7万人次/平方公里



## Vehicles ownership

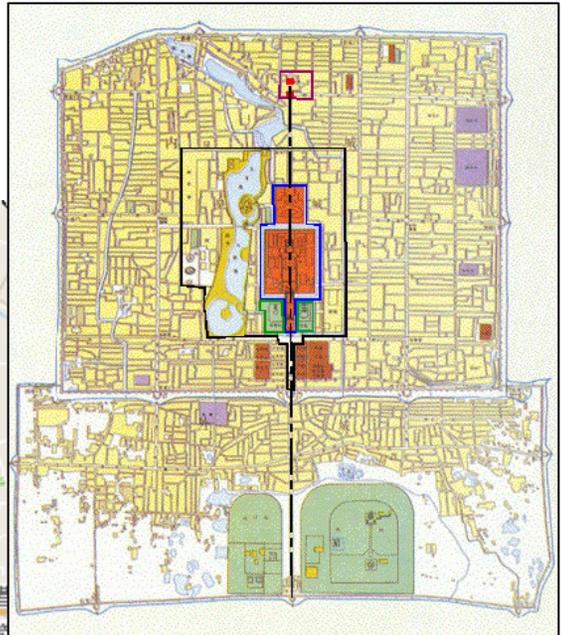


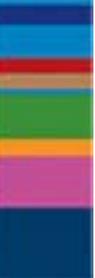
## Mode split of trips



早6:00-6:15五环内路网速度图







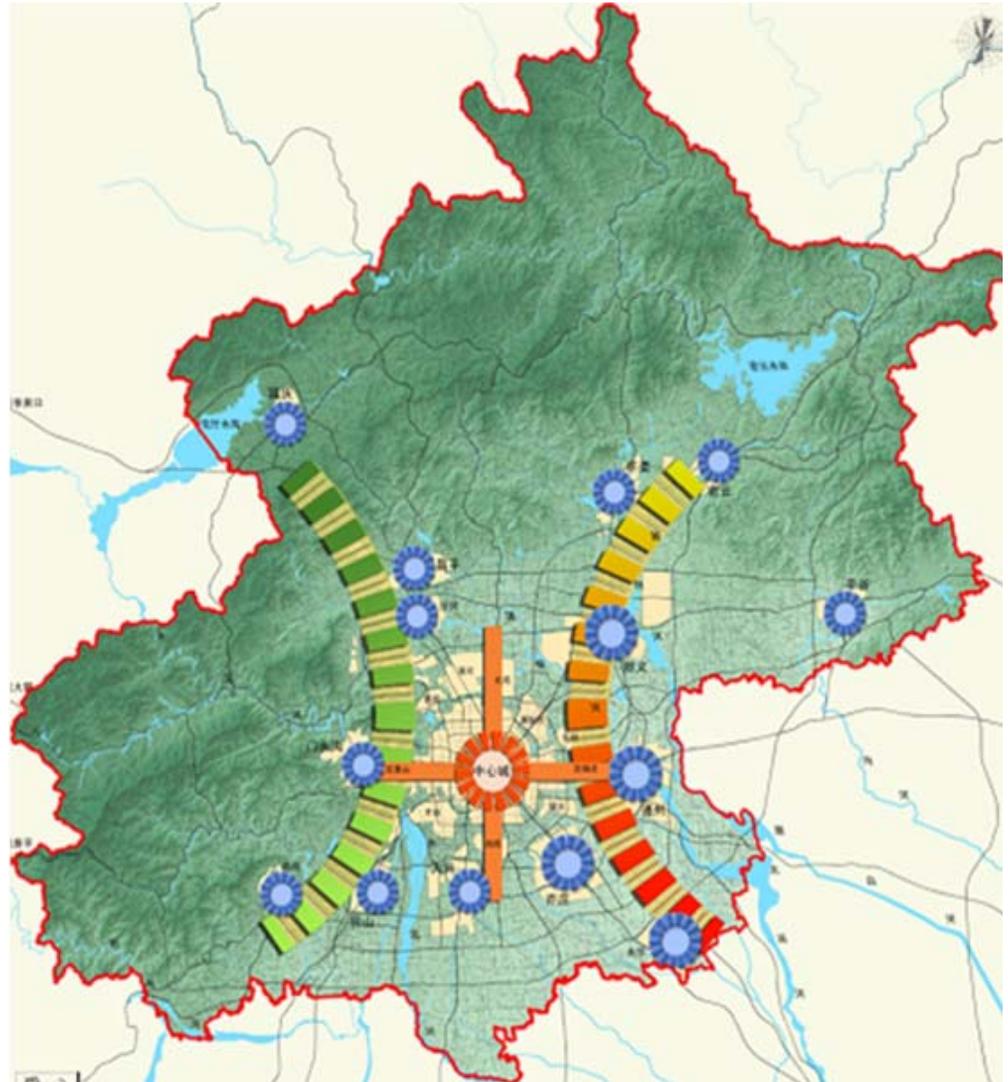
23e Congrès mondial de la Route - Paris 2007

## For future development

- **Beijing Urban Space Layout was released in 2003**
- **Beijing Master Plan was released in 2004**
- **In 2005-2006, regulatory plan, new town plan were released :**
  - **"two axes - two belts - multi- centers"**
  - **Alleviate the function of city proper and reduce its population and employment**

# Land-use and transportation

- City space and function
- New towns and industry
- Public transport Priority
- land use and transportation (TOD)



## Beijing transportation 'white book'

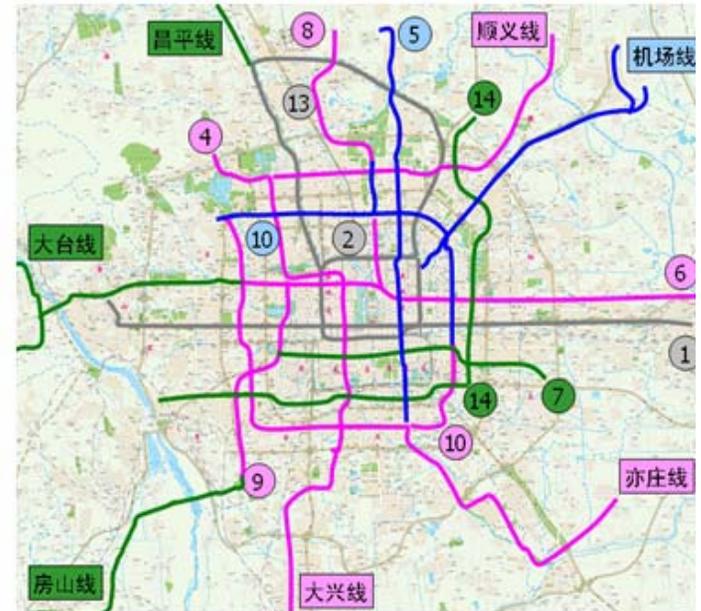
- Issued in 2005, which said “Public transport must be the principal mode in commuting trips in Beijing ”
- Beijing will spend almost half of its transp. infrastructure budget developing its public transportation
- By 2010, the utilization rate of public transp. will be raised to 40%

## Realization

- **Beijing can't not continue its road construction heavily according to the population, resource, environment as a historical and cultural city.**
- **The total area of road system will account no more than 20% of the city proper in the future.**
- **Beijing will get rid of the puzzle "add water or add flour in mixing dough "**
- **To build a harmonious society and suitable living city, Beijing should build a transportation system which give priority to public transport.**

# Priority to Public Transport

Railway  
BRT  
Bus





# Transport Demand Management

- Promotes Public transport, guide the usage of cars
- Strategy of Differently supplying and pricing of car parking lots in city proper
- Park & Ride services around city proper
- Encourage the services of unit coach
- Stagger the Start working time

## 2007 "Good Luck Beijing " Sport Events

- **Except for the vehicles which ensure the city normal operation, all the other vehicles should be restricted according to the vehicle registration mark**
- **70 % of Beijing municipal governmental vehicles will be sealed.**
- **The total number of restricted vehicles was 1260~1310 thousand: Odd 1260 thousand, Even 1310 thousand**

- 
- **the work time of government was adjusted: start at AM 8:00 and end at PM 16:00.**
  - **The commercial business hour, starting at AM 10:00, and delay closure time.**
  - **all dregs vehicle are forbidden to drive during August 17-20 except those serving Olympic projects.**
  - **Cooperating with peripheral provinces to let their pass-through vehicles use the 6th ring-road, primarily trucks.**

# Results

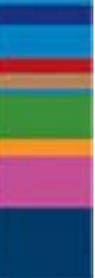




# Speed and safety

- Peak hour vehicle speed at 32.1 km/h
- No death, number of accidents decreased 66%。





**The end**  
**Thanks**