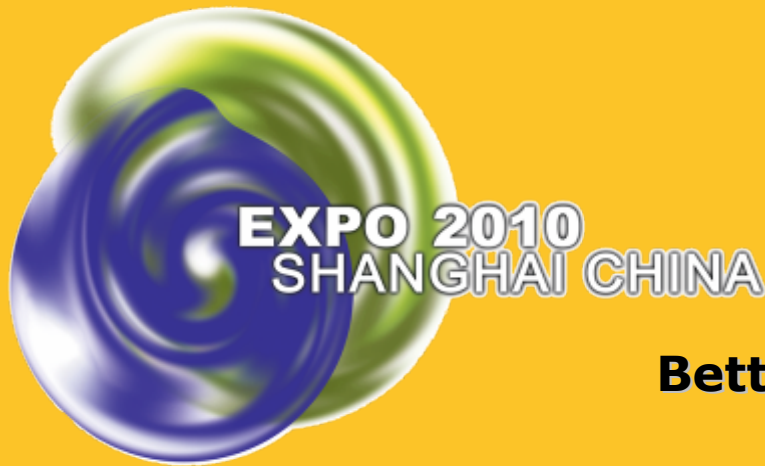


Architecture Research On Transport Information Services of EXPO 2010 Shanghai China



Better City, Better Life!
Better Transport, Better EXPO 2010!

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Planning Institute (SCCTPI)**

Brief Information on World EXPO 2010 Shanghai China



□ The area for EXPO 2010 Shanghai China is within the inner-city, which is located at Nanpu Bridge–Lupu Bridge region along both sides of the Huangpu River.

□ The planning area within the site boundary covers both Puxi and Pudong areas ,up to 6.68 sq km. The duration of World EXPO 2010 is 184 days.



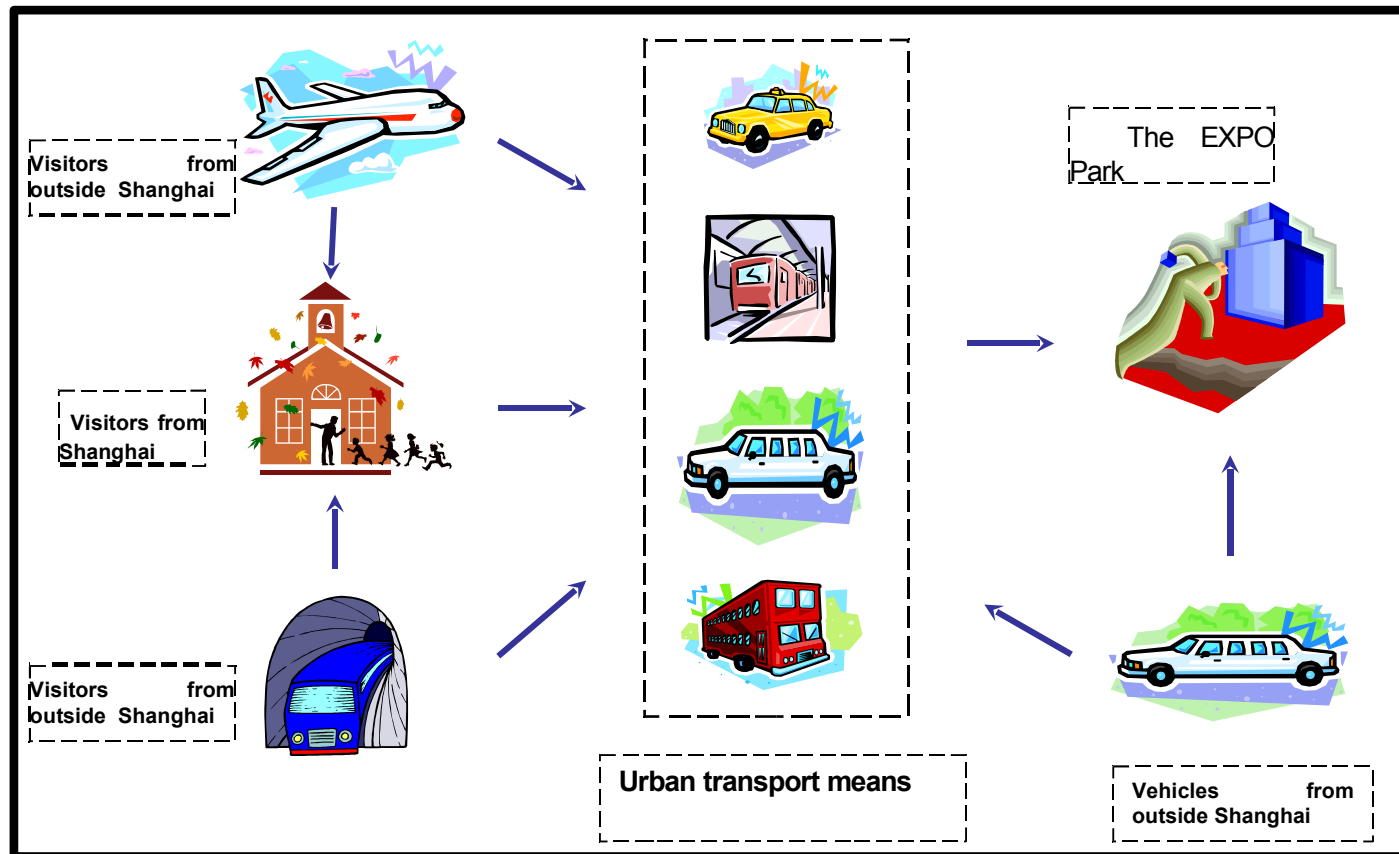
Summary

- 1. Demand characteristics of transport related to EXPO 2010 Shanghai China**
- 3. Overview of transport information service system of EXPO 2010 Shanghai China**
- 5. Brief information on EXPO 2010 transport information application service system**



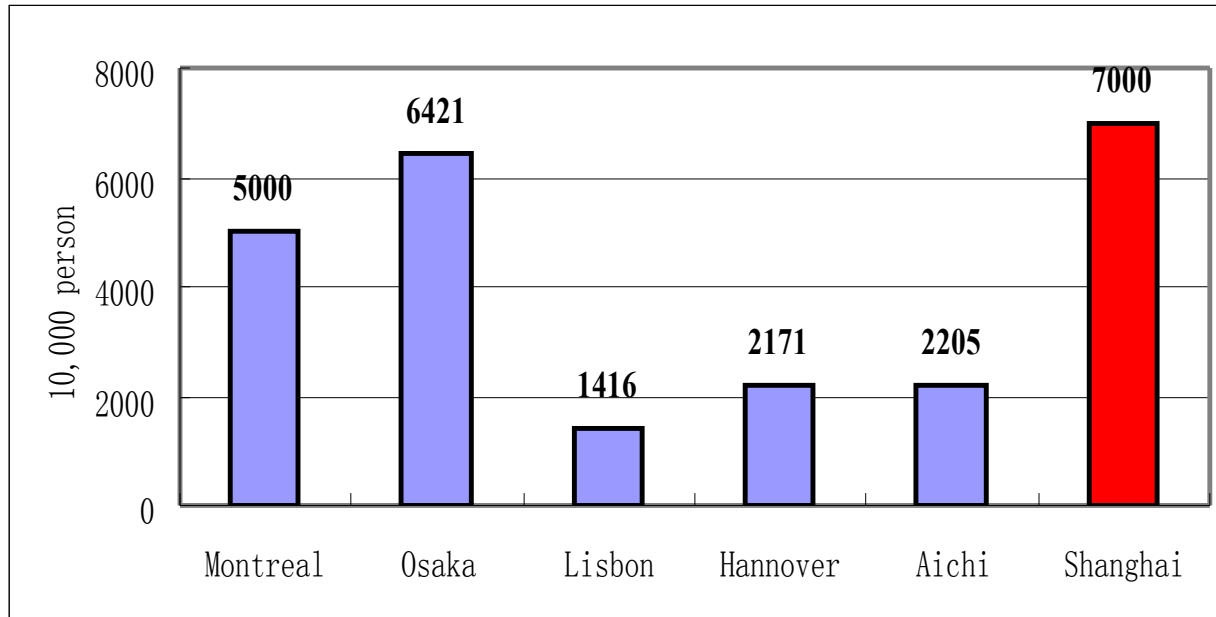
1. Demand characteristics of transport related to EXPO 2010 Shanghai China

- Scale of visits
- Impact on urban transport



(1) Scale of visits to EXPO 2010

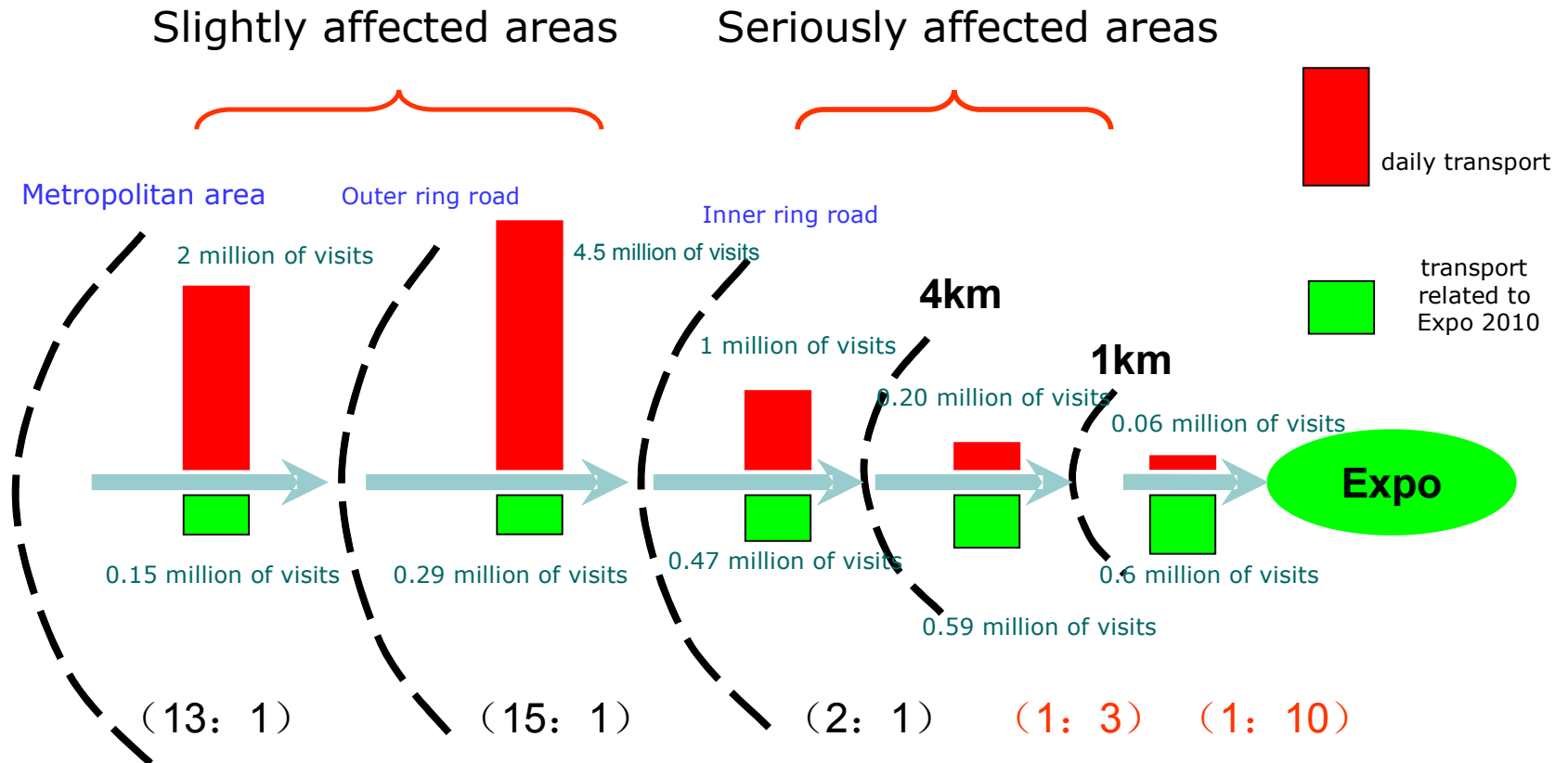
Comparison of EXPO historical data



It is estimated that a total of 70~80 million visits to EXPO 2010 will set a record.

400,000 visits per day on average, 600,000 visits on a peak day, and the maximum of 800,000 visits on an extremely peak day.

(2) EXPO impact on daily transport



□ To ensure the high level of mobility of transport in 2010, Shanghai will adopt 3 administrative approaches. **Construction of TIS system** is one of the 3 administrative approaches for EXPO 2010 Shanghai China.

2. Overview of transport information service system of EXPO 2010

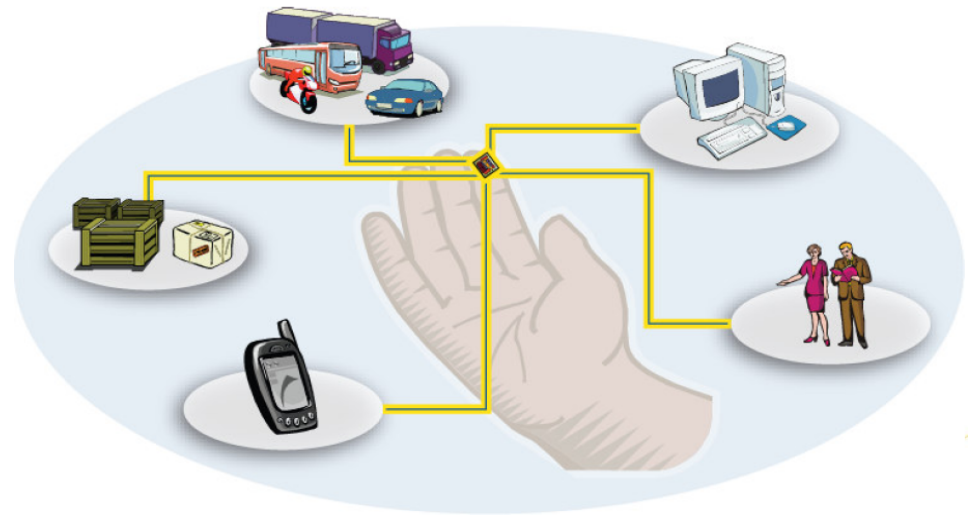
□ Characteristics and objectives

□ Framework of EXPO 2010 TIS system



(1) Main Characteristics and objectives

- ❑ On the basis of Shanghai Transport Comprehensive Information Platform (STCIP).
- ❑ Directly serving EXPO tourists and traffic organizers.
- ❑ System Integration and integrated application.

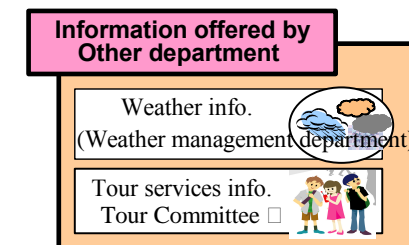
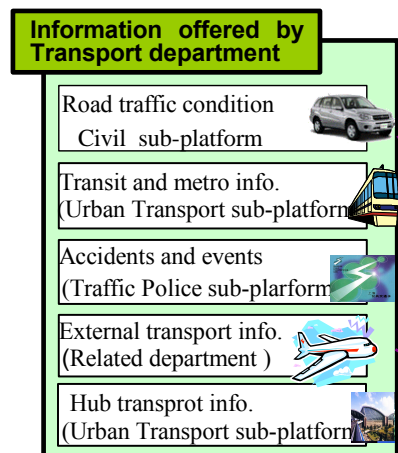
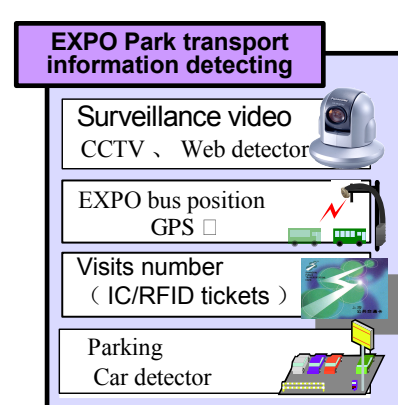


➡ To provide

- ❑ Accurate, comprehensive and abundant travel information.
- ❑ Balanced and smooth road traffic based on traffic guidance and linkage.
- ❑ Accurate, prompt, transparent and interactive public traffic information.
- ❑ Practical and effective parking guidance at right time and right place.
- ❑ Seamless integration of traffic hub information to facilitate traffic distribution.
- ❑ Accurate and intelligent passenger flow forecast to grant powerful support.

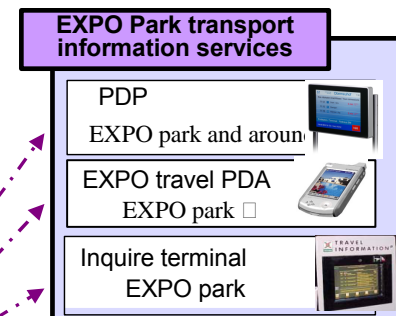
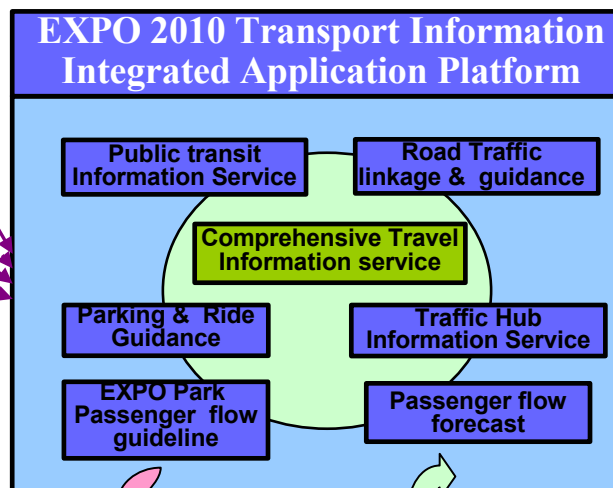
(2) Framework of EXPO 2010 TIS system

Transport information collection system



Integrated application platform

Transport information application service system



□ Transport information collection system

What`s to collect?

- ❖ Transport information in EXPO park
- ❖ EXPO parking information
- ❖ EXPO special bus lines operating information
- ❖ Real-time information on road traffic
- ❖ Bus ,metro and water-bus operating information
- ❖ Transport hubs information
- ❖ Information of rail, highway, aviation

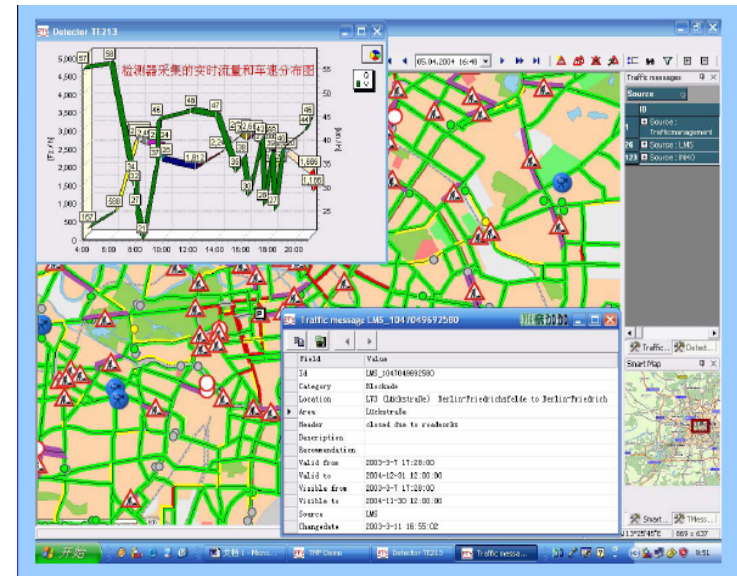
How to collect?

- ❖ From Shanghai Transport Comprehensive Information Platform
- ❖ From Transport Information Center of EXPO park
- ❖ From other transport systems



❑ Transport information integrated application platform

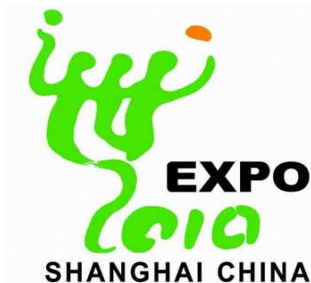
- ❖ Conserves and manages all gathered transport information related to EXPO 2010.
- ❖ Realizes the interconnection, data exchange and sharing among various application services
- ❖ Executes unified data exchange and connection with Shanghai Transport Comprehensive Information Platform and other IT systems.
- ❖ Different interfaces to transport managers offering information querying, statistic analyzing and form making.



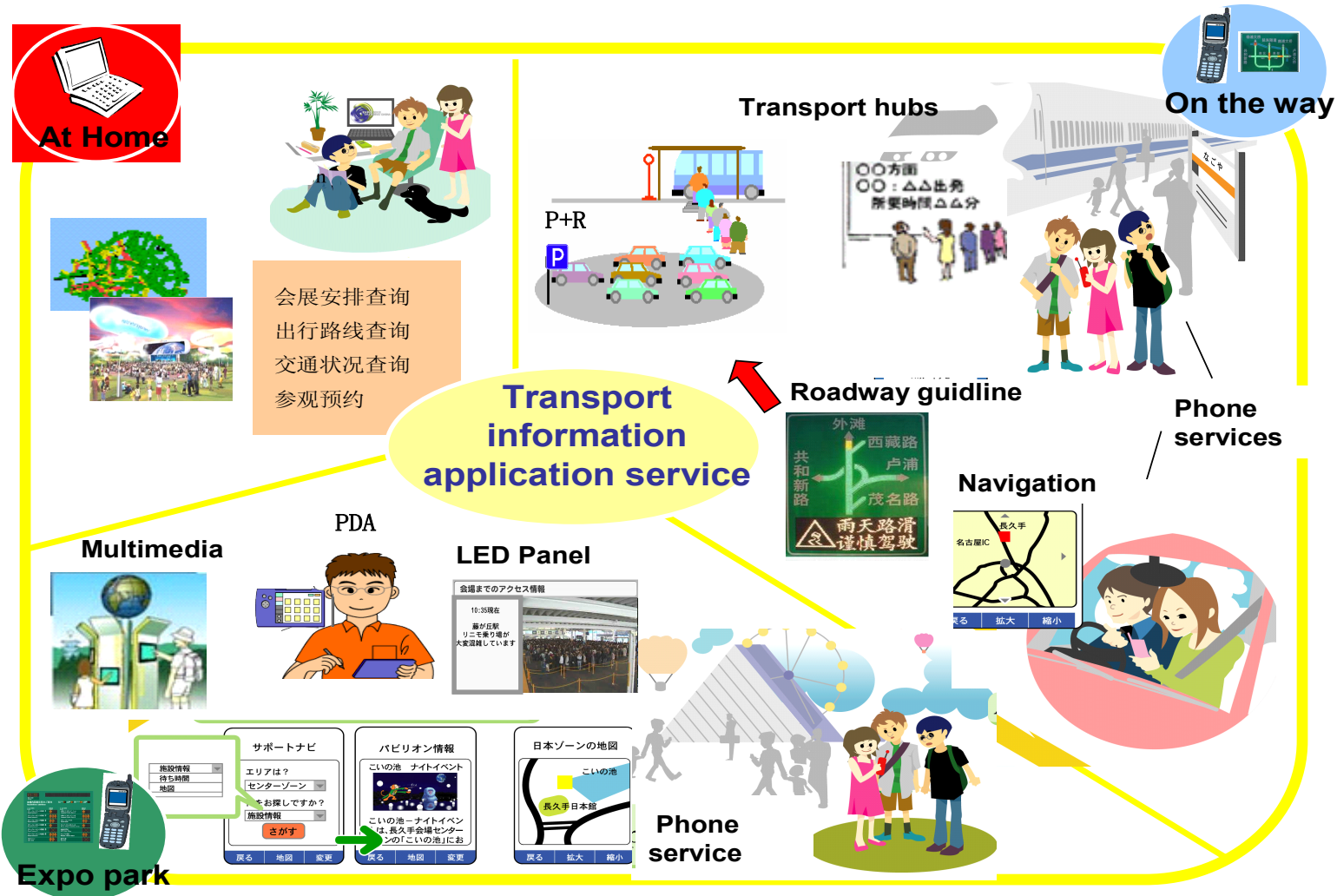
❑ Transport information application system

7 transport information application service:

- ❖ Comprehensive travel information service
- ❖ Road traffic linkage and guidance
- ❖ Public transit information service
- ❖ Parking and ride guidance service
- ❖ Traffic hub information service
- ❖ Passenger flow forecast
- ❖ EXPO Park passenger flow guideline



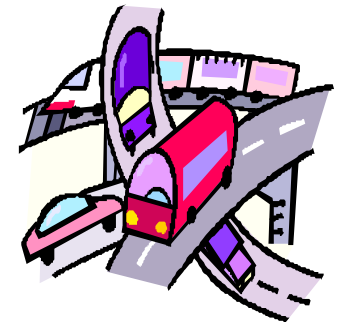
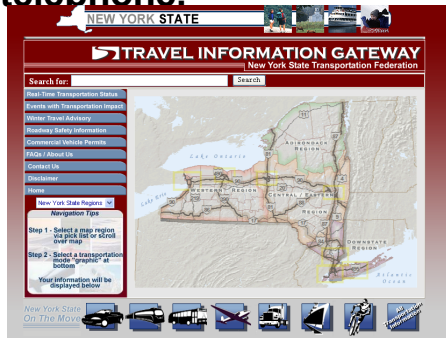
3. Brief information on transport information application service system



(1) Comprehensive travel information service system

Characteristics:

- ❑ Provides comprehensive transport information covering all transport means.
- ❑ Facilitates tourists to grasp overall knowledge on EXPO transport before departure, during the travel process and within the EXPO Park.
- ❑ Services offered generally in such a simple way that either one website or one telephone.



Service means:

- ❑ EXPO 2010 Transport Website (transport information column under EXPO 2010 Website)
- ❑ WAP service website,
- ❑ EXPO 2010 hotlines,
- ❑ Specialized channel of transport radio station, TV station and etc.



(2) Road traffic linkage and guidance system

- ❑ With the principle of EXPO priority.
- ❑ Implements universal guidance to road transport systems within the metropolis and even Yangtze Delta.
- ❑ Service means include road traffic guidance within controlled areas, road traffic linkage and guidance in EXPO related routeways, on-board navigation, mobile navigation and etc.



(3) Public transit information service system

Composed of:

- ❑ EXPO rail transport information service system.
- ❑ EXPO public transit specialized line information service system.
- ❑ Water-bus information service system.
- ❑ taxi information service system and etc.



(4) P + R guidance service system

Composed of:

- P+R guidance system.
- Parking space reservation system.



(5) Transport hub information service system

- Mainly refer to external transport hubs and large-scale urban public transit hubs.
- Provide EXPO passengers with interchange guidance, as well as real-time traffic information services.
- Means include LED panels, individualized and people-oriented inquiry via touch screen, information bulletin, station broadcasting and etc.
- Congestion video information on forward interchange stations is suggested.

(6) Passenger flow forecast system

- ❑ A transport demand management system that makes forecast and effective adjustment of EXPO transport demands.
- ❑ Guarantees the balance of EXPO passenger flows, prevent extreme passenger flow peaks, and minimize the disturbance on urban normal operation .

(7) EXPO park passenger guidance system

- ❑ On basis of EXPO park IT systems such as transport monitoring system, ticket system and public transit operation system.
- ❑ Transport information outside EXPO park is collected from SCTIP or other systems.
- ❑ Service means include large-scale screen, touch screen for inquiry, information service inquiry center, PDA, transport manual and etc..





Thank you!