



Shanghai Demo Site

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Shanghai Demo Site

1. Partners
2. Goals of the Shanghai Demo site
3. Work to be done
4. Current situation in shanghai
5. Planning activities



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Partners

- **ITS JU** SME'S (Sodit / Polestar / Sodit China) Association (Urba 2000)
- **CERTU** (Centre d'études sur les réseaux les transports, l'urbanisme et les constructions publiques)
- **RIOH** (Research institute of Highway – Chinese National ITS Center)
- **SCCTPC** (Shanghai City Comprehensive Transportation Planning Company)
- **TSSS** (Thales Software System Shanghai)

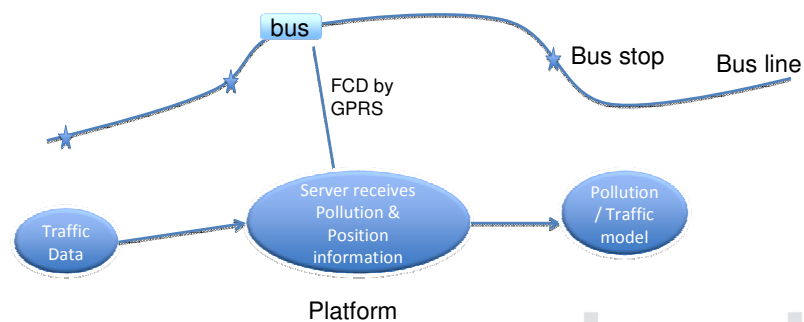


Shanghai Demo site Goals (1/3)

- Improve Travel time computation
- Measurement of the pollution for one line going from suburb to center town
- Use FCD resources and public transport data
- Mathematical model to link pollution and traffic information



Shanghai Demo site Goals (2/3)



Shanghai Demo site Goals (3/3)

- Pollution sensors with GPRS communication
- Traffic information provide by bus company
- Server collecting and merging data
- Treatment module to provide relational model between pollution and traffic
- Module to improve travel information

Technical developments

- Mathematical research to define and create relational algorithm between pollution and traffic
- Mathematical model improve for city traffic information
- Data collect open platform



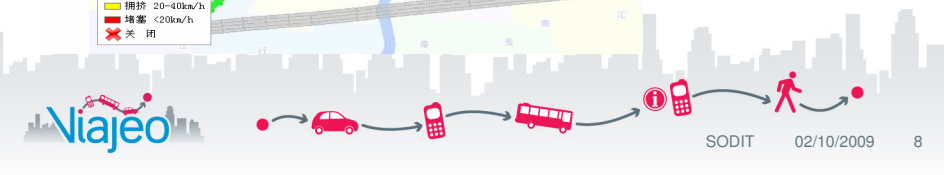
Current situation in Shanghai

Shanghai center real time traffic information on line



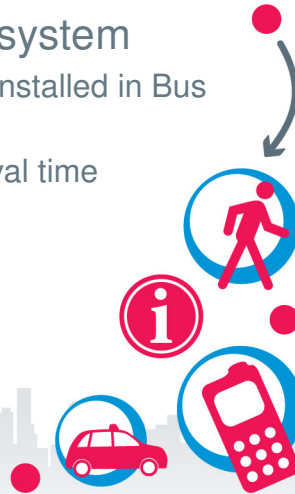
Traffic data collection in center area is formed: 2 ring road, west-east north-south expressway

Real time traffic data distribution: website, VMC, phone mobile



Current situation in Shanghai

- Public transport information system
 - DMS (Dynamic message system) installed in Bus station
 - Forecast remaining distance \neq arrival time



Task 6.4.1 Technical coordination

- Objectives:
 - coordinate all work for the Shanghai site and will liaise with the Project Coordinator
- Responsibilities of each partner
 - ITS JU
 - site leader; coordinator
 - Sodit: Technical coordination of project



Task 6.4.2 Investigation

- Objectives:
 - Focus on investigating the situation at the demo site and analyzing the collected data.
- Responsibilities of each partner
 - **ITS JU** technical coordinator
 - Sodit: assistance in investigation, report validation
 - **SCCTPC**
Main contributor. current situation of site, user needs, standard Chinese,
 - **TSSS**
Gap analysis of technologies, needs of traffic information market in china
- Deliverable: D6.4.1 Shanghai Investigation (M05)



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Task 6.4.3 Open platform

- Objectives:
 - design an integrated open platform for traffic information collection, management and dissemination. .
- Responsibilities of each partner
 - **ITS JU** technical coordinator
 - Sodit: assistance in platform design, report validation
 - **CERTU**
Main contributor. Platform architecture, assistance in platform specification report edition
 - **SCCTPC**
Participation in platform design; functionalities definition
- Deliverable: D6.4.2 Shanghai Demonstration description (M17)



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Task 6.4.4 Design and Implementation

- Objectives:
 - Definition of functionalities, demonstration planning, development in the guidance of WP, Gamma test
- Responsibilities of each partner
 - **ITS JU** technical coordinator
 - Sodit: traffic environmental data fusion model, integration, bus arrival time forecasting model
 - Polestar: GPS positioning management
 - Sodit China: on-site integration
 - **CERTU**
Assistance in specification validation,
 - **TSSS**
Participation in platform design; functionalities definition
 - **SCCTPC**
Traffic data and public transport collection, integration in digital map, process environment analysis,
- Deliverable: D6.4.3 Shanghai Design and Implementation (M28)



Task 6.4.5 Validation and Impact Assessment

- Objectives:
 - Technical validation and impact assessment
- Responsibilities of each partner
 - **ITS JU** technical coordinator
 - Sodit: assistance in definition of validation process, report validation
 - Polestar: assistance in technical validation
 - Sodit China: on-site technical validation
 - **CERTU**
Validation process, technical evaluation, report edition
 - **SCCTPC**
Technical evaluation, environmental impact assessment,
 - **RIOH**
Contribution in technical evaluation, impact assessment,
- Deliverable: D6.4.4 Shanghai Data Collection for Validation (M34)



Task 6.4.6 Dissemination

- Objectives:
Contribute to activities of WP8
- All the partners will contribute to this task.
To catch any opportunities to make known the progress of shanghai demo site, exchange experience among 4 sites and other projects

Next Workshop: **Forum THNS 2009** held 10-13/11/2009 in shanghai



Task 7.4.1 Full scale integration and demonstration operation

- Objectives:
 - Implementation of all the HW and SW to start demonstration operation
- Responsibilities of each partner
 - **ITS JU** technical coordinator
 - Sodit: : configuration system, data collection
 - Polestar: assistance in configuration
 - Sodit China: SW installation
 - **TSSS**
Equipment installation, configuration SW
 - **SCCTPC**
Local partner coordination, urban traffic environmental impact model,
 - **RIOH**
Participation in demonstration



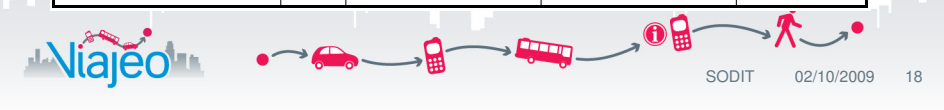
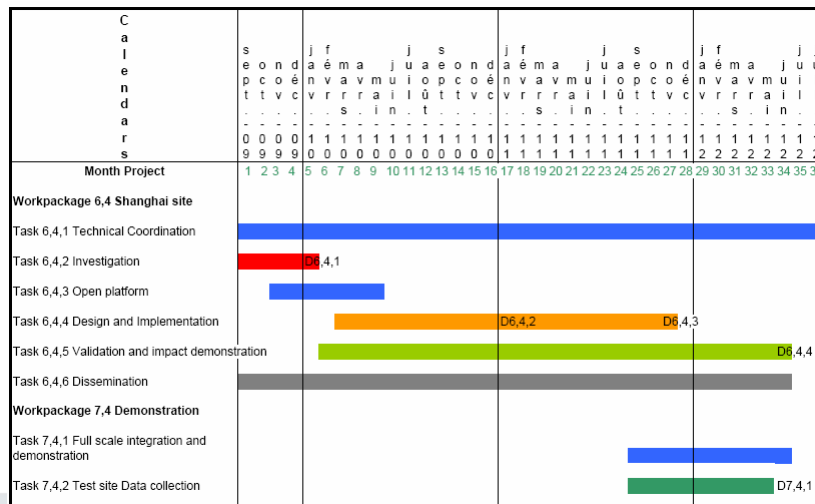
Task 7.4.2 Service information gathering and test site data collection

- Objectives:
 - To collect data related to the applications that will be implemented in the site.
 - To document the data collection
- Responsibilities of each partner
 - ITS JU technical coordinator
 - TSSS
 - SCCTPC
 - RIOH

Contribution in the data collection and report
- Deliverable: D7.4.1 Shanghai Demonstration Results (M34)



Shanghai Site Planning



Thank you!

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