



# Viajeo - Evaluation

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DLR

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[www.viajeo.eu](http://www.viajeo.eu)

# WP5 - Involved Partners

## WP5 Leader:

- German Aerospace Center (**DLR**)  
Contact: Philipp Böhnke

## Contributor:

- Center for Research and Technology Hellas (**CERTH**)
- **Key Research ApS**
- **Meta System S.p.A**

## Demo Site Leader:

- **Infotrip** (Athens)
- **Mizar Automatizone SPA** (Sao Paulo)
- **THETIS** (Beijing)
- **ITS-JU** (Shanghai)



# Basis and definition

- Investigation Reports (WP2 and sites) and Description of Work (DoW)
  - Definition of modules, interfaces and services
- Open platform requirements
  - No universal valid definition
  - Definition within Viajeo
    - Well defined set of core processes accessible via published open external interfaces by external parties
    - Standardized, openly described interfaces for data exchange
    - “Open Platform” does not mean it is “Open Source”
    - Related to Open Standards, an open platform means the platform is publicly available and has various rights to use associated with it
- MAESTRO Guidelines
  - Transport Evaluation Guidelines for the 21st Century  
(Funded by the European Commission)



# Approach of the Validation Plan

## Three parted validation plan

### (1) Validation (technical)

- Testing phase I (laboratory test)
- Testing phase II (field test)

### (2) Impact assessment

### (3) Perspectives for European ITS technologies in China and Brazil



# Validation (technical)

- Testing phase I (laboratory test)
  - (1) Module test, (2) Integration test, (3) System test → Developed and done by software developer
  - (4) Acceptance test → Developed by WP5 and done by software developers and sites
  - Focuses: Performance, Reliability, Handling, Functionality, Documentation quality
- Testing phase II (field test)
  - Validation of the “open platform” requirements → Integration of an additional data source
  - Validation of the new developed/expanded modules → Via indicators according to MAESTRO Guidelines
  - Validation of selected and implemented European standards (adaptability and practicability) → Difficulties / problems / remarks



# Impact assessment

- Evaluation of expected impacts of the implemented and running system to
  - User (professionals, non-professionals)
  - Stakeholder (in the demo sites)
  - Decision makers (in the demo sites)
- Target groups
  - End User / transport and traffic planners / transport operators
- Based on 8 defined use cases
- Indicators according to MAESTRO Guidelines  
(This includes a definition of: Evaluation Sub-Category/ Impact/ Indicator/ Description/ Unit/ Type and Method of data acquisition/ Target Group)



# Perspectives for European ITS technologies in China and Brazil

## Aim

- To ensure long lasting effects on the cooperation between European companies dealing ITS technologies and users in China and Brazil

## Approach and Methodology

- Existing models normally used by European firms will be discussed

Focus: strategic reflection and practical behavior

- Survey of concrete business models of partners who are already on the market

Focus: cultural and legislative differences / How to expand operations



# Thank you!

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