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**SS 39 International Cooperation
in Mobility Management to Address Global Sustainability**
ITS World Congress, Orlando, 18 October 2011

International Cooperation Strategy in European Transport Research



Patrick MERCIER-HANDISYDE
European Commission
DG Research & Innovation
Transport Directorate



COOPERATION



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OVERVIEW

- WHO are WE ?
- HOW are we IMPLEMENTING EU RESEARCH ?
- WHICH are the RTD CHALLENGES for TRANSPORT ?
- WHAT about RTD TRANSPORT INTERNATIONAL COOPERATION strategy ?
- WHAT are the DELIVERABLES for TODAY ?



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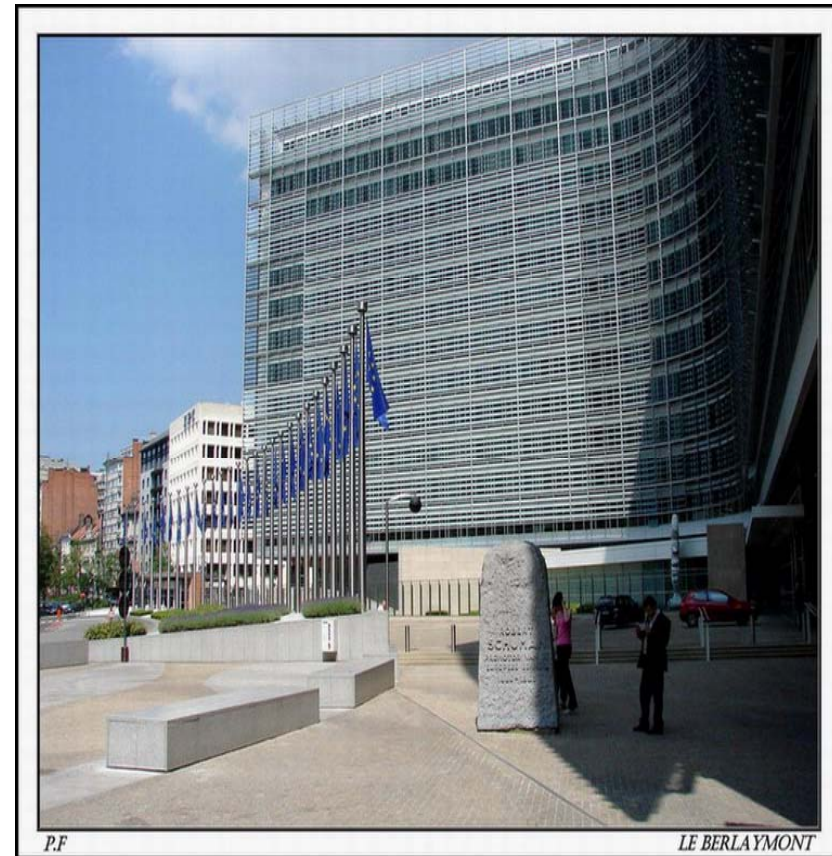
EUROPEAN COMMISSION Brussels

- WHO are WE ?

European Commission

DG Research & Innovation
(DG RTD)

Transport
Directorate



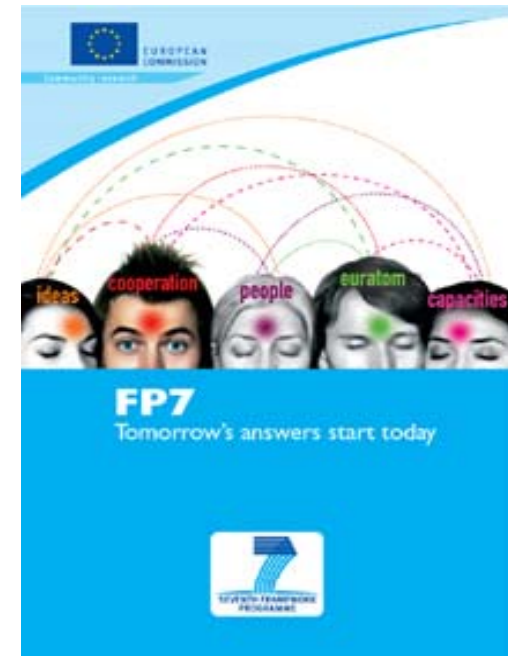


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DG RTD implements EU RTD POLICY

- **EC instrument to fund research: The Seventh Framework Programme (FP7)**
- **Runs from 2007-2013**
- **Global budget: €50.5 billion**
- **Budget for Transport: €4.16 billion**
- **Cooperation with third countries**





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RTD Global OBJECTIVES and CHALLENGES for Transport



Contribute to an integrated European Transport System

- Develop greener, smarter and safer (Surface) Transport Systems
- Secure the leading role of EU transport industry in the global market

RTD Challenges for Transport

- Greening of surface transport
- Encouraging co-modality and decongesting transport corridors
- Ensuring sustainable urban mobility
- Improving safety and security
- Strengthening competitiveness



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EMERGING ECONOMY CHALLENGES



- Rapid urbanisation
- Underdeveloped infrastructure
- Pollution
- Climate change



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EU STRATEGIC GOALS For International Cooperation in TRANSPORT RESEARCH

1. Addressing **global challenges**
2. **Supporting development** in developing countries
3. **Industrial competitiveness** (and Developing international standards)



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CONTEXT

EU RTD / International Cooperation in TRANSPORT

- Under FP7, third countries can participate in our research projects
- Opportunities for partnership with EU organisations
- Search for reciprocity to enhance global research networks





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HOW TO COOPERATE ?

- **For researchers:** Participation in trans-national projects and networking of researchers
- **For national governments:** Scientific and Technological Agreements ; Joint and/or synchronised calls with the EU



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COOPERATION With BRICS: Role of SIMBA

SIMBA (and SIMBA II): Coordination Action aiming at strengthening road transport research cooperation between Europe and emerging international markets

- **Geographical coverage:** SIMBA aims at increasing cooperation between the EU and **South Africa, India, Brazil, China and Russia.**

- **Areas:** Urban Transport, **Intelligent Transport Systems**, Road Infrastructures, Automotive Technical Developments.

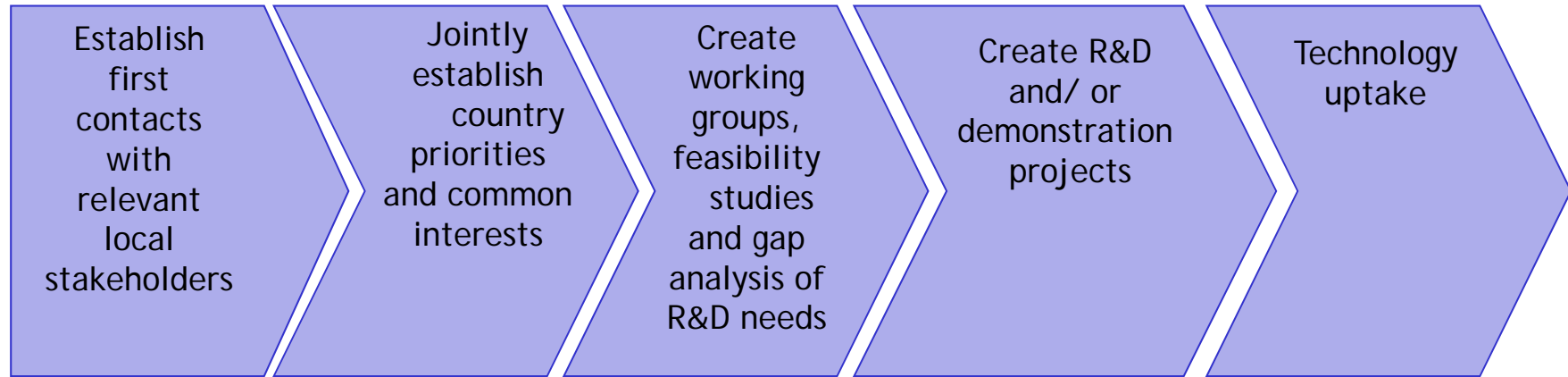




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RESEARCH ROADMAP



EU, Brazil, China





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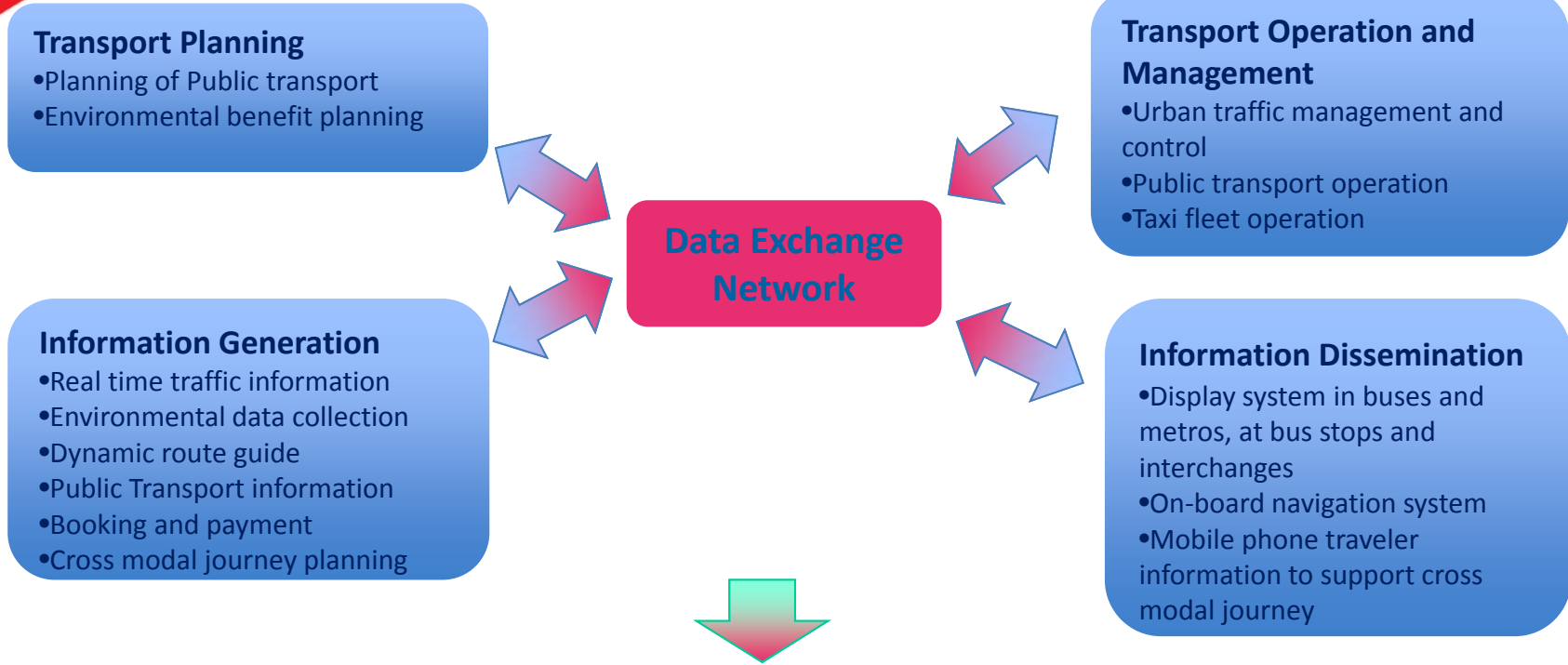
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- **International Demonstrations of the Platform for Transport Planning and Travel Information**
 - Project Coordinator: ERTICO – ITS Europe
 - Duration: 36 months, from September 2009 until August 2012
 - Total budget: €5.9 million, EC contribution: €3.6 million
 - Co-funded by EC DG Research for Specific International Cooperation Actions (SICA) under the 7th Framework Programme (FP7).
- **Demo sites:** Athens, São Paulo, Beijing and Shanghai



The Solution: Open platform



Transport Planning

- Planning of Public transport
- Environmental benefit planning

Transport Operation and Management

- Urban traffic management and control
- Public transport operation
- Taxi fleet operation

Information Generation

- Real time traffic information
- Environmental data collection
- Dynamic route guide
- Public Transport information
- Booking and payment
- Cross modal journey planning

Information Dissemination

- Display system in buses and metros, at bus stops and interchanges
- On-board navigation system
- Mobile phone traveler information to support cross modal journey

Demo Cities



Athens



São Paulo



Beijing



Shanghai



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Other VIAJEO Outputs and Contacts

- Toolkit for operators, service and information providers to interface their data bases and operating systems with other entities for integrated traffic and transport information bases services.
- Standardised interfaces for data integration, aggregation and exchange.
- Comprehensive database that integrates real time and forecast traffic data.
- **For more information**, contact the Coordinator Yanying Li: y.li@mail.ertico.com
- **VIAJEO Web Site**: www.viajeo.eu





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- **Smart Transport Applications Designed for large events with Impacts on Urban Mobility**
 - Project Coordinator: ISIS (Italy)
 - Duration: 48 months from May 2009 to April 2013
 - Total budget: €5.75 million, EC contribution: €3.6 million
 - Co-funded by EC DG Research for Specific International Cooperation Actions (SICA) under the 7th Framework Programme (FP7).
- **EC strategic goals:**
 - Enhance the International Cooperation
 - Promote the European ITS Know how



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ITS Demonstration at Large Events

SOUTH AFRICA FIFA WORLD CUP 2010: Last Mile service in Cape town



INDIA 2010 Commonwealth

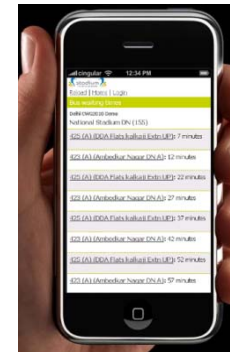
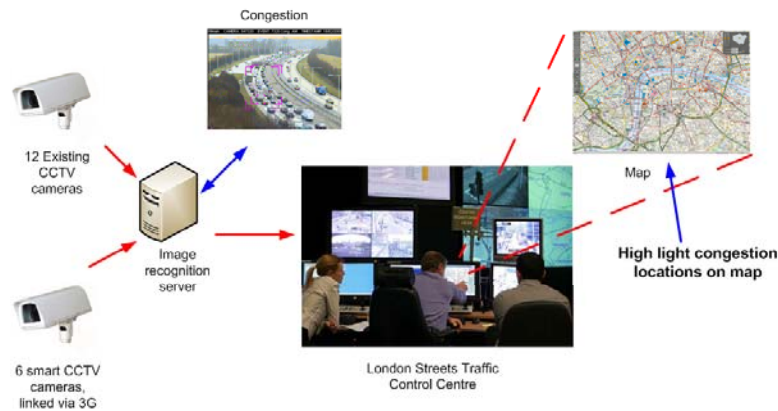
Games: PT ITS demonstration



www.newdelhimobile.in



LONDON OLYMPICS 2012: Advanced image recognition





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Other STADIUM Outputs and Contacts

- **STADIUM User Group**

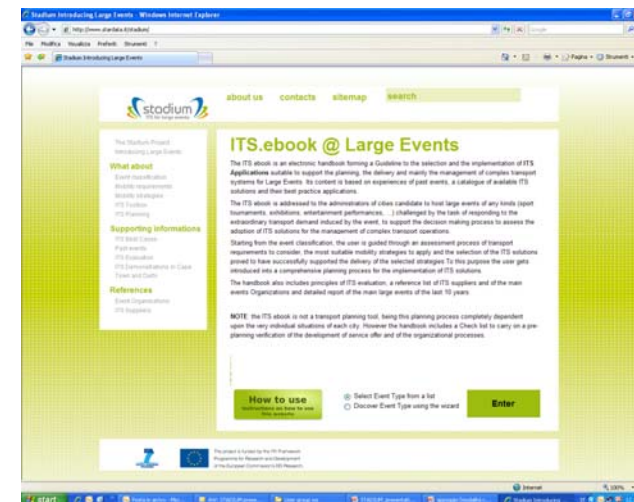
Group of cities which plan to organize large events. Participating cities include Milan, Warsaw, Kharkov, Madrid, Cracow, Curitiba, Rio de Janeiro , Sao Paolo, ..

To join the STADIUM User Group, contact Dagmar Roeller: droeller@polisnetwork.eu

- **Tool to support cities (E-HANDBOOK)**

- **For more information**, contact the Coordinator: Maurizio Tomassini: mtomassini@isis-it.com

- **STADIUM Web Site:** www.stadium-project.eu





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Transport Research Arena CONFERENCE: TRA 2012



Transport Research Arena • Europe 2012

23-26 April, 2012 Athens - Greece

Sustainable Mobility through Innovation.



- **Scope:** The European Transport Research Conference on all surface transport modes (road, rail, waterborne) and cross-modal aspects (inc. intermodal freight transport, urban transport and ITS).





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- **Organisers:**

European Commission: DG RTD, INFSO and MOVE
CEDR

European Technology Platforms: ERTRAC, ERRAC, WATERBORNE TP

- **Sessions:** Plenary, Strategic, Technical, Poster and Special Sessions

- **Exhibition:** EC stand with key FP6/FP7 projects

- **YEAR:** Young European researchers competition

- For more information: <http://www.traconference.eu>





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Thank you for your attention

http://ec.europa.eu/research/transport/index_en.cfm



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