

MITO (Mobility, Information Technology, Organization): a paradigm for cities

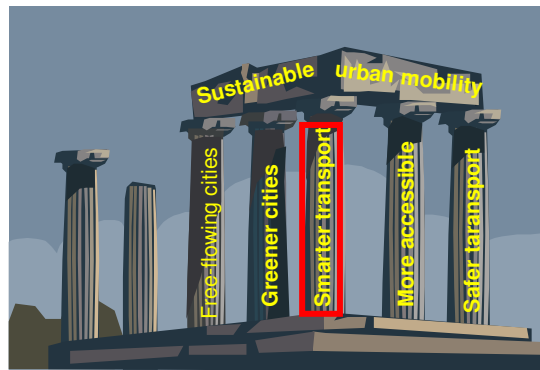
Maurizio Tomassini – ISIS (Italy)

16th ITS World Congress - Stockholm 2009
Session SIS38
Traffic management for cities around the world



CIVITAS, Green Paper.... MITO

- M**anagement
- I**nformation
Technology
- O**rganization



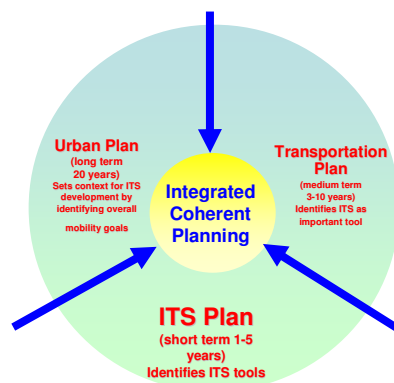
Benefits, policy framework, cities

- Many projects, besides CIVITAS, have demonstrate ITS benefits:
 - Travel times -17%
 - PT commercial speed +18%
 - Pollution emissions -10%
 - Fuel consumption -10%
 -
- EU set up the policy framework:
 - ITS Action Plan
 - ITS Directive
- Cities are in the condition to fully integrate ITS in their sustainable mobility policies



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ITS in cities integrated planning



HOW TO PLAN ITS?

**Contributions come from
CONDUITS Project**



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CONDUITS:

Coordination Of Network Descriptors for Urban Intelligent Transportation Systems

Coordination and Support Action financed by DG RTD with 950.000 €

Start date: 1 may 2009

Duration: 24 mo

Partners	Short Name	Country
Institute of Studies for the Integration of Systems (Coordinator)	ISIS	Italy
Imperial College London (ICL)	ICL	U.K.
TU Munich (TUM)	TUM	Germany
Municipality of Barcelona (BCN)	BCN	Spain
Technion Israel Institute of Technology (Technion)	Technion	Israel
ATAC, Rome Mobility Agency (ATAC)	ATAC	Italy
City of Paris - Department of roads and transportation (Paris)	Paris	France
Istanbul Metropolitan Municipality - Department of Transportation	Istanbul	Turkey
Administration de l'Equipement et des Déplacements (AED) – Bruxelles Capital	AED	Belgium
Promotion of Operational Links with Integrated Services (Polis)	Polis	Belgium



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CONDUITS Objectives

- to investigate concepts that quantify the benefits of ITS regarding specific topics (**traffic efficiency, traffic safety, pollution reduction, and social integration and land use**).
- to combine the derived concepts into a common set of **key performance indicators (KPIs)**, which are operational, measurable, predictable and understandable.
- to **test the developed KPIs** set onto selected test sites (Barcelona, Paris, Rome as partner cities) as regards its usefulness and practicality.
- to develop business cases for further ITS implementations.



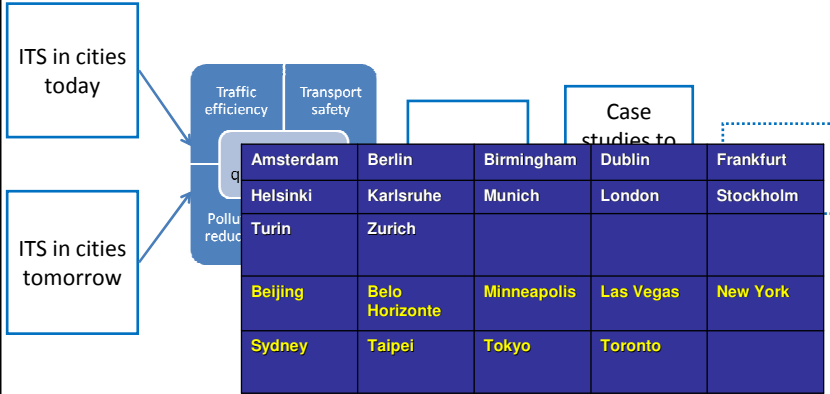
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CONDUITS at glance

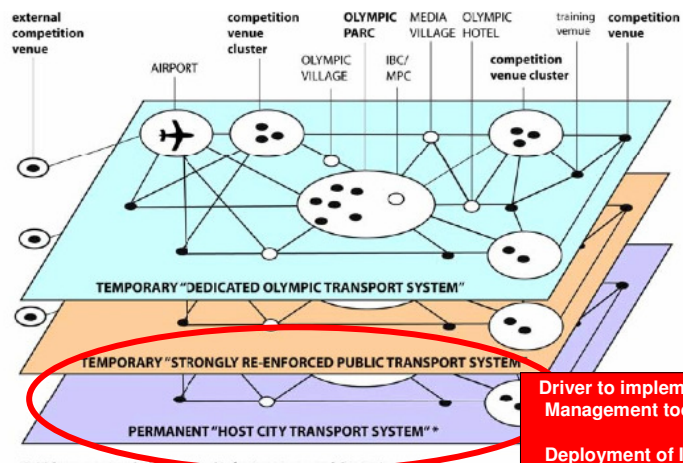
CONDUITS events

Technical workshop with city and industry representatives

Final conference



Transportation systems for large events



* With new, extended, renovated infrastructure and operation systems
With connections to national + international transport systems

STADIUM

- **(Smart Transport Applications Designed for large events with Impacts on Urban Mobility)** aims at improving the performance of transport services and systems made available for large events hosted by big cities.
- Cofinanced by DG RTD with 3,6 M€
- Started: 1 May 2009, lasting 48 mo

STADIUM Participants

Partner name	Partner short name	Country
Institute of Studies for the Integration of Systems	ISIS	Italy
Impacts Europe	Impacts	France/International
Ertico	Ertico	Belgium/International
Transport for London	TfL	United Kingdom
Atac SpA – Rome Mobility Agency	Atac	Italy
NEA Transport research and training	NEA	The Netherlands
THETIS S.p.A.	Thetis	Italy
Mizar Automazione SpA	Mizar	Italy
Pluservice	Pluservice	Italy
Promotion of Operational Links with Integrated Services	Polis	Belgium/Europe
Technische Universitaet Berlin	TUB	Germany
MultiMedia InnoVation	MMIV	South Africa
SAHA International (South Africa) (Pty) Ltd	SAHA	South Africa
Society of Indian Automobile Manufacturers	SIAM	India
Indvelop	Indvelop	India
Ashok Leyland Limited, Telematics Business Unit	Ashok Leyland	India
Council for Scientific and Industrial Research	CSIR	South Africa

STADIUM demonstrators

- The project demonstrates ITS applications at three major events:
 - the South Africa World Cup (2010) in Capetown,
 - the India Commonwealth Games (2010) in Dehli,
 - and the London Olympics (2012).
- Design, deployment, demonstrations and evaluation involve SA and Indian partners.

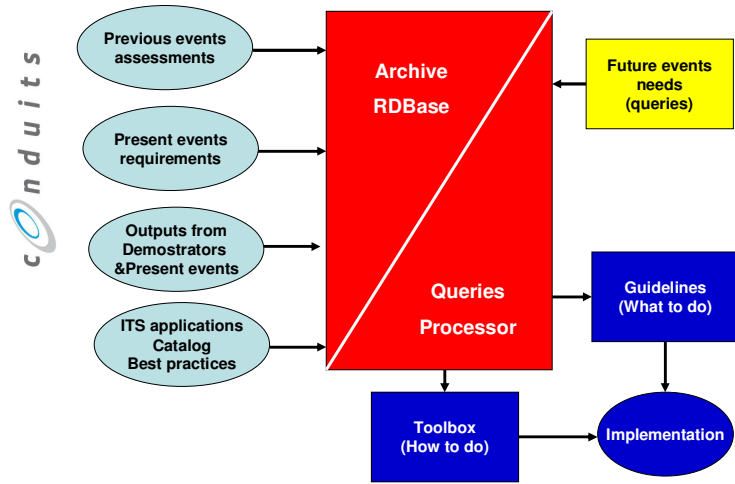


STADIUM Handbook

- The Handbook is a Decision Support System (DSS) at different stages of the decision, planning, implementation process, covering domains such as:
 - Dynamic traffic management systems & real-time traffic information for metropolitan areas
 - Public transport: tracking and tracing, fleet management/ demand-responsive transport/ etc
 - Tools to optimize operational transport plans according to historic and real-time demand data



STADIUM Handbook (cont.)



..if the MITO will turn into reality..



Courtesy of Vito Mauro

Thank you for your attention!!

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www.conduits.eu

www.its-for-large-events.eu

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