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MEETING

# PUBLIC-PRIVATE JOINT EFFORTS TOWARDS RIO+20

ROME, 27 OCTOBER 2011

## Sustainable Mobility and ITS (Intelligent Transport System)

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CEO Infebu

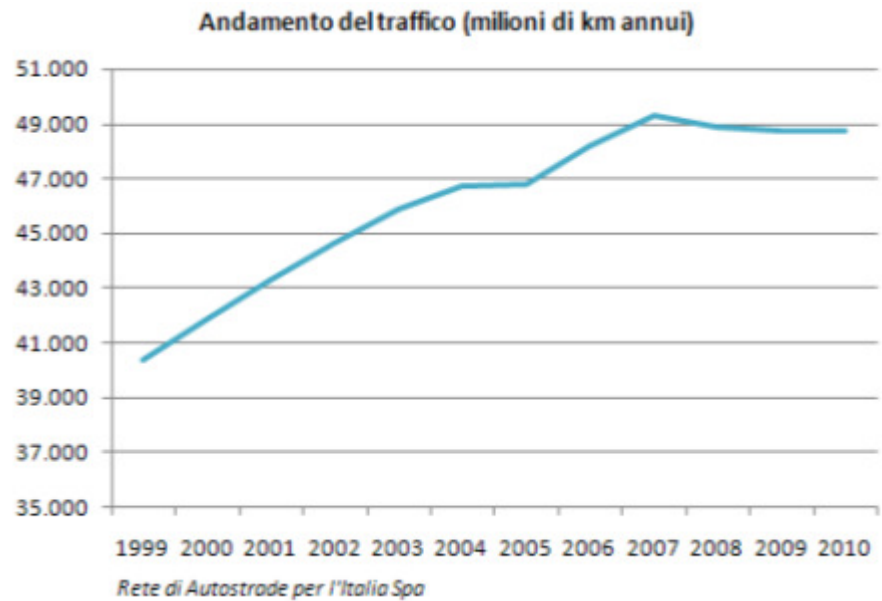


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# Autostrade Group



====	Autostrade per l'Italia	2.854,6 km
=====	Licencees controlled by Autostrade per l'Italia	553,5 km
	<b>Totale</b>	<b>3.408,1 km</b>





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## **AUTOSTRADA'S TECHNOLOGY AREAS**



**TOLLING  
ACCESS  
CONTROL**



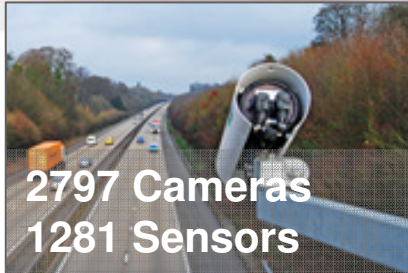
**TRAFFIC  
MONITORING  
CONTROL**



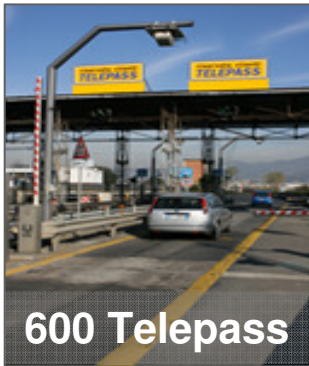
**TRAFFIC  
INFORMATION**



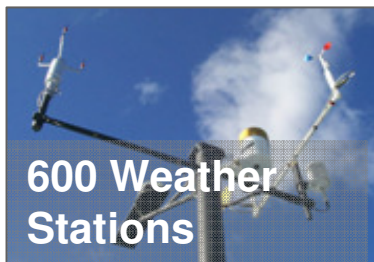
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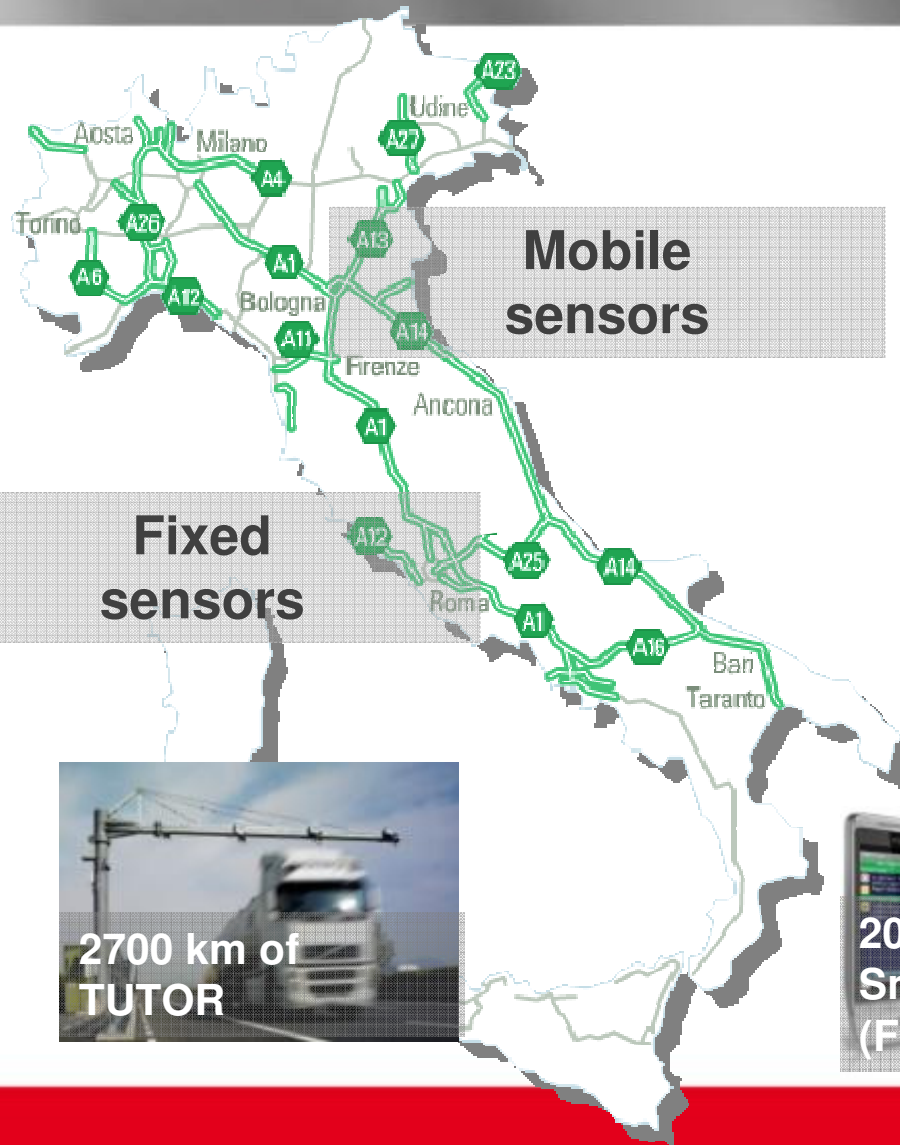
2797 Cameras  
1281 Sensors



600 Telepass



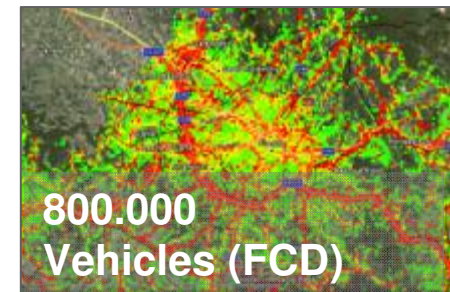
600 Weather  
Stations



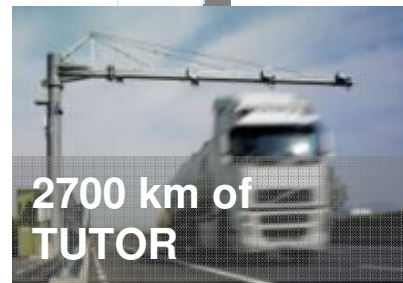
300 On board  
Cameras



7 Million



800.000  
Vehicles (FCD)



2700 km of  
TUTOR



200.000  
Smartphones  
(FCD)



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**Traffic Management and Control (16)**

- 16 Traffic Control Center (TCC)
- 150 TCC Operators
- 500 On road assistants
- 1.000 Equipped vehicles (patrols)
- 1.700 Road Police Patrols

**More than 150.000  
traffic alerts every year**

- 1 Traffic Information Center (TIC)
- 19 TIC Operators
- 14 Autostrade Call Center Operators
- 50 SW Development Group

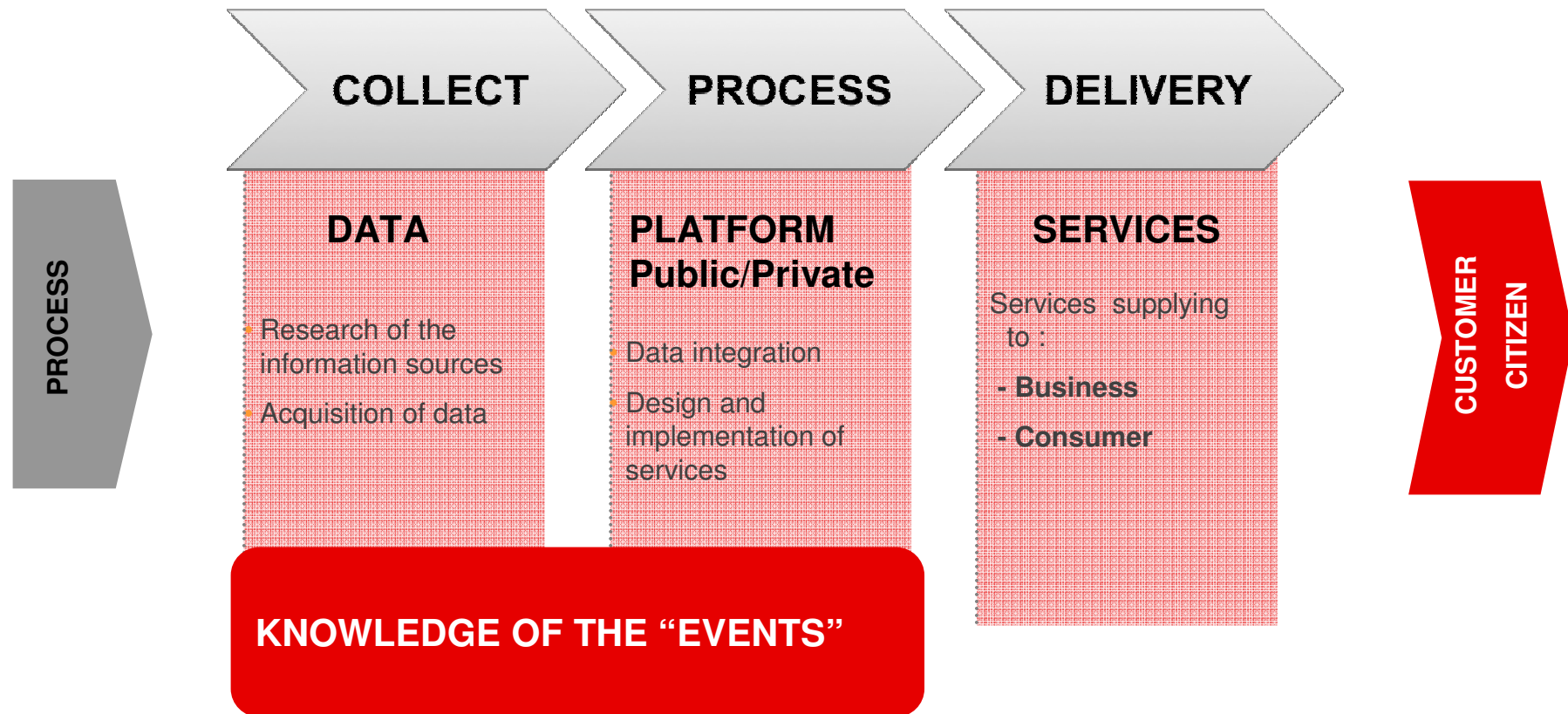


**Traffic Information (1)**



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# Traffic Information value chain





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# Cities and Sustainable Mobility

## Principles

- Travels reduction both in numbers and in timing
- Cost reduction of the most sustainable transport through the allocation of part of the road surface for exclusive use
- Implementation of an intermodal transport network enabling faster travelling than the one allowed by a system only based on private vehicles and less invasive characteristics in relation to other demands of urban life



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## Traditional interventions

- Strengthening of local public transport (reserved lanes and roads, tariff systems integration, tools for the mobile information)
- Adoption of planning tools (Urban / Regional Mobility Plan)



## Innovative interventions

- Pricing policies (Urban road charging, Park and Ride, mobility credits);
- Intervention of “**demand management**” (*traffic calming, vehicular traffic limitation, car sharing services and transport-on-the-call; car pooling*);
- Commuting Plans;
- Intelligent Transport System (ITS) to manage traffic flows (e.g. urban routes to parking, traffic signalling on roads, satellite navigation, etc);



# EU Action Plan and legal framework

- **2010/40/UE DIRECTIVE OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (July 7, 2010)**
- **On the framework for the deployment of Intelligent Transport System in the field of road transport sector and interface with other transport modes**

- Optimal use of road and travel data
- Continuity of traffic and freight ITS management
- Road Safety and Security (e-call)
- Integration road infrastructure-vehicle

**Priority  
Areas**

- Member States will transform it in laws, regulations and administrative provisions to comply with the Directive before February, 27 2012.



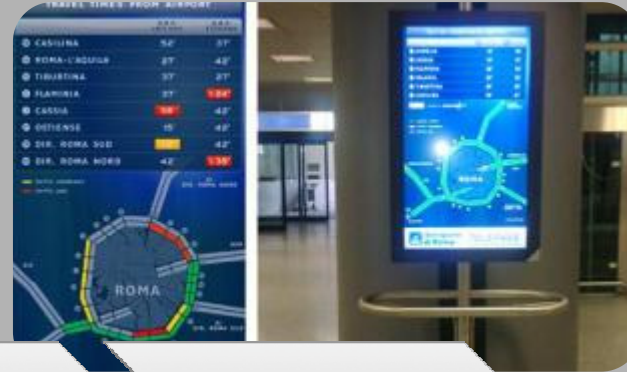
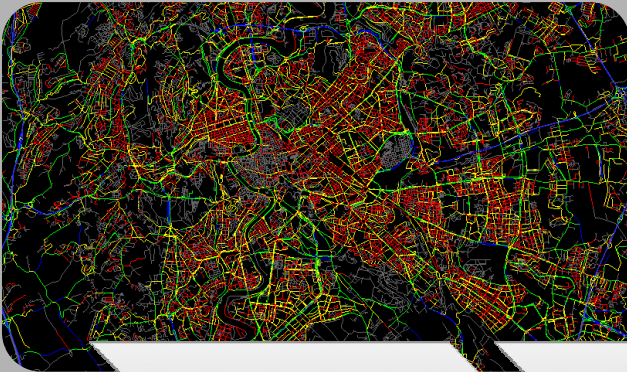
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# Important advantages can result from ITS applied to the mobility

- Increase of almost 10% of the transport capacity of the networks
- Travel time reduction around 20%
- Improving safety and transport condition of 15%.
- 8% reduction in pollution



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**COLLECT**

**PROCESS**

**DELIVERY**



Apple iPhone

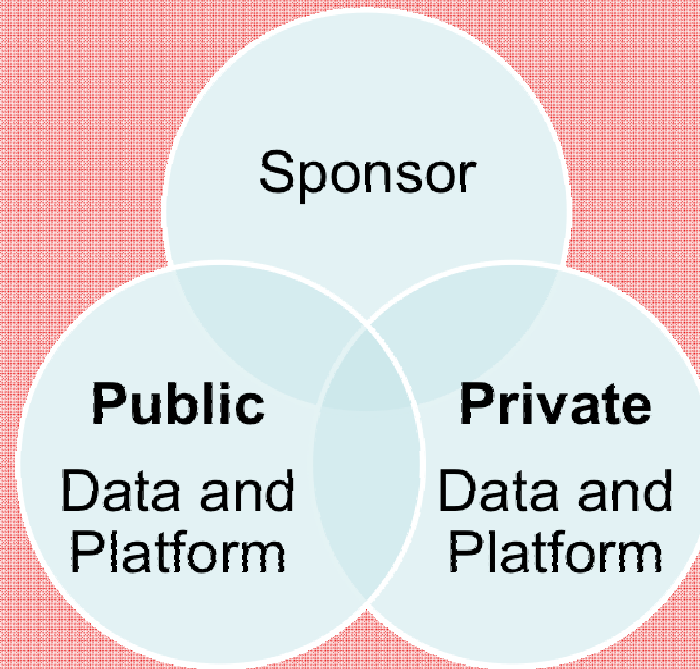


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## Evolution of the “eco-system”

Coordination - Research  
Innovation - Standardization

Basic Services



Advanced / Commercial  
Services



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**autostrade** // *per l'italia*

## AUTOSTRADE'S TECHNOLOGY AREAS

### TOLLING ACCESS CONTROL



### TRAFFIC MONITORING CONTROL



### TRAFFIC INFORMATION



Autostrade technology  
as support of sustainable  
mobility:

- TUTOR
- UIRNET for intermodal logistics
- TELEPASS for access/parking control
- INFOBLU Traffic – Mobile App
- Car Pooling



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**An excellent transport system is vital for a high quality of life, making places accessible and bringing people and goods together. Realizing a competitive and sustainable transport system for European citizens and businesses is at the core of the European transport policy.**

**Siim Kallas**

Vice-President of the European Commission