

Julio García Ramón - Presidente

[jgarcia@itsspain.com](mailto:jgarcia@itsspain.com)



**ITS Spain**

[www.itsspain.com](http://www.itsspain.com)

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# Mobility

- What do we mean by mobility?
  - People and goods mobility, regardless of transport used.
- Important mobility parameters:
  - Safety: number of dead, injuries, etc.
  - Sustainability...: Emissions, fuel consumption, etc
  - Efficiency: time and money used
  - Comfortability: quality of user's experience.
  - Others

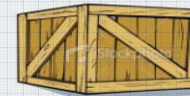
# Mobility

Total: 22.460.338

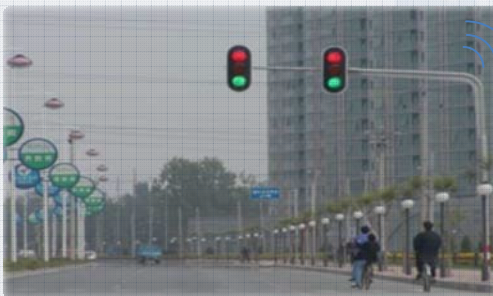
Driver



Passengers  
(402,45 bil. pass-km)



Goods  
(190.61 billion Ton.-km)



Infraestructura  
Total: 166.011 Km



Vehículo  
Total:  
30.318.457



# ITS

¿What are ITS?.

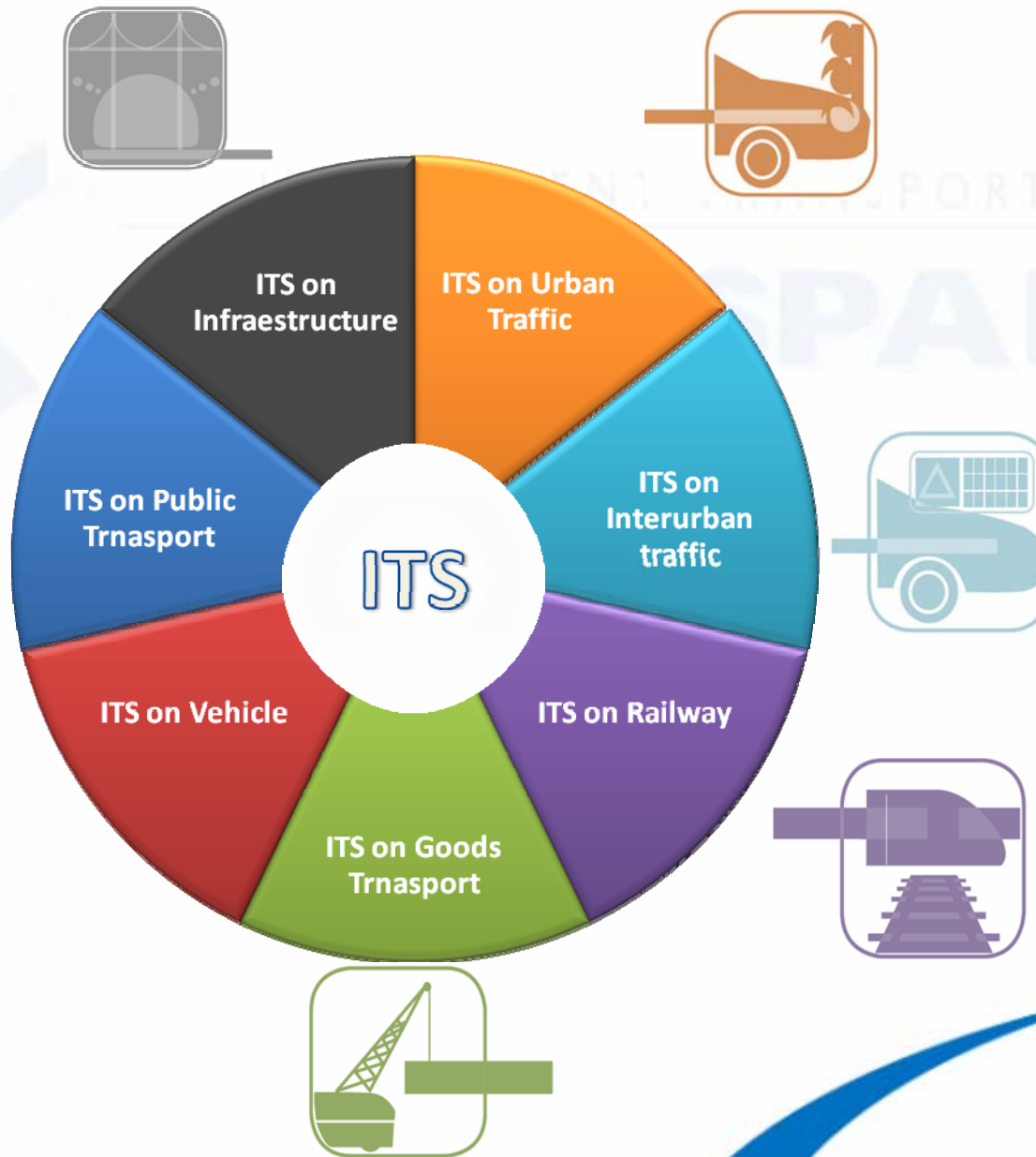
Information and Communication  
Technologies applied to mobility

**impacts**

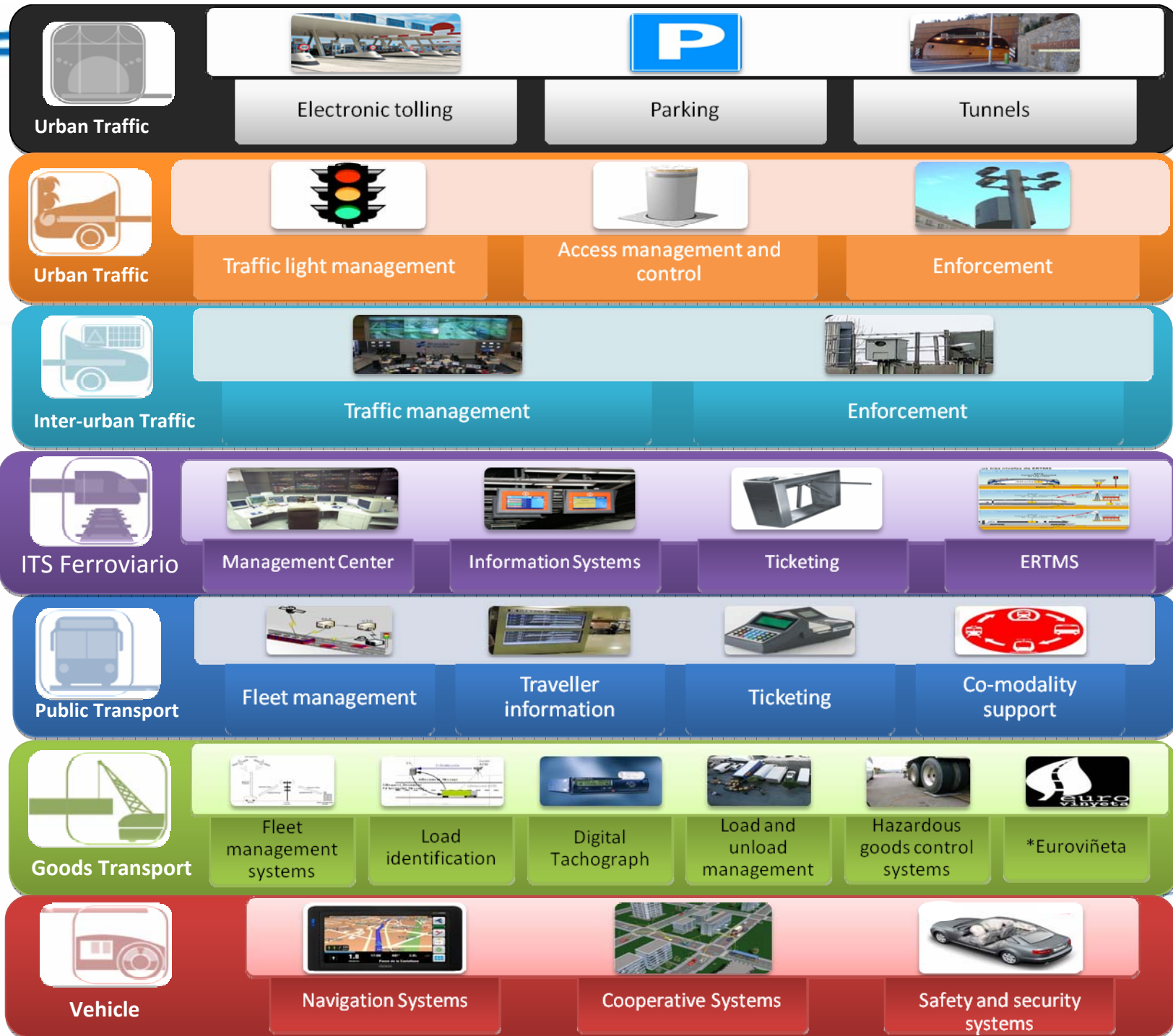


INTELLIGENT TRANSPORT SYSTEM  
**ITS ESPAÑA**

# Sector Picture



# S e c t o r P i c t u r e



# ITS in urban areas

- Public transport
  - All
- ITS Railway
  - Tram
- ITS for urban traffic
  - All
- ITS for interurban traffic
  - Entrances to the cities.
- ITS for goods transport
  - City logistic
- ITS in the vehicle
  - All
- ITS in the infrastructure
  - Parking
  - Urban tunnels
  - Urban freeways

# Directiva ITS

Directiva 2010/40/EU

INTELLIGENT TRANSPORT SYSTEM



# Priority Areas

- Priority area I: Optimal use of road, traffic and travel data
- Priority area II: Continuity of traffic and freight management ITS services
- Priority area III: ITS road safety and security applications
- Priority area IV: Linking the vehicle with the transport infrastructure

# Priority Actions

- (a) the provision of EU-wide multimodal travel information services;
- (b) the provision of EU-wide real-time traffic information services;
- (c) data and procedures for the provision, where possible, of road safety related minimum universal traffic information free of charge to users;
- (d) the harmonised provision for an interoperable EU-wide eCall;
- (e) the provision of information services for safe and secure parking places for trucks and commercial vehicles;
- (f) the provision of reservation services for safe and secure parking places for trucks and commercial vehicles.

## European ITS Committee

*Chair: Commission*

▶ Member States

- ▶ adoption of work programme
- ▶ reporting guidelines
- ▶ standardisation mandates
- ▶ non-binding measures
- ▶ consultation for specifications
- ▶ information exchange

## European ITS Advisory Group

*Chair: Commission*

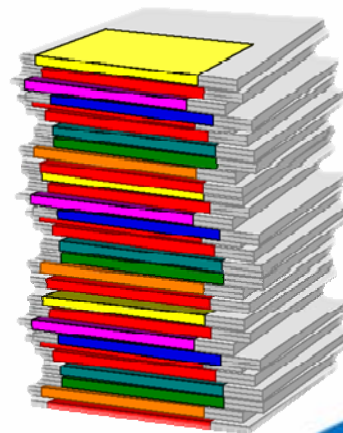
### *High Level Representatives*

- ▶ Service providers
- ▶ User associations
- ▶ Transport operators
- ▶ Industry
- ▶ Social partners
- ▶ Profess. organisations
- ▶ Local authorities
- ▶ Other relevant forums

- ▶ advice on business and technical aspects
- ▶ stakeholder interests

# Milestones

- Transposition deadline: 17th February 2012
- Up to 7 years to make directives



# The provision of EU-wide multimodal travel information services;

## Public Transport

- Bus
- Tram
- Metro
- Bike
- Taxi
- Urban railway



## Private vehicle

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ITS ESPAÑA

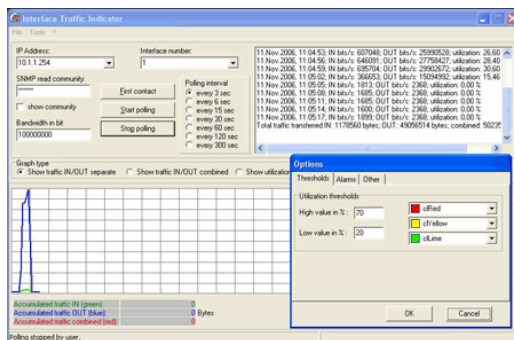
## The provision of EU-wide real-time traffic information services;

COM(2005) 85

# Priority area I:

## Optimal use of road, traffic and travel data

- The provision of EU-wide multimodal travel information services
- The provision of EU-wide real-time traffic information services
- Data and procedures for the provision, where possible, of road safety related minimum universal traffic information free of charge to users





**Priority area II:**

**Continuity of traffic and freight management ITS services**

**- Spanish ITS Architecture**

## Priority area III:

# ITS road safety and security applications

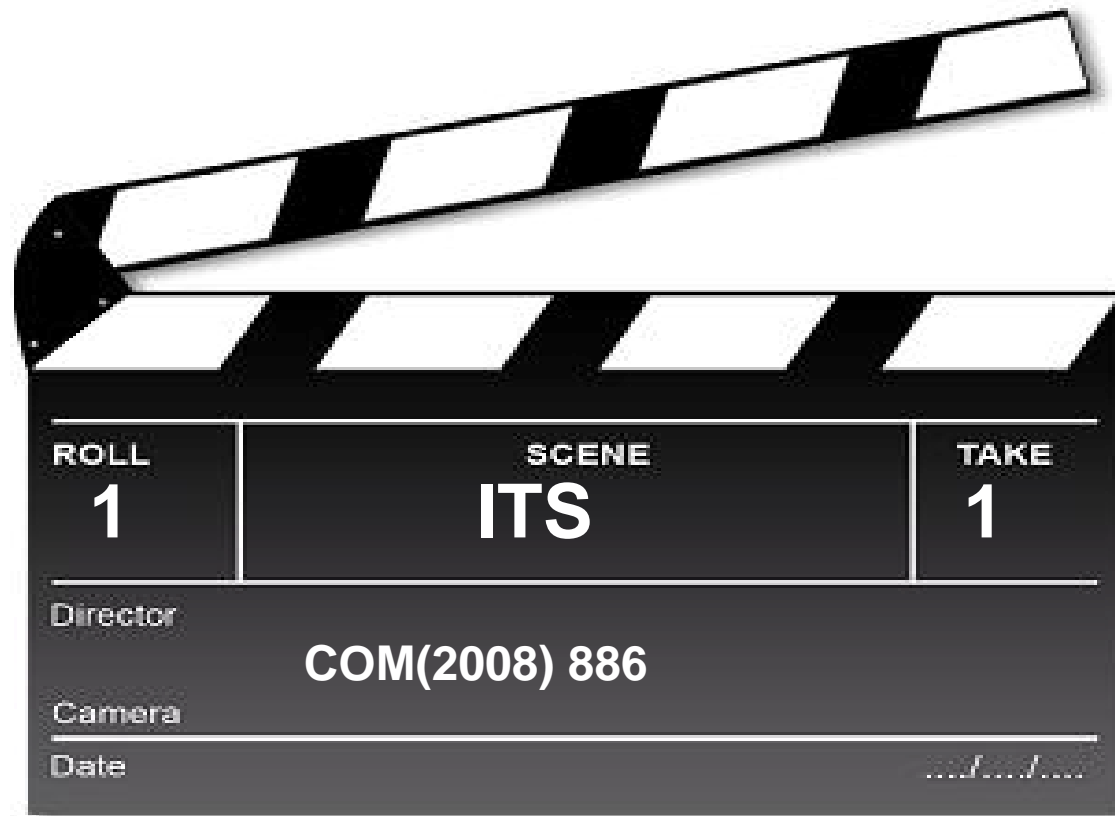
- a) The harmonised provision for an interoperable EU-wide eCall
- b) The provision of information services for safe and secure parking places for trucks and commercial vehicles
- c) The provision of reservation services for safe and secure parking places for trucks and commercial vehicles

## Priority area IV

- **Linking the vehicle with the transport infrastructure**
- Ecovia Plan for developing Cooperative Systems in Spain. Presented to the Commission in Amsterdam 23.3.10

# ITS Action Plan

COM(2008) 886



# ITS Acción Plan

## 24 Accions in 6 Priority Áreas

### Optimal use of road, traffic and travel data

- Definition of procedures for the provision of **EU-wide realtime traffic and travel information services**.
- Optimisation of the collection and provision of **road data** and traffic circulation plans, traffic regulations and recommended routes.
- Definition of specifications for data and procedures for the free provision of **minimum universal traffic information services**.
- Promotion of the development of national **multimodal door to-door journey planners, taking due account of public**.
- Transport alternatives, and their interconnection across Europe.

### Continuity of traffic and freight management ITS

- Procedures and specifications to ensure the **continuity of ITS services for passenger and freight** in transport corridors and in urban/interurban regions.
- Identification of ITS services to be deployed in support of freight transport (**eFreight**).
- Wider deployment of an updated multimodal **European ITS Framework architecture** for intelligent transport systems and definition of an **ITS**.
- Implementation of the interoperability of **electronic road toll systems**.

### Road safety and security

- Promotion of deployment of advanced driver assistance systems and safety and security-related ITS systems, including their installation in new vehicles.
- eCall**.
- Development of a regulatory framework on a safe on-board **Human-Machine-Interface and the integration of nomadic devices**.
- The impact of ITS applications and services on the safety and comfort of **vulnerable road users** measures including best practice guidelines on **secure parking places for trucks and commercial vehicles** and on telematics-controlled parking and reservation systems.

### Integration of the vehicle into the transport infrastructure

- Adoption of an **open in-vehicle platform architecture** for the provision of ITS services and application.
- Development and evaluation of **cooperative systems** in view of the definition of a harmonised approach.
- Definition of specifications for infrastructure-toinfrastructure (I2I), vehicle-to-infrastructure (V2I) and vehicle-to-vehicle (V2V) communication in co-operative systems.
- Definition of a **mandate for the European Standardisation Organisations to develop harmonised standards** for ITS implementation.

### Data security and protection, and liability issues

- Assess the **security and personal data protection aspects** related to the handling of data in ITS applications and services.
- Address the **liability issues pertaining to the use of ITS** applications and notably in-vehicle safety systems.

### European ITS cooperation and coordination

- Legal framework for European **coordination on the Europe-wide deployment of ITS**
- Development of a **decision-support toolkit** for investment decisions in ITS applications and services.
- Development of **guidelines for the public funding from both EU**.
- Set-up of a specific **ITS collaboration platform between** Member States and regional/local governments to promote ITS initiatives in the area of **urban mobility**.



Where are we?

INTELLIGENT TRANSPORT SYSTEM

ITS ESPAÑA

Where do we go?

Who doesn't know where is he,  
maybe he doesn't come anywhere...

# What do we want?

Less mobility



Adoption measures



More confortability



Adoption measures

# Conclusion

If we want accept an ITS Action Plan and ITS Directive, it must solve our problems

- There is the need to consult to the affected.
- The main affected in the urban areas are in this room today, maybe.