

**TTS**  
**ITALIA**

Associazione Italiana  
della Telematica  
per i Trasporti e la Sicurezza

# La Direttiva Europea sugli ITS

## *Primi risultati - Roadmap*

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***Roma, 15 dicembre 2010***



## ***Road Traffic & Travel Data (PA 1)***

EU-wide multi-modal travel and traffic information services

Universal road safety traffic information free of charge to users

Multimodal door-to-door journey planners

## ***Continuity of Services (PA 2)***

Architectures Interface (EU, National and Urban)

Standardised information flows for passenger and freight services (incl. eFreight)

## ***Road Safety Applications (PA 3)***

E-Call

Parking reservations for commercial veh.

HMI for embedded and nomadic devices

ADAS

Vulnerable road users

## ***Linking the Vehicle with Transport Infrastructure (PA 4)***

Cooperative systems :  
Definition of communication infrastructure;  
Information in Vehicles and Infrastructure;  
Standardised message format

Development of Open In-Vehicle Platform

## **Road Traffic & Travel Data (PA1/WP1)**

*EU-wide multi-modal travel information services*

*EU-wide real-time traffic information*

*Universal road safety traffic information free of charge to users*

## **Continuity of Services (PA2/WP2)**

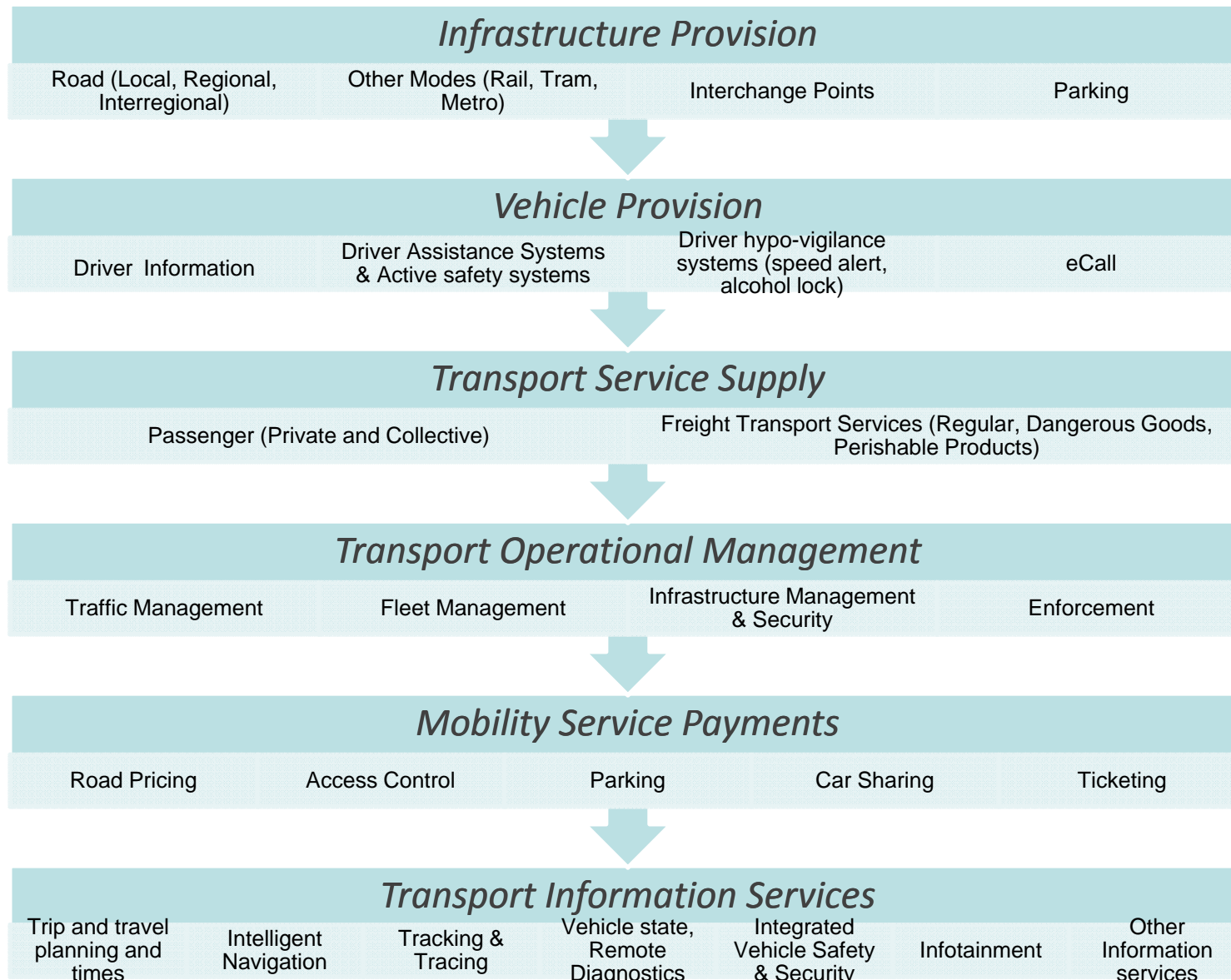
## **Road Safety Applications (PA3/WP3)**

*Interoperable EU-wide E-Call*

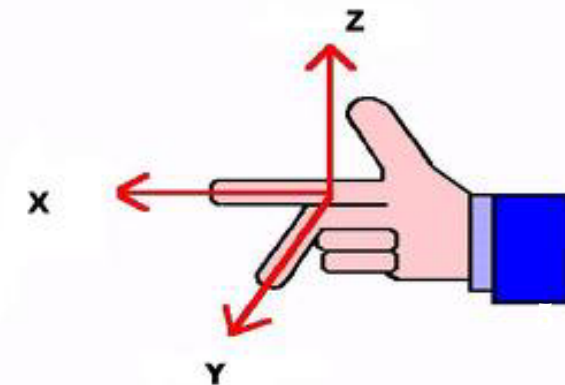
*Information for safe & secure parking for commercial vehicles*

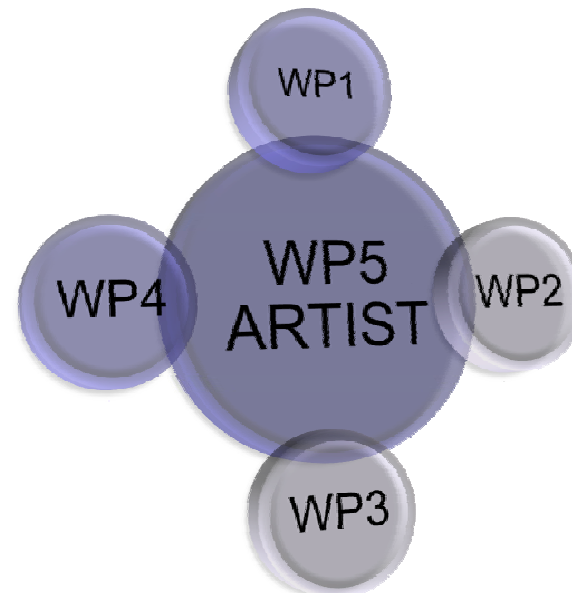
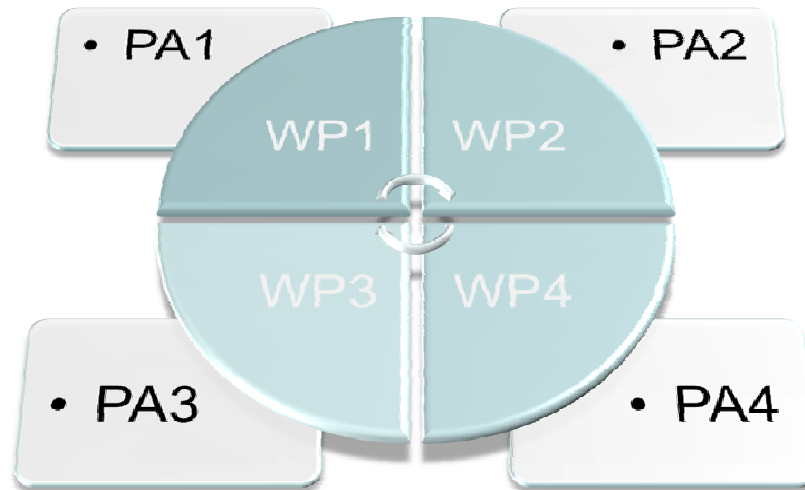
*Reservations services for safe & secure parking for commercial vehicles*

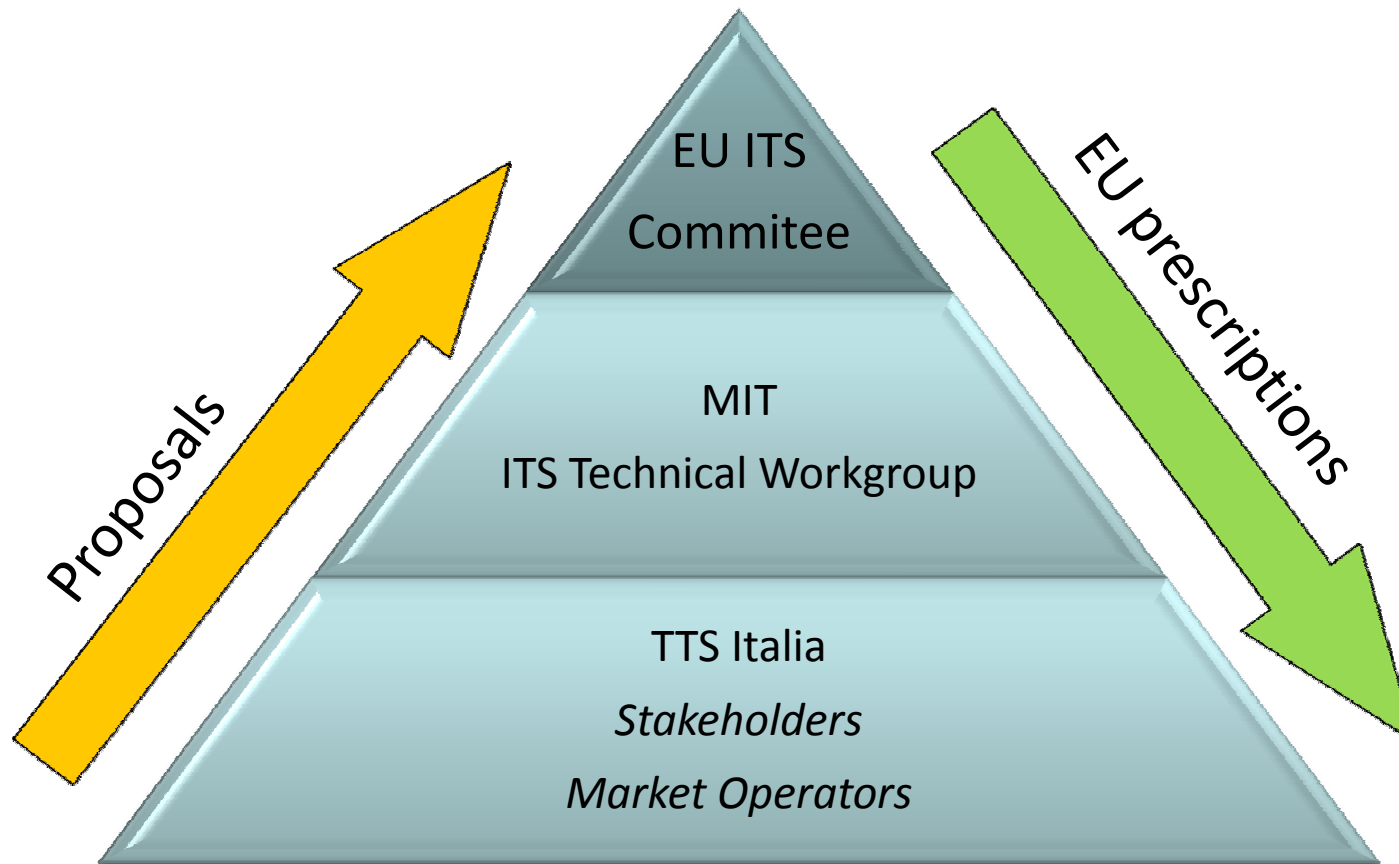
## **Linking the Vehicle with Transport Infrastructure (PA4 / WP4)**



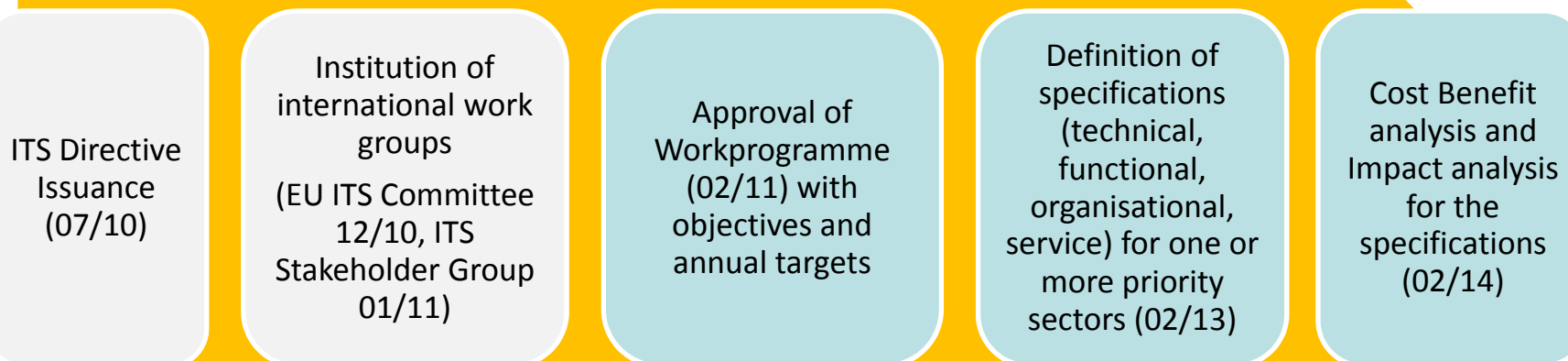
	<i><b>PA1</b></i>	<i><b>PA2</b></i>	<i><b>PA3</b></i>	<i><b>PA4</b></i>
<i>Vehicle Infrastructure</i>	X		X	X
<i>Infrastructure Sensors</i>	X	X	X	X
<i>Communication Technology</i>			X	X
<i>Traffic Control Centre</i>	X	X	X	
<i>Traffic Information Centres</i>	X	X		



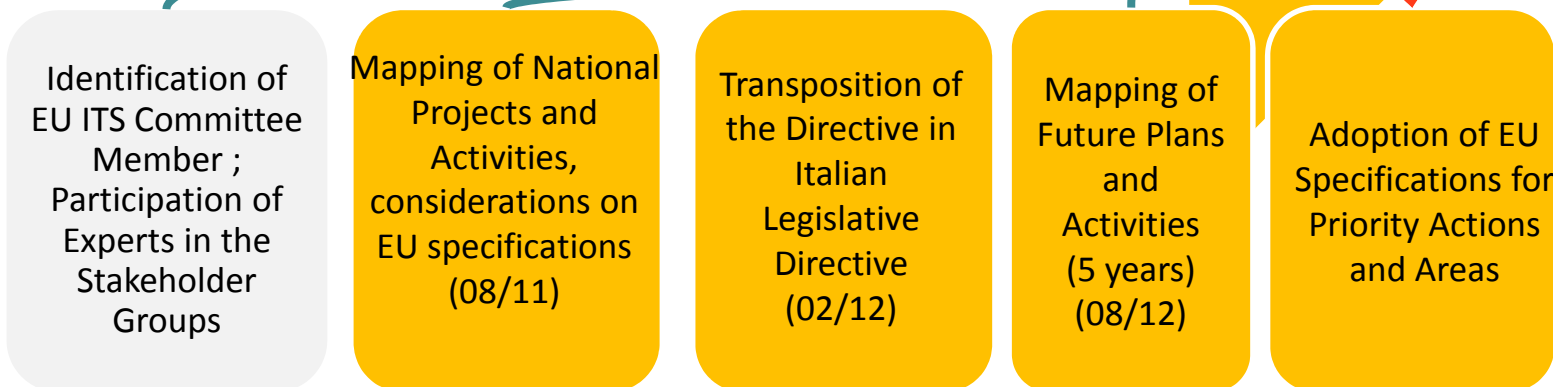




## EU Process



## National Process





- National Architecture
- Interface between National Architecture and Urban Architectures
- Principles to Guarantee Privacy
- Criteria to Guarantee Compatibility between Systems
  - *Interoperability*
  - *Multimodality*
  - *Data Exchange*
    - *Datex*
    - *Cross-geography*
    - *Cross-stakeholders*
  - Continuity of Services for the diffusion and operative use of ITS

- Integrated Traffic and Mobility Management

- *Long Distance Traffic*
- *Urban Traffic*
- *Local Public Transport*
- *Fleet Management*
- *Car Sharing*
- *Infrastructure Management*
- *Demand Management*
- *Management of Enforcement*



- Maritime Traffic Management

- Rail Transport Management

- User Oriented Services

- *Traffic Information Services*
- *Information Services on Speed Limits*
- *Universal Free Traffic Safety Message Services*
- *Co-Modal Information Services*
- *Journey Planning Services*
- *Information Services on weather conditions*
- *Co-Modal Ticketing Services*



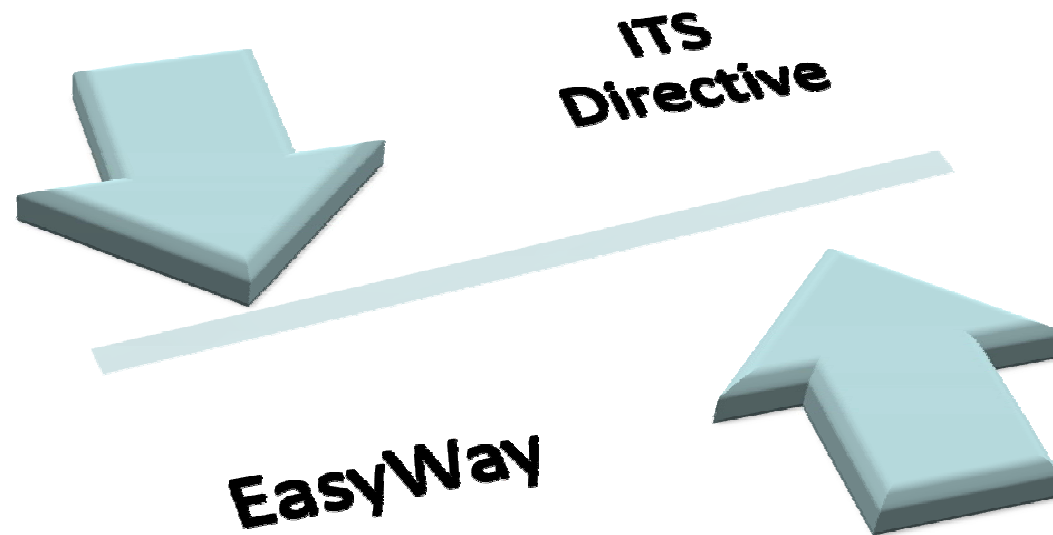
- Management of Intermodal Freight Transport and Logistics

- Safety and Security Improvements
  - *Incident Management*
  - *Advanced Driver Support Information Systems into Vehicles and Road Infrastructure*
  - *Safe Driver Information*
  - *eCall*
  - *Stolen Vehicle Tracking*
  - *Remote Vehicle Diagnostics*
  - *Hypo-vigilance Services*
- Cooperative Systems
  - *Infrastructure to Infrastructure Cooperative Services*
  - *Vehicle to Infrastructure Cooperative Services*
  - *Vehicle to Vehicle Cooperative Services*
- Services to Support Vulnerable Users



- Description of Service
  - *Service Objectives and Expected Benefits*
  - *Functional*
  - *Technical*
  - *Communication*
  - *Organisational*
  - *Relationship/Interface between Service Providers*
- State of the Art in Italy
  - *Applications*
  - *Coverage*
  - *Availability of Service*
  - *Seamlessness of the data exchange*
  - *Open Problems*
  - *Prospects/Solutions*
  - *Alignment with EU State of the Art*

- Recommendations for Support EU, National
- Priority Level for the Future
- Criteria to Guarantee Compatibility of Service at the Geographic Level and Across Stakeholders
  - *Interoperability*
  - *Multimodality*
  - *Updated and Accurate Data*
  - *Continuity of Services*
  - *Data Exchange Across Borders and Urban/interurban*
  - *Data Exchange Across Actors*
  - *Standardisation of Information Flows*
- Considerations/Provisions with Reference to the Development of Future EU Specifications
  - *Functional*
  - *Technical*
  - *Organisational*
  - *Services*
- Considerations with Reference to Easyway



## ***NEXT GOALS***

Transversal & Service Themes

Thematic Workgroups

Thematic Drafts

Wider Consultation of Results

Final Integrated Draft





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***Thanks for your attention***

***Roma, 15 dicembre 2010***

***Massimiliano ZAZZA***

