



- The European policy environment for the deployment of Intelligent Transport Systems

# ● Evolution of Intelligent Transport Systems (ITS)

## Enablers for mobility services :

- » Smart phones
- » Navigation services
- » Electronic tolling
- » ESC, eCall
- » Cooperative systems?
- » ...



# ● ITS in all transport modes

- SESAR
- River Information Services
- SafeSeaNet
- Vessel Traffic Monitoring and Information Systems
- European Rail Traffic Management System
- Galileo/EGNOS



# ● EU 2020 Strategy

- Lead Europe out of the economic and financial crisis
- More jobs and higher quality of life in the long-term
- **3 mutually reinforcing priorities :**
  - » Smart growth: Knowledge and Innovation
  - » Sustainable growth: ecology and competitiveness
  - » Inclusive growth: employment and social / territorial cohesion



# ● New Transport White Paper - Roadmap to a single European Transport Area

- Vision for a competitive and sustainable transport system in 2050 : growing transport and support mobility with a -60% emission target
- Business as usual is not sustainable :
  - » Growing competition in world transport markets
  - » Tight carbon budget for the transport sector
  - » Strong requirements for infrastructure investments
  - » Need for a new approach to mobility

# ● White Paper : the strategy for next ten years (2011-2020)

- Single European Transport Area
  - » Eliminate residual barriers between modes and national systems
  - » Facilitate emergence of multinational and multimodal operators
- Innovating for the future – Technology and Behaviour
  - » Address full cycle of research, innovation and deployment in an integrated way
  - » Focus on most promising technologies
  - » Promote more sustainable behaviour through innovation
- Modern infrastructure and smart funding
  - » Focus on required network characteristics
  - » Foresee adequate funding and resources
  - » Reflect the cost of transport in its price
- External Dimension
  - » Flexible strategies addressing international dimension of transport
  - » Extend transport and infrastructure policy to direct neighbours

- EU Instruments in support of ITS development and implementation
  - R&D support (FP5,6,7, ...) and Innovation
  - (Co-) Funding for deployment :
    - » TEN-T projects
    - » DG REGIO (Structural and Cohesion Funds)
  - Standardisation
  - Policy initiatives :
    - » Communications, Actions Plans, etc...
  - Regulatory
    - » Directives, Regulations, etc...



## ● EU Policies on ITS for road

**Action Plan** for the Deployment of  
Intelligent Transport Systems (ITS) in Europe (Dec 2008)



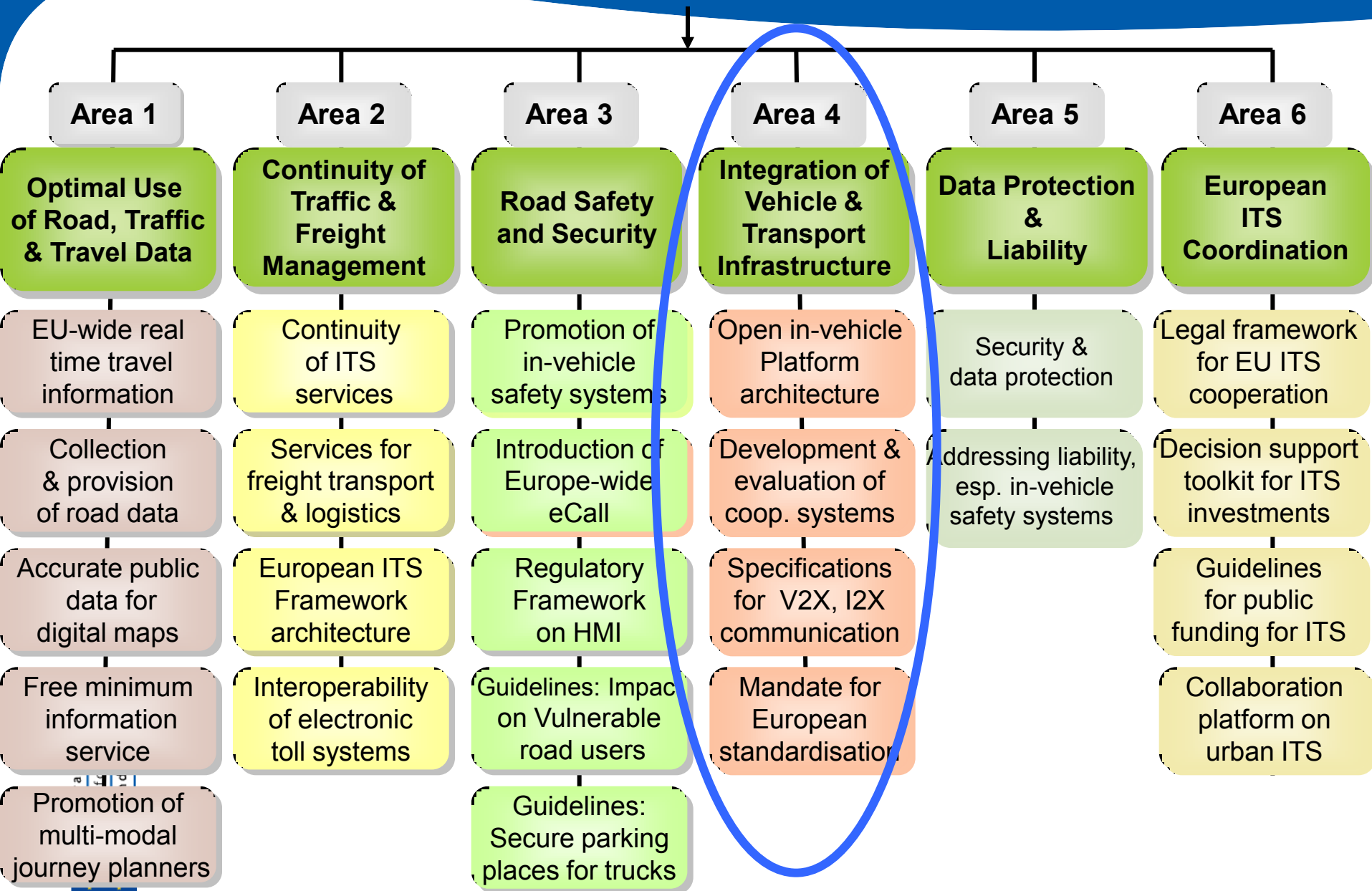
**Directive 2010/40/EU**: Framework for the  
Coordinated and Effective Deployment and Use of  
Intelligent Transport Systems

**Road transport** and interfaces with other modes

- » coordinate and accelerate deployment of ITS
- » make road transport more sustainable



# ITS Action Plan



# Integration of Vehicle and Transport Infrastructure

- Open in-vehicle platform architecture
- Cooperative systems :
  - Specifications for communication: I2I – V2I – V2V
  - Research Projects : CVIS, COOPERS, Safespot, ...
  - Standardisation : M/453 mandate (ETSI-CEN)
  - Questions to address :
    - Business case for deployment?
    - For which applications? Safety only? First?
    - A role for telecom infrastructure?



## ● Directive 2010/40/EU

in force since  
26 Aug 2010

Framework for the Coordinated and Effective Deployment and Use of Intelligent Transport Systems

### Objectives

- Establishing a framework for coordinated and effective deployment and use of ITS
- Development of specifications and standards focused on interoperability and continuity





**EU-wide Multi-Modal Travel Information**



**EU-wide Real-Time Traffic information**



**Free safety-related minimum Traffic Info**



**Interoperable EU-wide eCall**

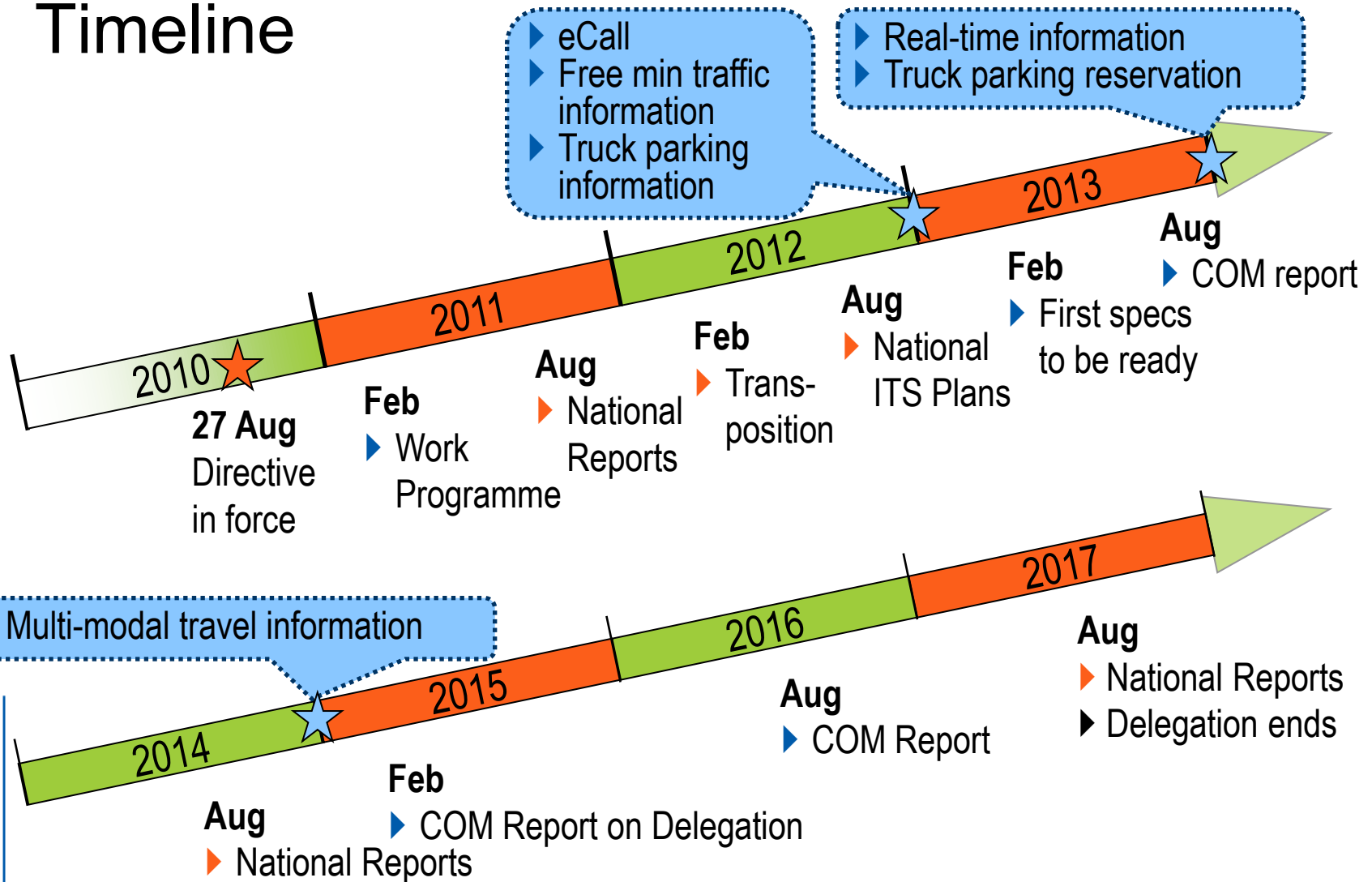


**Information & Reservation systems for Truck Parking**



SOURCE: European Commission

# Timeline



# ● Conclusion

- ITS is an integral part of European Transport Policy
- ITS Directive is the legal instrument for the deployment of ITS in Europe
- Many challenges remain for fully networked card
- Do not forget : ITS to support real services for real people

## ● More information



Directorate-General for Mobility and Transport

[http://ec.europa.eu/transport/index\\_en.htm](http://ec.europa.eu/transport/index_en.htm)

ITS Action Plan and Directive

[http://ec.europa.eu/transport/its/road/action\\_plan\\_en.htm](http://ec.europa.eu/transport/its/road/action_plan_en.htm)

Thank you for your attention !