

The European policy environment for the deployment of Intelligent Transport Systems

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"The Fully Networked Car" ITU-T Workshop, Geneva, 3 March 2011

Evolution of Intelligent Transport Systems (ITS)

Enablers for mobility services:

» Smart phones

» Navigation services

» Electronic tolling

» ESC, eCall

» Cooperative systems?

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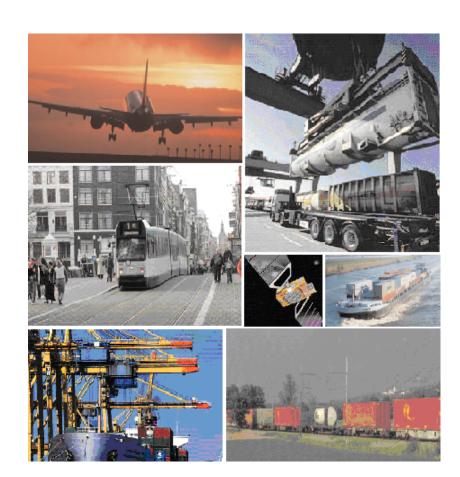






ITS in all transport modes

- SESAR
- River Information Services
- SafeSeaNet
- Vessel Traffic Monitoring and Information Systems
- European Rail TrafficManagement 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 :
 - Solution of the second contract of the sec
 - Tight carbon budget for the transport sector
 - Strong requirements for infrastructure investments
 - Need for a new approach to mobility

Directorate-General for Mobility and Transport

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



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





ITS Action Plan

Area 1 Area 4 Area 2 Area 3 Area 5 Area 6 Integration of **Continuity of Data Protection** European **Optimal Use Road Safety** Vehicle & **Traffic &** ITS of Road, Traffic Freight and Security **Transport** Coordination Liability & Travel Data Management Infrastructure EU-wide real Promotion of Open in-vehicle Legal framework Continuity Security & of ITS Platform for EU ITS time travel in-vehicle data protection information services safety systems architecture cooperation Collection Introduction c **Decision support** Services for Development & ddressing liability, toolkit for ITS & provision freight transport Europe-wide evaluation of esp. in-vehicle of road data & logistics eCall coop. systems investments safety systems Accurate public European ITS Regulatory **Specifications** Guidelines data for Framework Framework for V2X, I2X for public communication funding for ITS digital maps architecture on HMI Free minimum Interoperability Guidelines: Impac Mandate for Collaboration information of electronic on Vulnerable European platform on service toll systems road users standardisation urban ITS e dipi Promotion of Guidelines:

Secure parking

places for trucks

multi-modal

journey planners

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?







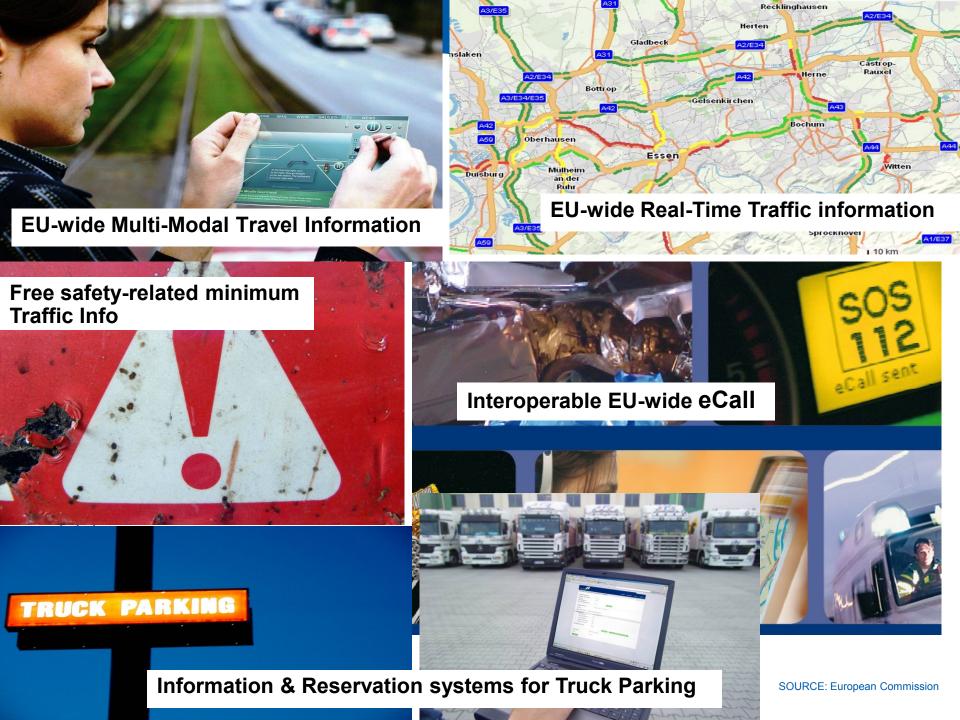
Directive 2010/40/EU in force since 26 Aug 2010

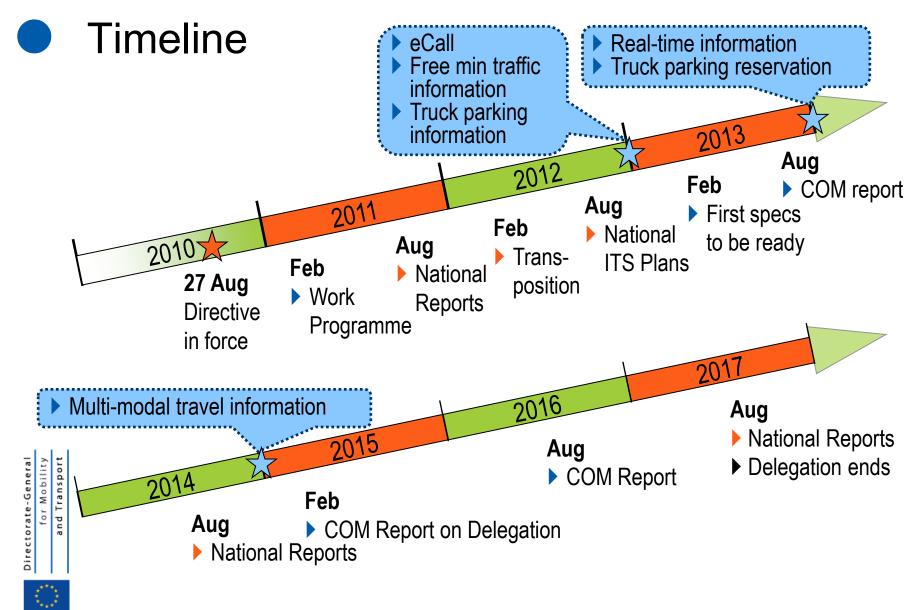
Framework for the Coordinated and Effective Deployment and Use of Intelligent Transport Systems

Objectives

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







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 peopel



More information



Directorate-General for Mobility and Transport

http://ec.europa.eu/transport/index_en.htm

ITS Action Plan and Directive

http://ec.europa.eu/transport/its/road/action_planen.htm



Thank you for your attention!