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EUROPEAN COMMISSION

How the European Commission promotes co-ordinated ITS deployment in road transport in the EU Member Countries

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European Commission

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Outline

- Potential of ITS and deployment status in Europe
- Status of Road ITS Deployment in Europe
- Main Problem Drivers
- EU Policy Initiative on ITS: ITS Action Plan and Framework Directive proposal
- State of Play: Where are we now?
- EasyWay project
- Conclusions

Potential of ITS for Road Transport

- reduction of **congestion** by 5-15%
  - » dynamic traffic & freight management, dynamic navigation, electronic toll collection

- 5-15% less **fatalities** and 5-10% less **injuries**
  - » electronic stability control (ESC), lane keeping support, speed alert, emergency call (eCall)

- possible savings of 10-20% **CO_2 emissions**
  - » road charging, access management, eco-driving support, multi-modality

Status of Road ITS Deployment in Europe

- fast technical development
  - » industry in the driving seat
  - » high number of mature applications
  - » business cases often difficult
- slow and fragmented uptake
  - » large variation between countries
  - » lacking system approach
  - » patchwork of national, regional and local solutions; few EU-wide services
- low degree of intermodality

Main Problem Drivers

- lack of effective cooperation

- lack of interoperability

- privacy and liability issues
  to be clarified

EU Policy Initiative on ITS

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

Legislative Proposal for a **Directive** with a Framework
for the Implementation of the Action Plan

Road transport and interfaces with other modes

» coordinate and accelerate deployment of ITS

» make road transport more sustainable

adopted by the Commission on 16/12/2008

Motivation for this combined approach

- ITS as key enabler in current and future EU transport policies: TEN-T, Greening Transport, Logistics Action Plan, Road Safety Action Programme, Intelligent Car Initiative, A Sustainable Future for Transport, etc.

- ITS gained maturity: 20+ years of research; technological progress but isolated deployment

- Standardisation rather slow and not solving all issues

- Previous EC policy actions (Action Plan, Communications) with limited impact

- Combined approach (legal + standards + support) successful in other transport modes: SESAR (air), RIS (inland navigation), VTMIS (sea), ERTMS (rail)

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What should be achieved

- common priorities & coordination

- interoperability of systems

- continuity of services (across borders)

- generation of scale effects > cost reduction

- promotion of the EU ITS industry

Selected Priorities in ITS action plan

Optimal Use of Road, Traffic and Travel Data

Continuity of Traffic and Freight Management

Road Safety and Security

Integration of Vehicle into Transport Infrastructure

Data Protection and Liability

European ITS Coordination

Some of the Selected Actions ...

- procedures for EU-wide real-time traffic and travel information (incl. data access and exchange)
- specifications for continuity of ITS services (corridors, cross-border, urban-interurban)
- open in-vehicle platform
- promotion of driver assistance and co-operative systems
- eFreight
- introduction of eCall
- clarification of data protection and liability
- platform for urban ITS

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Framework Directive Proposal

- Common work on specifications
  - » Commission to define specifications based on interoperability and open, public standards
  - » assisted by the European ITS Committee (Comitology)
  - » advice from the ITS Advisory Group
  - » building on existing work (eSafety, research, action plan)

- Obligations for Member States
  - » ensure reliable and updated road transport data
  - » ensure data access and exchange
  - » support integration of in-vehicle systems on a single platform
  - » make use of satellite-based infrastructure (or equivalent)

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European ITS Committee

Member States
Chair: EC

- Member States
- European Commission

- establish specifications in priority areas
- information exchange

European ITS Advisory Group

15-20 High Level Members
Chair: EC

- Service providers
- User associations
- Transport operators
- Industry
- Social partners
- Professional organisations
- Local authorities

- advise on business and technical aspects
- formulate stakeholder interests

Current Status of EU initiative

- ITS Action Plan:
  - » Warm welcome at Council Conclusions (30 March 2009)
  - » Strong support by European Parliament Resolution (23 April 2009)
  - » Strong support by the European Economic and Social Committee (Opinion of 24 Feb. 2009)

- Directive Proposal:
  - » European Parliament First Reading (23 April 2009)
    - adopted by 529 votes to 42, with amendments
  - » Council: Ongoing Discussions in Working Party
    - Progress Report issued by Czech Presidency (11 June 2009) listing the difficulties
    - Agreement with the EP aimed by Swedish Presidency for December 2009

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The EasyWay project

- should foster pan-European harmonised deployment of ITS on the Trans-European Road Network & its interfaces with other transport modes…

  » by enhancing concertation and synchronized actions…

    - in the area of Traffic Management, Traveller Information Services, Freight & Logistics

- and is financially supported by the EC under the Multi-Annual Programme

  ➢ 20 Member States participating in first phase

  ➢ Second phase (2010-2011) under evaluation

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EasyWay is building on Euro Regional Projects (<2006)

- EasyWay continues where the Euro Regional Projects landed…

- incorporating South-Eastern Europe…

- **is handled as one single project**

STREETWISE

VIKING

CENTRICOCONNECT

CORVETTE

ARTS

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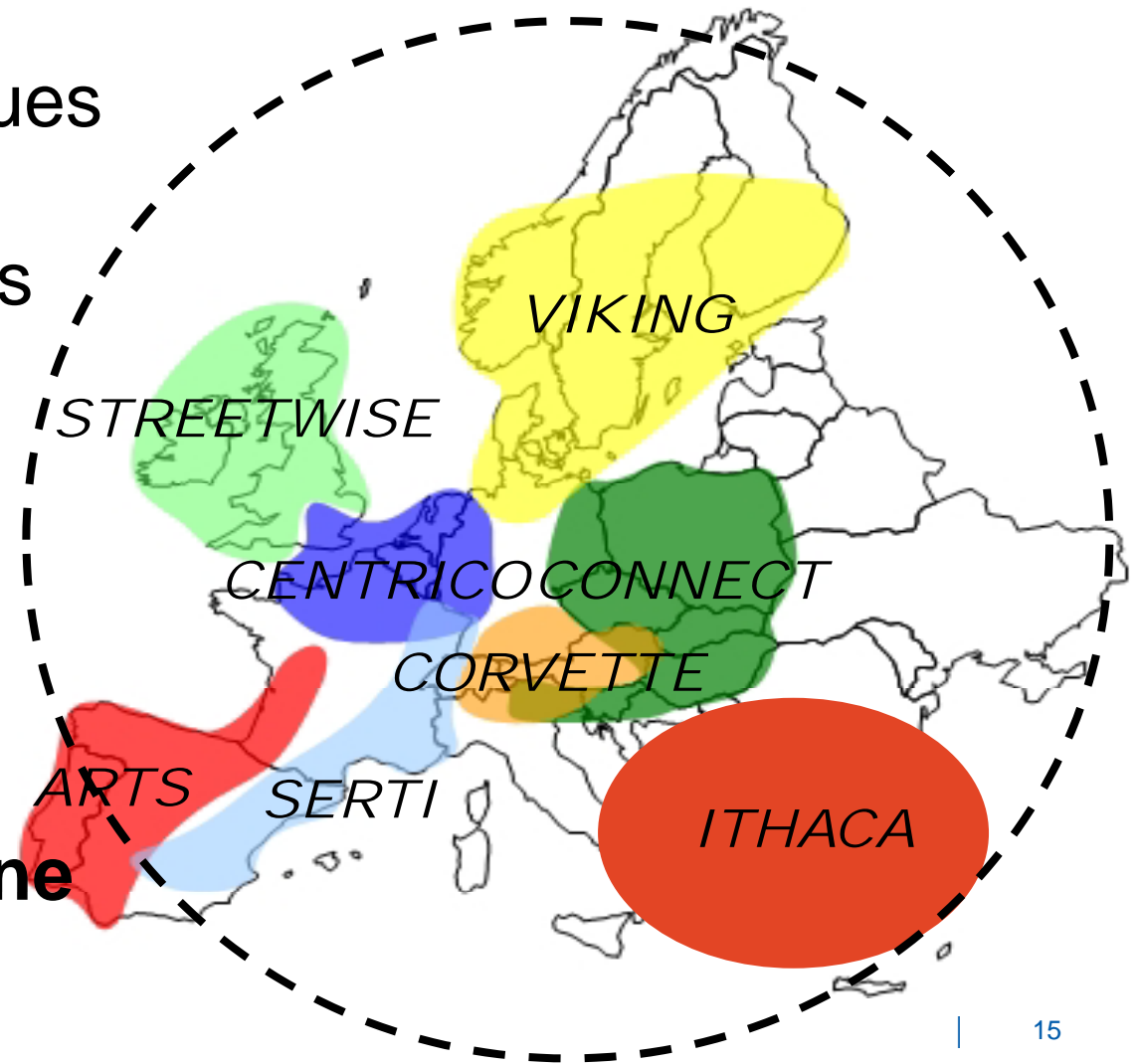
Priority: Services rather than ITS Infrastructure

The aim of the EASYWAY project must be:

- European-wide deployment of ITS for Road Services

  offering

  - » cross-border continuity
  - » similar look & feel
  - » equal level of quality

- achievements of targets set regarding Road Safety, Efficiency, Environmental impacts

Conclusions

- ITS are key element in transport policy
- Barriers remain to wide(r) ITS deployment
  » Interoperability
  » Legal issues (privacy and liability)
  » Lack of effective cooperation

- To lift these barriers: comprehensive approach is needed:
  » Further work on standardisation
  » Further financial support (e.g. Trans-European Transport Network Programme)
  » Concretely address issues with targeted actions
  » A strong legal instrument to enforce measures

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More information

ITS Action Plan and Directive

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

EasyWay

http://www.easyway-its.eu/

Thank you for your attention !