ICT PSP Call4 - 2010

Theme 1: ICT for a low carbon economy and smart Mobility

Objective 1.3: Energy efficient co-operative transport management systems

Objective 1.4: Support to eCall implementation based on 112

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ICT-PSP Infoday. 14 January 2010

ICTPSP
ICT POLICY SUPPORT PROGRAMME

European Commission
Information Society and Media

Objective 1.3
Energy efficient co-operative transport management systems

- **Aim:** to facilitate the uptake and best use of value-added co-operative mobility services in Europe
- **Outcomes:** Set of specifications for cities for

  Procurement; Testing; Installation; operation and monitoring

  of state of the art cooperative traffic management systems and services
- Based on V2V & V2I comms
- **Target:** significantly improving both energy efficiency of traffic

Objective 1.3
Energy efficient co-operative transport management systems

Conditions and characteristics (1)

- The pilots should focus on applications for energy efficiency in some of the following key technology areas:
  - Eco-Traffic Management and Control Systems
  - Eco-Demand and Access Management Systems
  - Eco-Navigation and Travel Information Systems
  - Driver Behaviour Change and Eco-driving

☝ Europe's Transport Policy principle of co-modality: All modes of transport

- Logistics

Objective 1.3
Energy efficient co-operative transport management systems

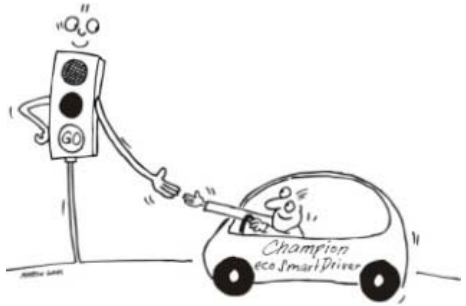
Conditions and characteristics (2)

- The pilots should:
  - Involve national ministries, authorities and operators responsible for transport network operations
  - Include aspects such as safety, efficiency, sustainability, maintenance, traffic management and travel information
  - Include participation of industry, user organisations
  - Show Commitment to plan for long term deployment and sustainability of the systems and services beyond the pilot phase
- Interoperability and use of existing European commonly agreed standards are a must

Objective 1.3
Energy efficient co-operative transport management systems

Conditions and characteristics (3)

- Pilots should be complementary to:
  - ongoing pilots from previous projects launched under the ICT PSP ("Freilot" ***www.freilot.eu*** and "In time" ***www.in-time-project.eu***)
  - RTD projects within FP
- Pilots should focus on enhancing the co-operative element of transport management systems
- Proposals should include specific and realistic quantified indicators to monitor progress



Objective 1.3
Energy efficient co-operative transport management systems

Funding Instruments

- Pilots Type B
- Up to three pilot actions
- Up to 4 M€ of EU contribution

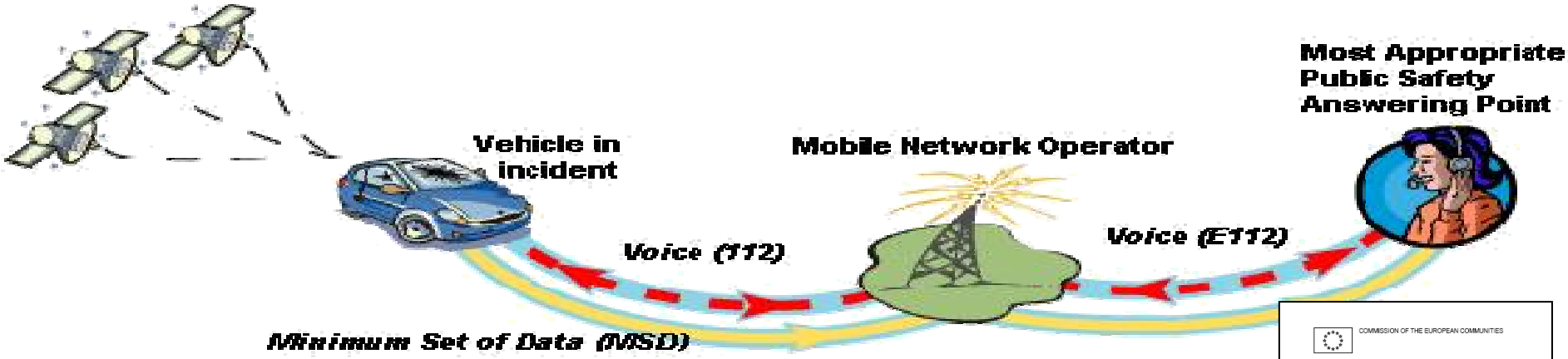
Expected impact

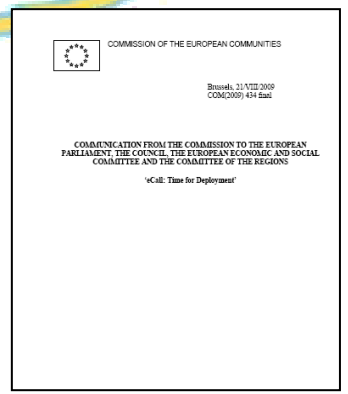
- Contribute to the uptake of European innovative ICT based mobility services for sustainable and energy efficient transport systems (lowering CO_2 emissions)
- Improve readiness of Member States for investments in upgrading their ICT infrastructures (in particular communication and sensor networks) in support of mobility

Objective 1.4: Support to eCall implementation based on 112

Focus and outcomes:

To prepare for the deployment of the necessary infrastructure to realise the pan-European in-vehicle emergency call service "eCall"

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Brussels, 21/VIII/2009
COM(2009) 434 final

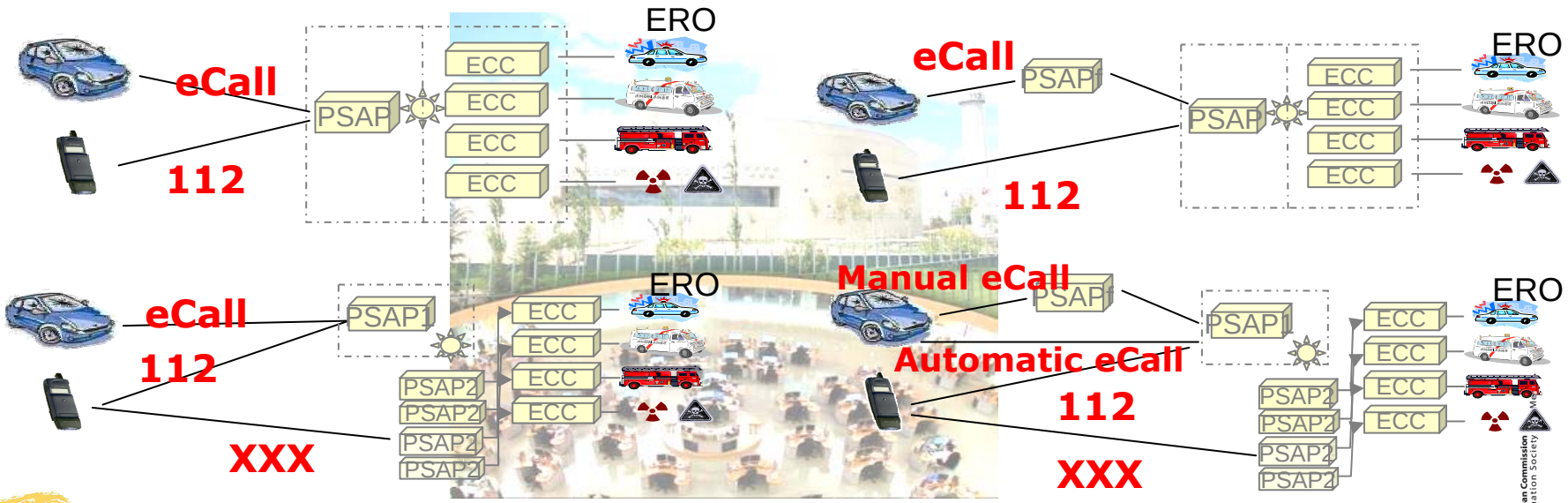
COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS

'eCall: Time for Deployment'

Objective 1.4: Support to eCall implementation based on 112

Conditions and characteristics (1)

- *Upgrade their PSAPs infrastructure, to handle the 112 emergency call in combination with a pan-European eCall*
- Use of eCall flag to design the PSAPs in the way best suited to national/local specificities



Objective 1.4: Support to eCall implementation based on 112

<u>*Conditions and characteristics*</u> (2)

- *The pilot should include the necessary number of vehicles equipped with eCall and should address:*
  - The implementation of the eCall discriminator ("eCall flag") in the Mobile Network Operators
  - Transmission of the eCalls to the most appropriate PSAP
  - PSAPs upgrade to receive and process eCall information
  - Transmission of the information from the PSAPs to the Traffic Management Centres
  - Integration of other services within the eCall platform
  - Other issues to ensure interoperability of pan-European solution, (e.g.:Testing facilities; Interface with EUCARIS

Objective 1.4: Support to eCall implementation based on 112

Conditions and characteristics (3)

- *Use of common European standards*
  http://ec.europa.eu/information_society/activities/esafety/ecallstandards
- Commitment to plan for long term deployment and sustainability of the eCall service beyond the pilot phase
- Build on the work of the
  "European*eCall* Implementation Platform"

- Proposals should include specific and realistic quantified indicators to monitor progress at different stages in the project life

Objective 1.4: Support to eCall implementation based on 112

Funding instruments

- Pilot Type A
- 5 M€ of EU contribution
- Accelerating the deployment of the pan-European eCall service

Expected impact

- Accelerating the deployment other ICT based public & private services and applications supported by the eCall telematics platform
  - such as electronic tolling systems, hazardous goods tracking, etc
- Reinforcing consensus and partnerships among the stakeholders to support the roll-out of these priority services across Europe

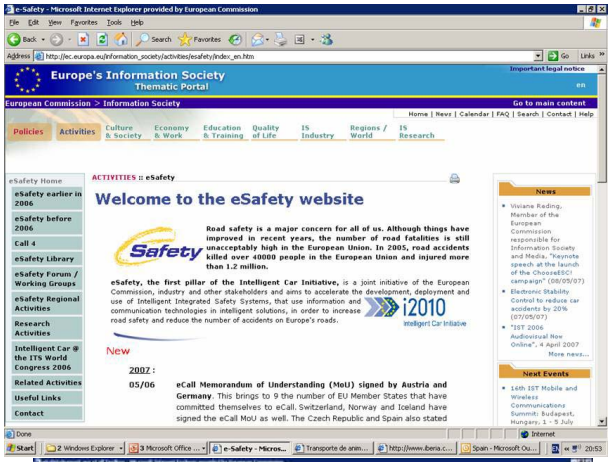
Objectives 1.3 & 1.4
More information

eSafety Website:
http://ec.europa.eu/information_society/activities/esafety/ecall/index_en.htm

eCall standards
http://ec.europa.eu/information_society/activities/esafety/ecallstandards/

eSafetySupport website **(eCall Toolbox)**
www.eSafetySupport.org

COMeSafety
www.comesafety.org



Thanks for your attention

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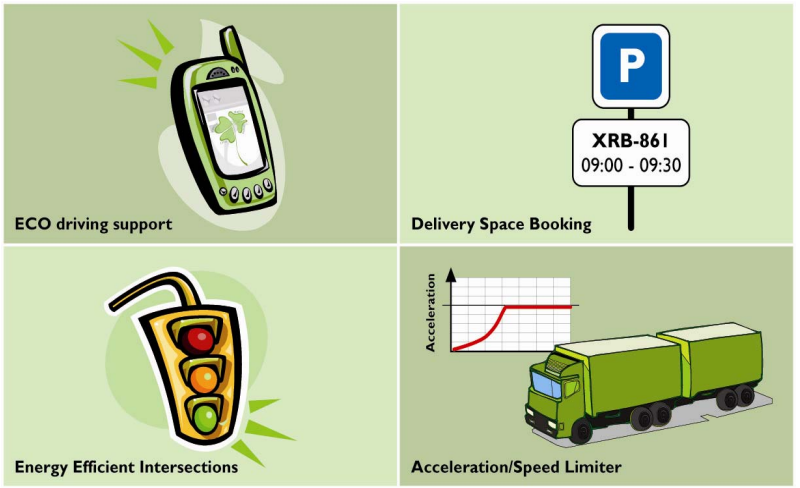
More information: FREILOT
www.freilot.eu

A holistic approach towards energy efficient urban freight

- Reduce fuel consumption by 25%
- Pilot from April 2009 – October 2011
  Bilbao, Helmond, Lyon, Krakow
- Expand the implementation



FREILOT - ENERGY EFFICIENT URBAN FREIGHT

More information : IN-TIME

www.in-time-project.eu

- **Goal: Implementation of a pan-European multimodal Real-Time Travel Information System**
  - **standardised harmonised interface** between operators and service providers
  - Reduction of energy consumption of the single traveller by **changing** his **travel behaviour**

- **Impact:**
  - **modal shift** away from individual traffic:
  - improved customer **acceptance of PT** operation.
  - **reduction of road traffic jams**
  - **improved safety**
  - **higher mobility** of people and goods across different transport modes through the provision of accessible and reliable information services
  - **reducing emissions** through an improved traffic management system.
  - **lowering energy consumption**