



# EuroRAP International Conference 2007

London, 3 December 2007

Directorate-General  
for Energy  
and Transport

## A European Directive on road infrastructure safety management



EUROPEAN  
COMMISSION

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# Road safety policy



**White paper on Transport 2001**



**Road safety action programme 2003**



**Mid term review of Road safety action programme 2006**





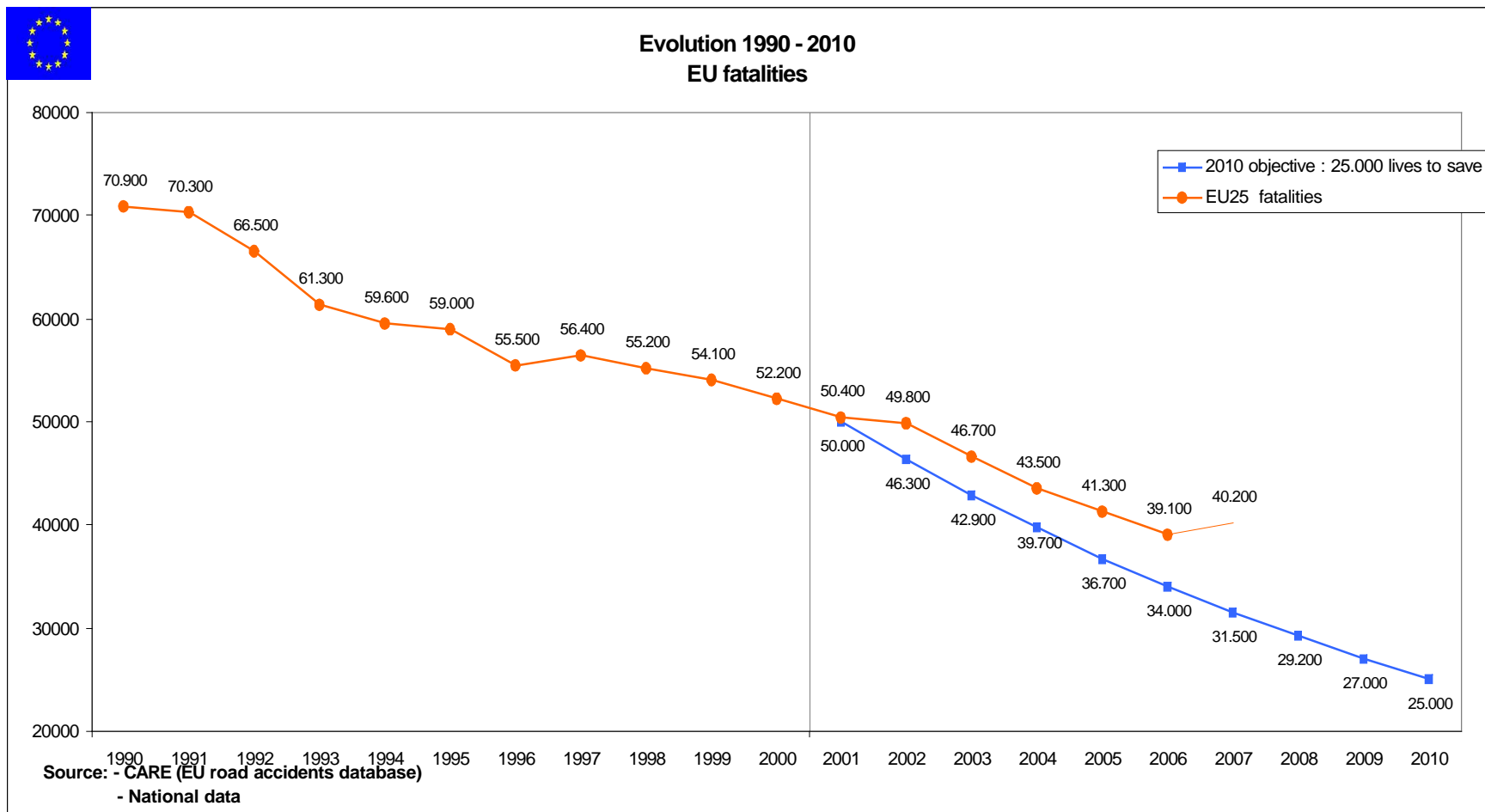
## Reminder...

- **Over the period 2001-2010: -50% road accident victims (global target)**
- **A "shared responsibility"**
- **Integrated approach at the EU level**





# Fatalities - evolution 1990-2010





## Main causes of fatalities

- **Speeding** : **11 000 / year**
- **Alcohol** : **10 000 / year**
- **No seat belts** : **10 000 / year**
  
- **Pedestrians** : **2 000 / year**
- **“Saturday Night Fever”** : **2 000 / year**  
(pop aged 18-25 on week-end nights)





## **Focus on Road infrastructure: Today's main problems**

- **Decreasing budgets for road infrastructures vs. more attention to the level of safety of roads**
- **Inability of “old” roads to absorb the increasing traffic**
- **“High risk road sections” (even on modern roads!)**
- **Various levels of responsibility within each Member State (inefficient organisation)**
- **Heterogeneous signs, signals, road markings, road side features (even in a single Country!)**





# Infrastructure Safety?





# Infrastructure Safety?





# Infrastructure Safety?





## Road Infrastructure Safety Management: Objectives

- To bring about a common high level of safety of roads in all EU Member States
- To ensure that safety is integrated in all phases of planning, design and operation of road infrastructure
- To use the limited funds for more efficient construction and maintenance of roads





## Focus on Road Infrastructure: A coherent package of measures

- Regulatory actions necessary on:
  - **Safety Impact Assessment** (new roads - pre-design phase)
  - **Safety Audits** (new roads - design, construction & early operational phases)
  - **Network Safety Management** - management of “High accident concentration sections” (existing roads)
  - **Safety Inspections** (existing roads)
- Package of measures recommended by the High Level Group on Road Safety





## Focus on Road Infrastructure: A coherent package of measures

- The Directive instrument would not impose a harmonisation of the methods. Member States having these procedures already would not be required to change their practices
- The procedures are internationally recognised as best practices and their effectiveness is demonstrated by solid costs/benefits analyses.
- Positive comments on this proposal came from several international organisations, often having different interests: FIA, ERF, ACEA, FEMA, CEDR, etc.





# Diffusion of the procedures in the Member States

- A High Level Expert Meeting on “Infrastructure Safety” was organised in Vienna on 24-25 January 2006
- The table summarises in which of the 25 Member States the instruments are already in use

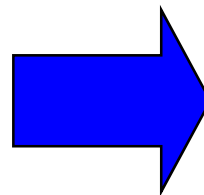
Road Safety Impact Assessment	AT	BE	CY	CZ	DE
	DK	EE	EL	ES	FI
	FR	HU	IE	IT	LT
	LU	LV	MT	NL	PL
	PT	SE	SI	SK	UK
Road Safety Audits	AT	BE	CY	CZ	DE
	DK	EE	EL	ES	FI
	FR	HU	IE	IT	LT
	LU	LV	MT	NL	PL
	PT	SE	SI	SK	UK
Network Safety + High-Risk Road Section Management	AT	BE	CY	CZ	DE
	DK	EE	EL	ES	FI
	FR	HU	IE	IT	LT
	LU	LV	MT	NL	PL
	PT	SE	SI	SK	UK
Road Safety Inspections	AT	BE	CY	CZ	DE
	DK	EE	EL	ES	FI
	FR	HU	IE	IT	LT
	LU	LV	MT	NL	PL
	PT	SE	SI	SK	UK





# Road infrastructure safety management

## Remedial measures



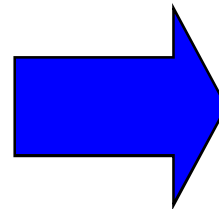
**Protected light columns**





# Road infrastructure safety management

## Remedial measures



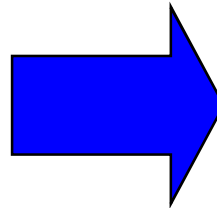
**Safe and effective safety barriers transition**





# Road infrastructure safety management

## Remedial measures



**Safety zone before unprotected rock**





## Direct Impacts on Safety

- **600 fatalities and 7000 injury accidents** per year if applied on TEN roads \*
- **1.300 fatalities** per year could be saved if the safety management would be applied to the main road network in the EU \*
- According to the monetary estimations of the White Paper, this corresponds to **5 billions €** per year

\* Font: Thematic network ROSEBUD





## State of the dossier at Council

- **Several Land Transport Working Parties were organised by the FI, DE and PT Presidencies**
- **An Expert Meeting was organised in March 2007 to review the Annexes. Experts from 19 MS were present**
- **The text has been revised and in some cases lightened, without loosing any of the instruments**
- **On 2 October 2007 a general approach approved at unanimity has been reached by the TTE Council**





## State of the dossier at Parliament

- **The rapporteur Mr Helmut Markov MEP (GUE - NG) produced a report that made the directive more constrictive**
- **On 5 June 2007 the TRAN Committee approved the amendment to withdraw the Commission's proposal (19 in favour, 18 against). However, on 9 July 2007, the plenary of the Parliament referred the report back to the TRAN Committee before voting it**
- **Mr Markov was reappointed rapporteur and produced a «lighter» report, taking into account the progresses made by Council**





## Thematic networks funded by EC in the field of Infrastructure Safety

- **RIPCORDER/ISEREST – Road Infrastructure Safety Protection**  
[www.ripcord-iserest.com/](http://www.ripcord-iserest.com/)
- **RANKERS – Ranking for European Road Safety**  
[www.rankers-project.com/](http://www.rankers-project.com/)
- **IN-SAFETY – Infrastructure and Safety**  
[www.insafety-eu.org/](http://www.insafety-eu.org/)
- **EuroRAP II – European Road Assessment Programme**  
[www.eurorap.org](http://www.eurorap.org)
- **RISER – Roadside Infrastructure for Safer Roads**  
[www.riser-project.com/](http://www.riser-project.com/)





## Thematic networks funded by EC in the field of Infrastructure Safety

- **ROSEBUD – Road Safety and Environmental Benefit-Cost and Cost-Effectiveness Analysis for Use in Decision-Making**  
[partnet.vtt.fi/rosebud/](http://partnet.vtt.fi/rosebud/)
- **FORMAT – Fully Optimised Road Maintenance**  
[www.rws.nl/rws/dww/home/format/](http://www.rws.nl/rws/dww/home/format/)
- **EURO AUDITS – European Road Safety Auditor Training Syllabus**
- **IASP – Identification of Hazard Location and Ranking of Measures to Improve Safety**
- **IMPROVER – Impact Assessment of Safety Measures for Vehicles and Road Equipment**





## Websites on Europa <http://ec.europa.eu/...>

- **Commission transport website**  
... [transport/index\\_en.html](#)
- **Road safety section**  
... [transport/roadsafety/index\\_en.htm](#)
- **CARE (the EU road accident data base)**  
... [transport/care/index\\_en.htm](#)
- **Charter**  
... [transport/roadsafety/charter.htm](#)





***Thank you for your attention!***