









Safety report in the last decade Network of ASECAP members

Austria	2002-2008	-47%
France	2002-2008	-49%
Italy	2002-2008	-48%
Portugal	2004-2009	-21%
Spain	2000-2009	-62%

In the target of the European objective: -50% 2000>2010 Motorway 5 time safer compared to other network(Fr)







Restricted users



Motorway equipment : prevention of accident , reduction of severity





Action on the infrastructures and equipments according to concession contract

- maintenance services and procedures to preserve and maintain every motorway element in highperformance condition.
- renovating and resurfacing their roadways
- audits and "inspections" by "Owner" Entities and granting Bodies, in order to verify the respect of appropriate standards of service
- Road safety Infrastructure management Directive (2008/96/EC)



The challenge in the future

- > To optimize the infrastructure
- > To face an increase of Traffic (+ 30-50%)
- To face the objective of zero accident(number of fatalities /2 in next 15 years)
- > To face the objective of zero congestion
- > To face a target reduction of CO2 emission

Intelligent Transport Systems, a tool for this new challenge: draft ITS Directive



Priorities and action of the motorway companies to improve infrastructures and equipments

Supervising the network and acting

- Improve the equipment performance to detect event and act in real time
- Automatic incident detection (less than 20")



 Immediat alert to the emergency services
 Real time traffic information to the driver through motorway radio & variable message signs





ITS Deployment at european level with Easyway – 3 phases in 2007-2013

Nearly all member states:

- Traveller information services
- Freight and logistic services
- Traffic management services
- Supported by monitoring
- (including data exchange between TCC)
- + European guidelines





Example of ITS application in EW: speed regulation A7 motorway

- Traffic regulation to optimize the traffic flow
 Speed limitation regulation (110, 90, 70 Km/h)
 - ≺esults →Very good acceptation by the drivers
 - ⇒Diminution of 25% up to 50% of accident number
 - ->Diminution of 20 % up 30% of congestion

500 tonnes of CO2 saved during summer 2009



Example of ITS application: in-car speed limit information

- ≻Permanent speed limit
- ➤Support to automatic enforcement
- ≻Temporary speed limit (real time)
- ≻Safety of users and workers in work zone
- Dynamic speed limit (real time)
- ➤Support to speed regulation



130

9Ć

Actions towards the drivers

Example: ASFA carries out an analysis of the factors causing fatal accidents – european safety charter

chanter		
Fatigue and drowsiness	1 accident out of 3	
Excessive Speed	1 accident out of 6	
Alcohol, drugs, medicines	1 case out of 4	
pedestrians	1 accident out of 9	
Under-inflated tyres	1 case out of 20	
Over accidents	1 accident out of 7	
Not wearing a seat belt	1 deaths out of 3	

TSECAP Progue 2010

Action towards the drivers

In depth Study to better understand drowsiness and fatigue

(ASFA –Medical University of Bordeaux)
 5000 phone calls et 35000 internet

⇒28 % of drivers declare having faced drowsiness at the wheel ⇒4% of drivers had near-miss driving accident (enter the hard shoulder).

TSECAP

Safety campaign in 2009

In pursuit of their commitment to safety, the motorway companies are developing prevention campaigns



TSECAP

25 000

Action towards the drivers

Accompanying drivers throughout their trip Provide possibility to stop on a regular basis service areas

rest areas







25 000

Thank you for your attention

