

# European Risk Management Perspective Legislation

## *Vehicle technologies that mitigate risk*

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European Transport Safety Council

# OUR MEMBERS



# OUR WORK



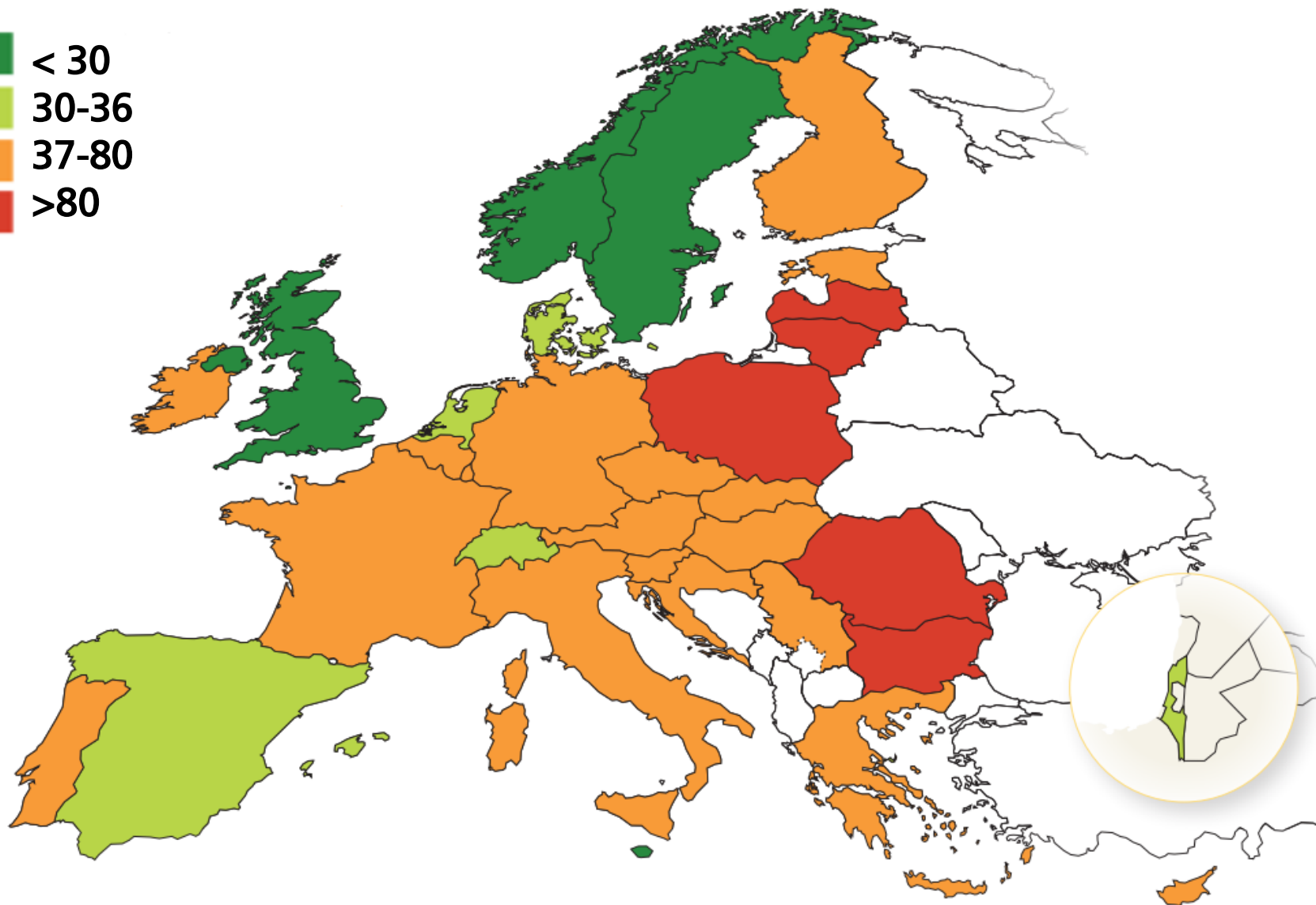
# 25,845

people died in road traffic in the  
EU in 2014

-0.6%

Worst reduction  
in deaths since  
2001

# Road deaths per million inhabitants in 2014



# 203,500\*

seriously injured in road traffic  
in the EU in 2014

\*Data from police records in 23 EU countries

+2.6%  
increase in  
serious injuries







**PRAISE : Advancing knowledge on the need for work-related road safety management.**



European Transport Safety Council



# ROAD SAFETY AT WORK IN THE EU

6 of 10 work accidents resulting in death are road crashes



# THE PRAISE PROJECT

- Thematic Reports
- Case Studies
- Awards
- Country Seminars
- Annual events
- Advocacy



# THE BUSINESS CASE FOR MANAGING ROAD RISK AT WORK



## **Investment-based business case**

- What's it going to take to do it?
- How will it help improve safety and business performance?

# THE THREE MAIN KILLERS ON EU ROADS

## ☠ Inappropriate or excessive **speed**

More than **2,200** road deaths could be prevented each year if average speeds dropped by 'only' **1km/h** on all roads across the EU.



## ☠ Driving under the influence of **alcohol**

At least **7,500** deaths could have been prevented if all drivers involved in accidents and reported to be driving over the limit had been sober.

## ☠ Failure to wear **seat belts**

Around **12,400** car occupants survived serious crashes in 2009 because they wore a seat belt.

# PROFESSIONAL TRANSPORT FATIGUE RESEARCH

- Driver fatigue a significant factor in **20%** of commercial road transport crashes;
- Fatigue **main cause in 6% of collisions**, **37%** of these were fatal.
- International truck drivers said they were tired behind the wheel and reported falling asleep more than car drivers (**23% vs 10%**)



# Risk Assessment: The Starting Point

*“A planned and systematic process of identifying, assessing, monitoring, and controlling risk which adds value to the business.”*

**Understand nature of the risk**

**List all causes of road incidents & injury -excessive speed, alcohol**

**And, Why they happen.**

# How can In-vehicle Safety Equipment improve road safety at work?

## Health Warning

- Road risk varies from one organisation to another
- In-vehicle technology can be part of the solution
- No “one-size” fits all solution



# **PRIORITIES**

- **Speed**
  - **Intelligent Speed Assistance (ISA)**
- **Seat Belt Use**
  - **Seat belt reminders for all passenger seats**
- **Drink Driving**
  - **Alcohol interlocks on professional vehicles and a standard interface for all vehicles**

# WHAT IS ISA?

ISA can advise drivers of speed limits using a GPS database combined with cameras that read road signs.

The information is communicated in 3 ways:

- 1. informing the driver of the limit (advisory ISA),**
- 2. warning them when they are driving faster than the limit (warning ISA)**
- 3. or actively aiding the driver to keep to the limit (assisting ISA).**

# WHY ISA?

- Advisory ISA can achieve an **18%** reduction in fatal accidents.
- Assisting ISA can achieve a **37%** reduction in fatal accidents.



**EU should introduce overridable, assisting ISA on all new vehicles as part of the General Safety Regulation review.**

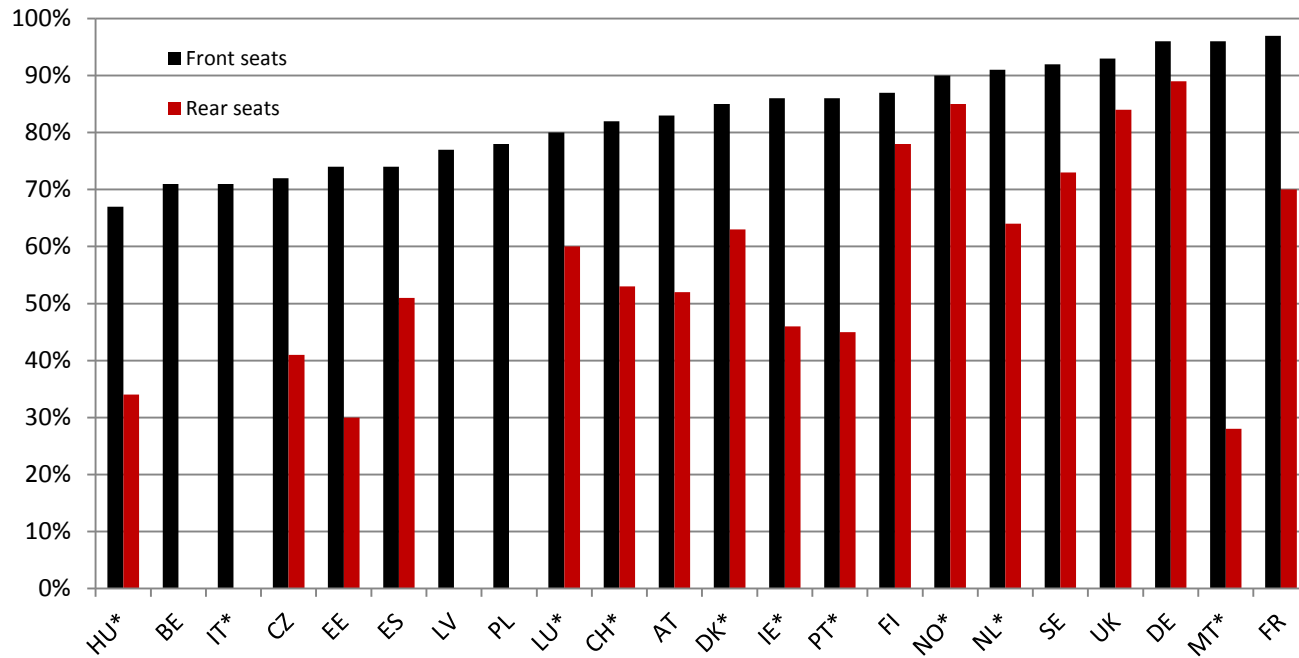
# ALCOHOL INTERLOCKS

- Increasingly used across Europe for professional drivers and in rehabilitation programmes.
- Reoffending rates in Finland reduced from 30% to 6% with use of interlocks.
- Already compulsory on school buses in France and Finland. 100,000 in use in Sweden.

**Should be mandatory for professional vehicles and all cars should have a standard interface to enable use when needed.**



# SEAT BELT REMINDERS



- **Seat belts are mandatory on all seats. But reminder alerts only on driver seat.**
- **Wearing rates vary greatly across Europe especially between front and rear seats and in urban and rural areas.**

**Seat belt reminders should be fitted on all front and rear seats. Could save 900 lives a year.**



# Recommendations to Employers

## **Get started:**

- **Undertake a risk assessment and draw up a road safety action plan**
- **Include in-vehicle technologies as part of the solution**

- **Purchase safe vehicles**
- **Involve employees**
- **Work with third parties: select like-minded contractors, influence vehicle manufacturers**

# Recommendations at National Level

- **Be the market:** safety equipment specified in public procurement
- **Disseminate information:** support employers to carry out risk assessments.
- **Deploy financial incentives:** employers to use in-vehicle safety equipment



# EU - Fit Safety as Standard

- **Public procurement:** adapt EU directive to include in-vehicle safety technologies
- **Seat belt reminders:** ensure every new vehicle has a system for all occupants
- **Speed management:** introduce overridable, assisting ISA on all new vehicles
- **Alcohol interlocks:** mandatory for professional vehicles and all cars should have a standard interface





# PRAISE Award – Still time to apply!

- Annual Award to employers (SME and larger, public authority) for outstanding contribution in the field of work related road safety.



- Recognition of efforts
- Press coverage
- Exchange of best practice with other companies at an event in Brussels
- New business opportunities
- Employee satisfaction



# **PRAISE Events: 2015**



## **Country Seminars**

**- Spain 02 October 2015**

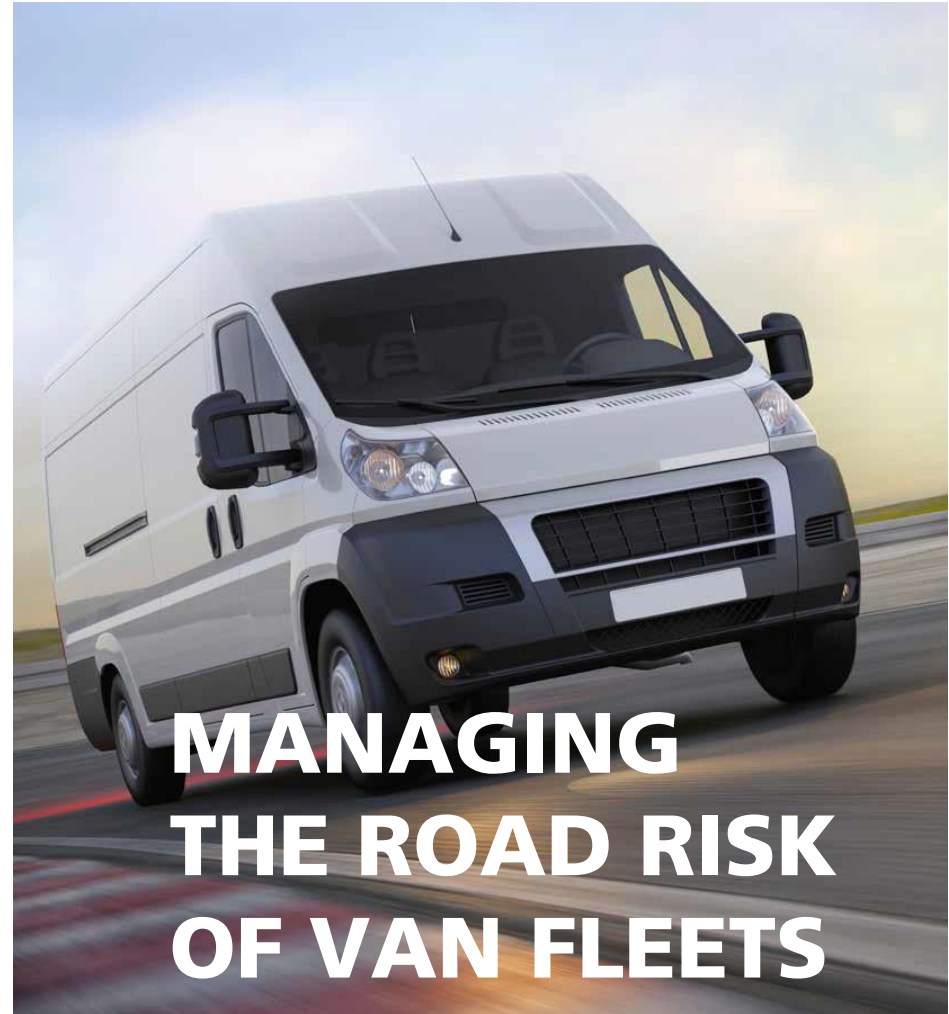
## **PRAISE Conference Brussels Award and Launch of Reports**

**- 20 October 2015**



# Vans and Van Drivers

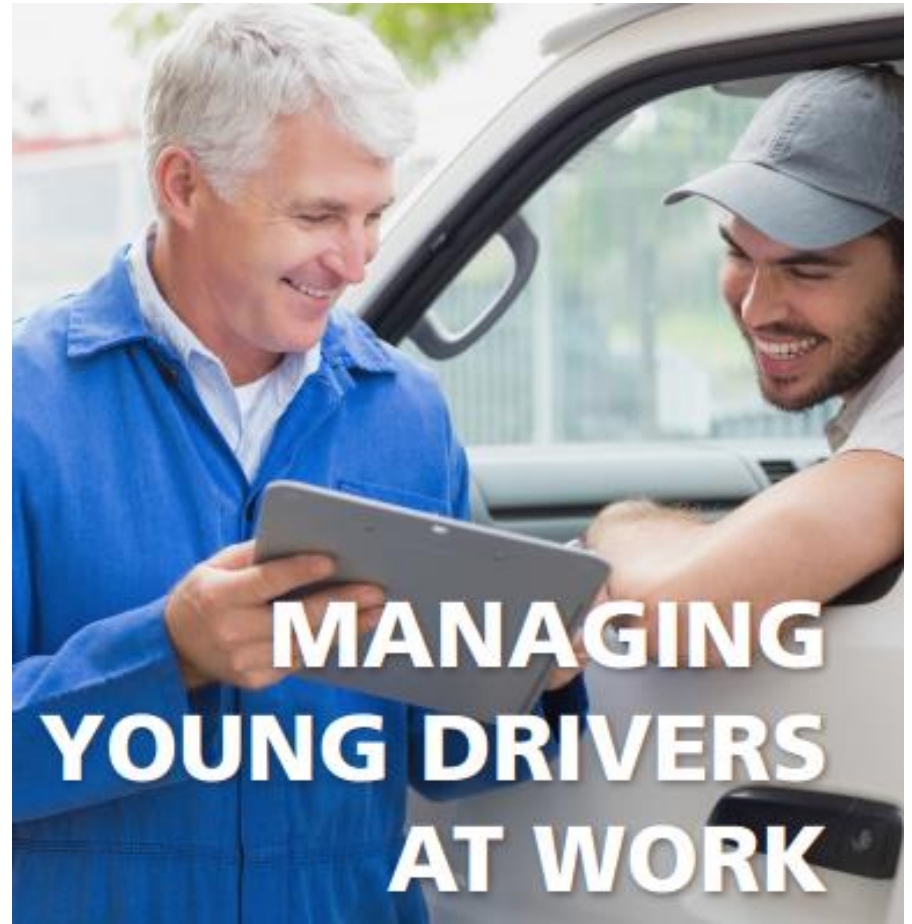
- Van use in Europe is on the increase, particularly following a rise in the home delivery sector
- Less than 3.5 tons vans are not subject to the same legal scrutiny as heavy goods vehicles





# Young Drivers at the workplace

- young and novice driver risk result principally from factors of **inexperience, age, and gender**
- the incident rate of young workers (18 - 24) in land transport field is **41%** higher than for older workers (Eurostat 2014)



# Thank you for your attention!

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