

MANAGING THE ROAD RISK OF VAN FLEETS

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

Contributing Experts
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**Jacqueline Lacroix – German Road Safety
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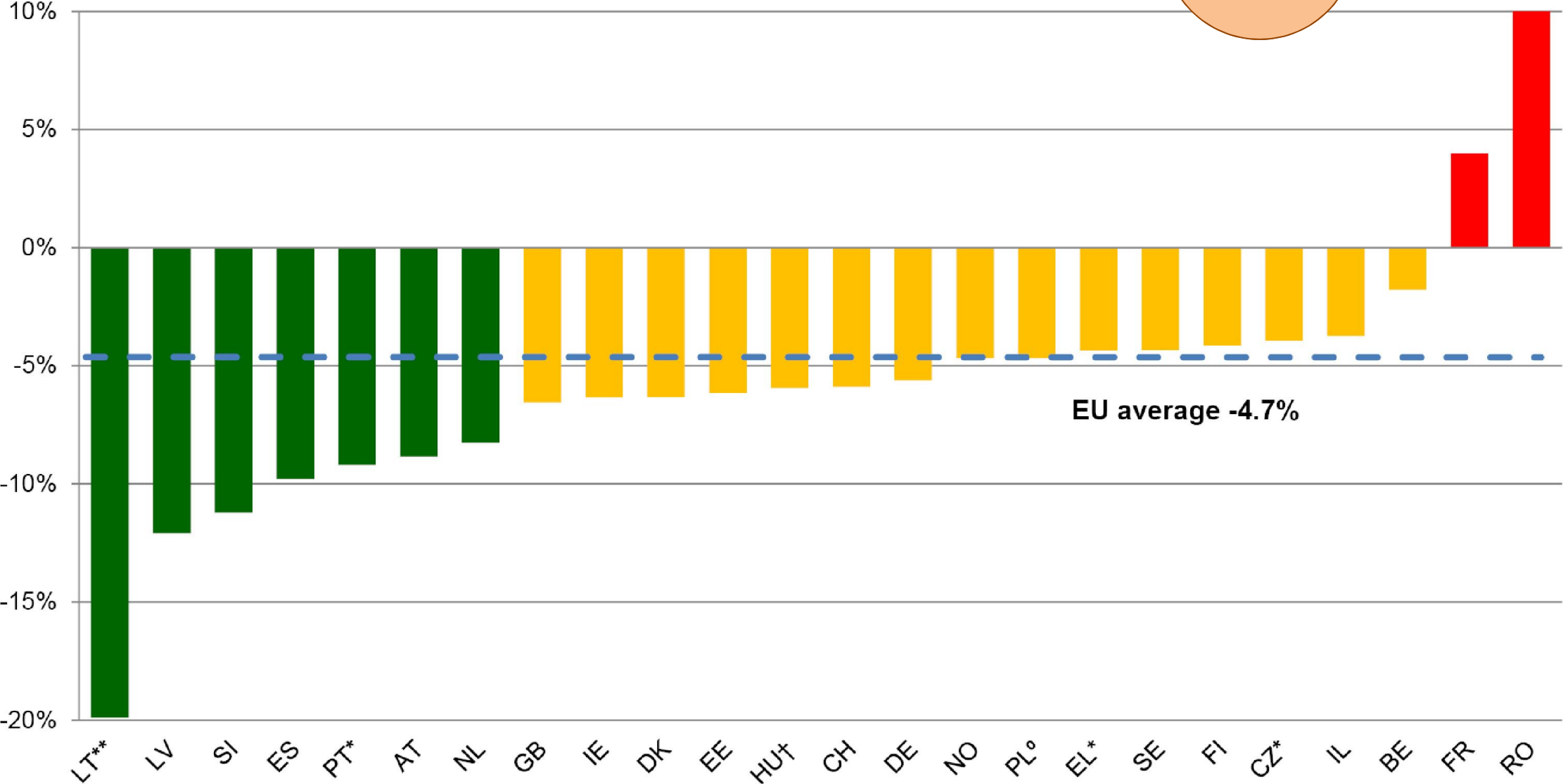
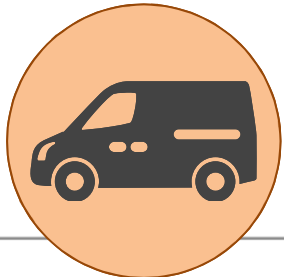
**Deirdre Sinnott - Health & Safety Authority
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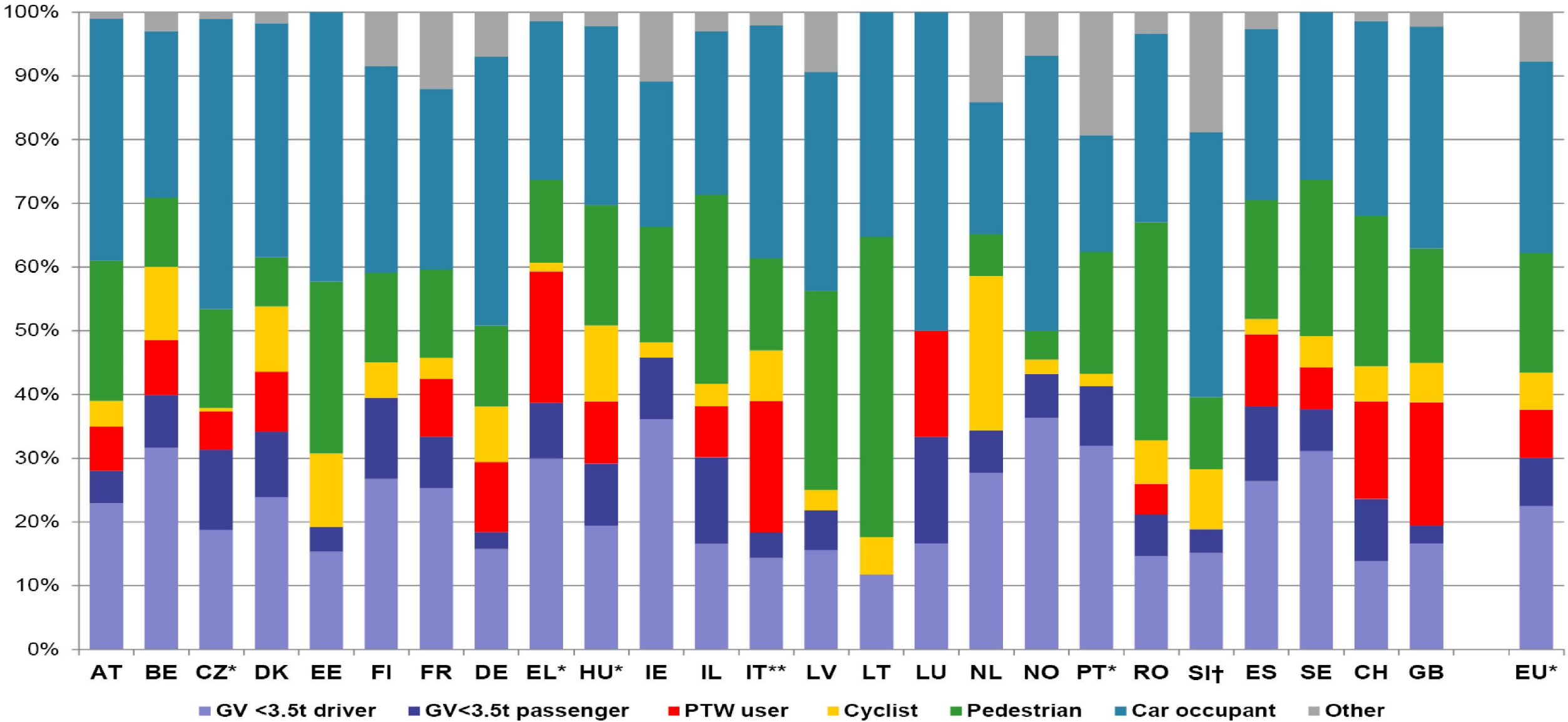
OVERVIEW

- What's the problem with Van Fleet
- Safety Record of vans
- The business case for safer van transport
- Legal framework
- Safer Drivers
- Safer Vehicles
- Safer Journeys
- Killer Behaviours - Specific Risks
- ETSC Recommendations

Van Collision profile across EU 2001 to 2011



Van Collision road user profile 2009 to 2011



3,999

deaths on Europes roads in
collisions involving vans 2012

19% of van related deaths are
pedestrians

NIGHT AND SHIFT WORK

A large white truck with a flatbed trailer is the central focus, parked in an industrial or construction area. The truck has a prominent orange light bar on its roof. In the background, a green truck is visible, and the sky is overcast. The overall scene suggests a busy work environment.

- Workers in the transport sector seem to work shifts more than the average European worker.

OVERALL COSTS [EU-OSHA]

Productivity

- loss of output or production
 - Missed orders
 - Product replacement

Healthcare

- Emergency response
- medical costs,
 - direct (drugs, medicine, treatment)
 - indirect (caregiver time).

Quality of life losses

- monetary valuation of the loss of quality of life, such as physical pain and suffering.
- €2.5 million per individual [IE]

Administration

- For business and government
 - applying for social security payments
 - reporting on a workplace accident
 - investigations

Insurance

- compensation payments
 - insurance premiums
 - Insurance claims

HUMAN COST

Workers & family

- Affected individual
- Colleagues
- Close family
- Friends

Employers

- Co-workers
- Company
- Customers

Government

- Emergency services
- Public authority
- Social security
- Injury compensation fund
- Disability benefit

Society

- Overall impact of injury or illness
- Collective failures
- Loss of individual contribution

THE BUSINESS CASE FOR MANAGING WORK RELATED ROAD RISK



ETHICAL (CSR)
LEGAL
ECONOMIC

Investment-based business case

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

- Less harm to workers
- reduced absenteeism
- fewer collisions
- less material damage
- less casualties
- enhanced motivation
- improved productivity

EU Legal Imperative

89/391/EEC

[Health & Safety Framework Directive]

Safety Health and Welfare at Work Act 2005

Employer duty of care

Employee
duty of care

Safe
place of
work

Safe
systems
of work

Risk
assessment
Principles
of
prevention

Policy
Procedures

Instruction
Information
Training

Safe work
equipment

Cooperation

Employer duty of care

Manage the risks which employees face and create for themselves and others, while using vehicles for work,
within the framework which they should already have in place, for managing all other aspects of safety, health and welfare at work



Van Drivers Legislative Measures

- measures that improve competence (knowledge and skills)
- measures that increase task capability (the degree of fitness to drive)
- measures that enhance task readiness (the willingness to drive safely)



EU LEGISLATION

Vans heavier than 3.5 tonnes

Driver Hours

Regulation 561/2006/EC

Working Time

Directive 2002/15/EC

Driver CPC

Directive 2003/59/EC

Speed Limiters

Directive 92/24/ECE

Roadworthiness Legislation

4 year checks

Technical roadside inspections

Vehicle Type Approval

Regulation 678/2011

Criteria on loading space distinguishes passenger cars from van

Intelligent Speed Assistance

Regulation 678/2011

Criteria on loading space distinguishes passenger cars from van

Van Fleet 'Fit for Purpose ?

- Cost
- Roadworthiness
- Load Securing
 - Load separation
 - Load compartment
 - Vehicle stability
 - Vehicle overloading
- Safety
- EuroNCAP
- Vehicle criteria
 - Age
 - mileage
 - Emissions

Passive Safety

- Seat belt reminders
- Airbags
- Pedestrian protection
- Event Data Recorders
- Telematics

Active Safety

- ISA (Intelligent Speed Assistance)
- Crash avoidance: detection, warning and automatic braking systems
- Blind spot monitoring
- Reversing auxilliary devices
- Alcohol interlocks

Information, instruction & training

Drivers

- Outline company policy
- Outline risk factors
- Expected behaviours
- Fitness to Drive
- Duties and responsibilities
 - Driving
 - Vehicle pre-checks
 - Defect reporting
- Emergency action in event of collision
- Emergency action in event of breakdown
- Emergency action in event of fire
- Required Personal Protective Equipment [PPE]



JUST-IN-TIME MANAGEMENT



Killer Behaviours

Intoxicants

- Alcohol
- Illicit drugs
- medication



Inappropriate speed



Killer Behaviours

Fatigue



Distraction



WORKPLACE HEALTH PROMOTION

'A conversation about Driver Health & Well being'

- Health Screening
- Health Risk factors for drivers
- Driver ergonomics
- Healthy eating
- Exercise

- Bullying
- Stress
- Fatigue
- Lifestyle
- Eyesight
- Obesity
- Sleep apnoea

ETSC RECOMMENDATIONS - EU

- Extend current legislative framework for Working Time, Safety technology, Driver Training and to vans/van drivers
- Define revised vehicle categories with clear guidelines for vans
- Support extension of EuroNCAP to vans
- Extend mandatory use of speed limiters to vans
- Adopt legislation to ensure mandatory minimum safety standards for vans [seat belt reminders, load area, reversing aids, speed management]
- Adapt EU Best practice Guidelines on Cargo Securing for vans
- Develop guidelines for employers on journey management for working drivers
- Propose directive setting zero tolerance for drink driving for working drivers

ETSC RECOMMENDATIONS - Member States

- Set up professional training for van drivers
- Target van drivers with information, education and training.
- Target SMEs.
- Employees' ill-health should be considered as part of risk assessment under Directive 89/391, and Work Place Promotion should be recognised as an efficient tool to combat fatigue.

ETSC RECOMMENDATIONS - Employers

- Incorporate Van Fleet Risk Management as part of SHWW framework
- Include safety criteria in procurement of vehicles
- Set acceptable driving durations and distances with employees
- Focus on 'Fitness to Drive'
- Ensure that current shift patterns, journey planning and employment contracts do not contribute to driver fatigue/stress

Thank You for listening

Full report can be downloaded at:

www.etsc.eu/praise

