



# The Safety Unit

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Head of Safety Unit



# EU transport policy and the railways

## Opening of market for rail transport and supply

- Separation of essential functions
- Access for railway undertakings to infrastructure
- Creation of regulatory bodies in Member States
- Promotion of rail transport through EU funding

## Towards a single European railway area

- Technical harmonisation, mutual acceptance
- From self-regulation to public regulation
- A common approach to safety
- Transparency – publication of rules and by public bodies



# The Architecture of Directive 2004/49

**Ensure that safety is at the very least maintained**

**Harmonising the regulatory structure in Member States**

- Requiring the establishment of a safety authority and an independent investigation body in each Member State
- Obligations of railway undertakings and infrastructure managers to establish safety management systems (SMS)
- Providing for transparency and monitoring of safety

**Defining responsibilities among the actors**

- The main actors are railway undertakings and infrastructure managers, responsible for the safe operation of the railways
- Complementary actor: entity in charge of maintenance (ECM)



# Core objectives and role of the Agency

**Established by Regulation 881/2004 – in place since 2005**

## **Its main objectives:**

- To contribute, on technical matters, to the implementation of EU legislation (Article 1 of the Regulation)
- To oversee the processes related to safety and interoperability and to provide greater impetus to these processes

## **More precisely in the safety field:**

- Elaborate further the secondary legislation (CST, CSM, CSI, etc.)
- Advise and support the Commission in legislative fields
- Monitor the development of safety performance



## **SAFETY ASSESSMENT SECTOR**

**Head of Sector**  
Thierry BREYNE

**Risk Acceptance Criteria**  
Mariya ANTOVA

**Assessment Bodies Requirements**  
Nathalie DUQUENNE

**CSM Guide for Application**  
**CSM for Monitoring**  
Dragan JOVICIC

**CSM for Monitoring**  
Susanne KALLMAN

## **SAFETY CERTIFICATION SECTOR**

**Head of Sector**  
Bart ACCOU

**Safety Maturity Framework**  
Esteban COITO GONZALES

**Migration Strategy**  
Karen DAVIES

**Maintenance Systems**  
**ECM Certification**  
Jean-Marie DECHAMPS

**Database**  
**ECM Certification**  
Eleni DOUVI

**CSM for Conformity Assessment**  
Leo MCDAID

**SMS Guidelines**  
**Train Drivers Licensing**  
Anna PATACCINI

**Project Management Framework**  
Mathieu SCHITTEKATTE

## **SAFETY REGULATION SECTOR**

**Head of Sector**  
Caroline FISCHER

**Validation of National Safety Rules**  
Jan CHRISTENSEN

**Implementation of Safety Directive**  
Julie DINIMANT

**Support to candidate countries**  
Ekaterina GENOVA

**Implementation of Safety Directive**  
Cecilia LIND

**Dangerous Goods Transportation**  
Emmanuel RUFFIN

**National Safety Rules, Communication**  
**Protocol**  
Natalja SKAČENKO

**Safety Legislation**  
Erika TARR

## **SAFETY REPORTING SECTOR**

**Head of Sector**  
Jane RAJAN

**Safety Performance Report**  
**Acting Head of Sector**  
Johan BÄCKMAN

**Support to Investigation Bodies**  
Thomas EDWARDS

**Safety Analysis**  
Vojtech EKSLER

**Safety Performance**  
Kirsi PAJUNEN

**Accident Investigations Database**  
Aleksandra PERKUSZEWSKA

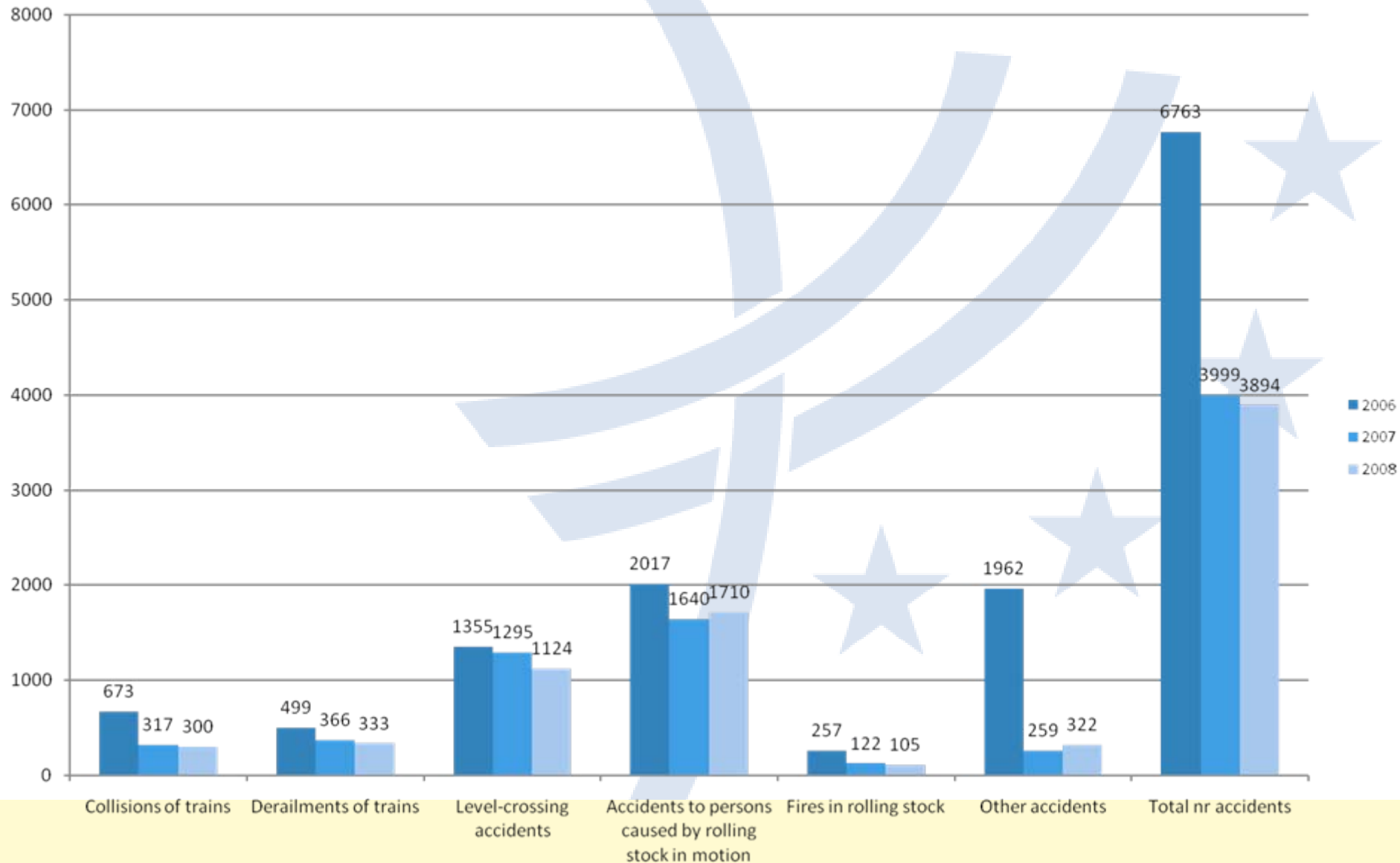
**Support to Investigation Bodies**  
Michael REBENTISCH

**Human Factors**  
Susan REINARTZ

**Support to Investigation Bodies**  
Rob RUMPING

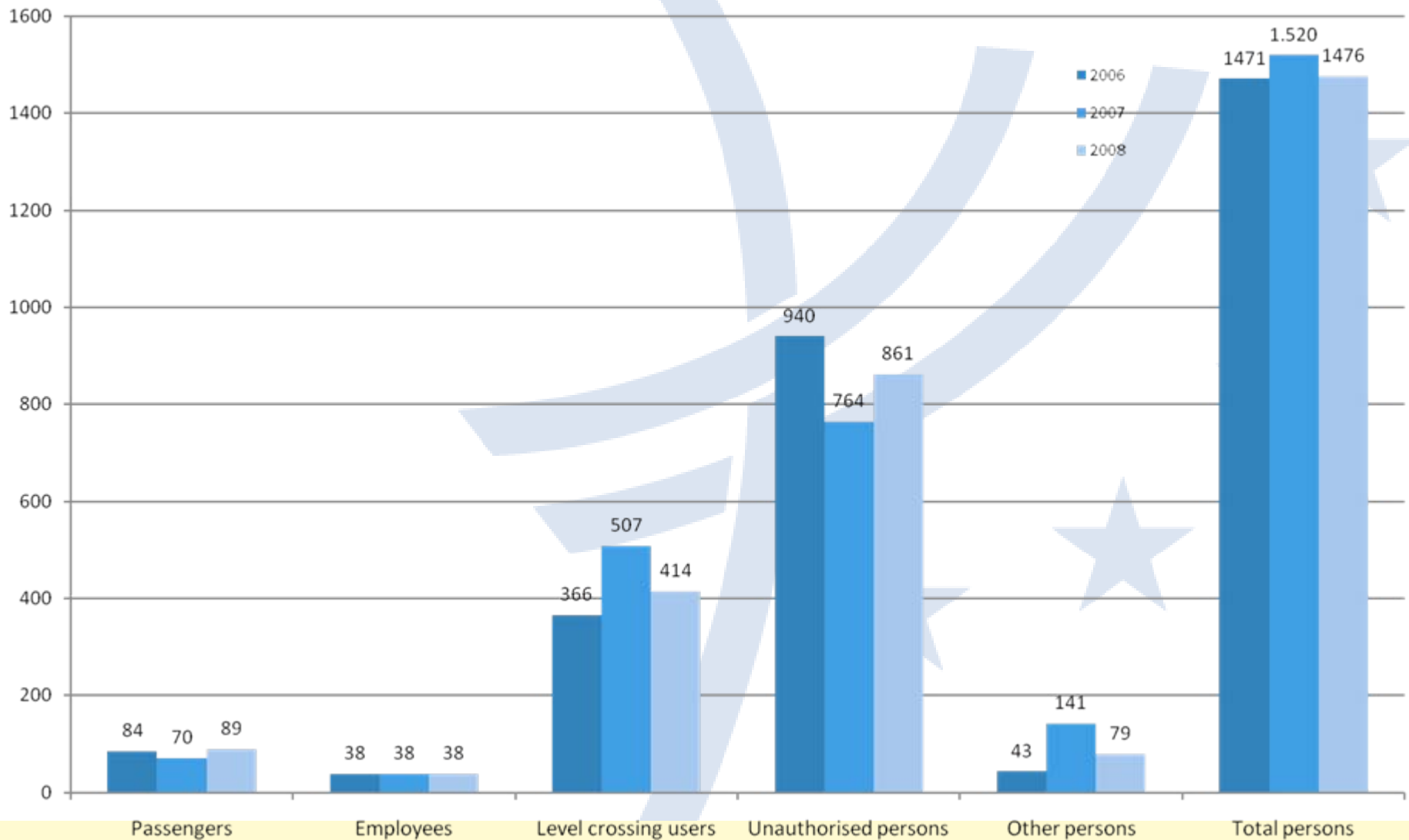


# Number of accidents per type of accident



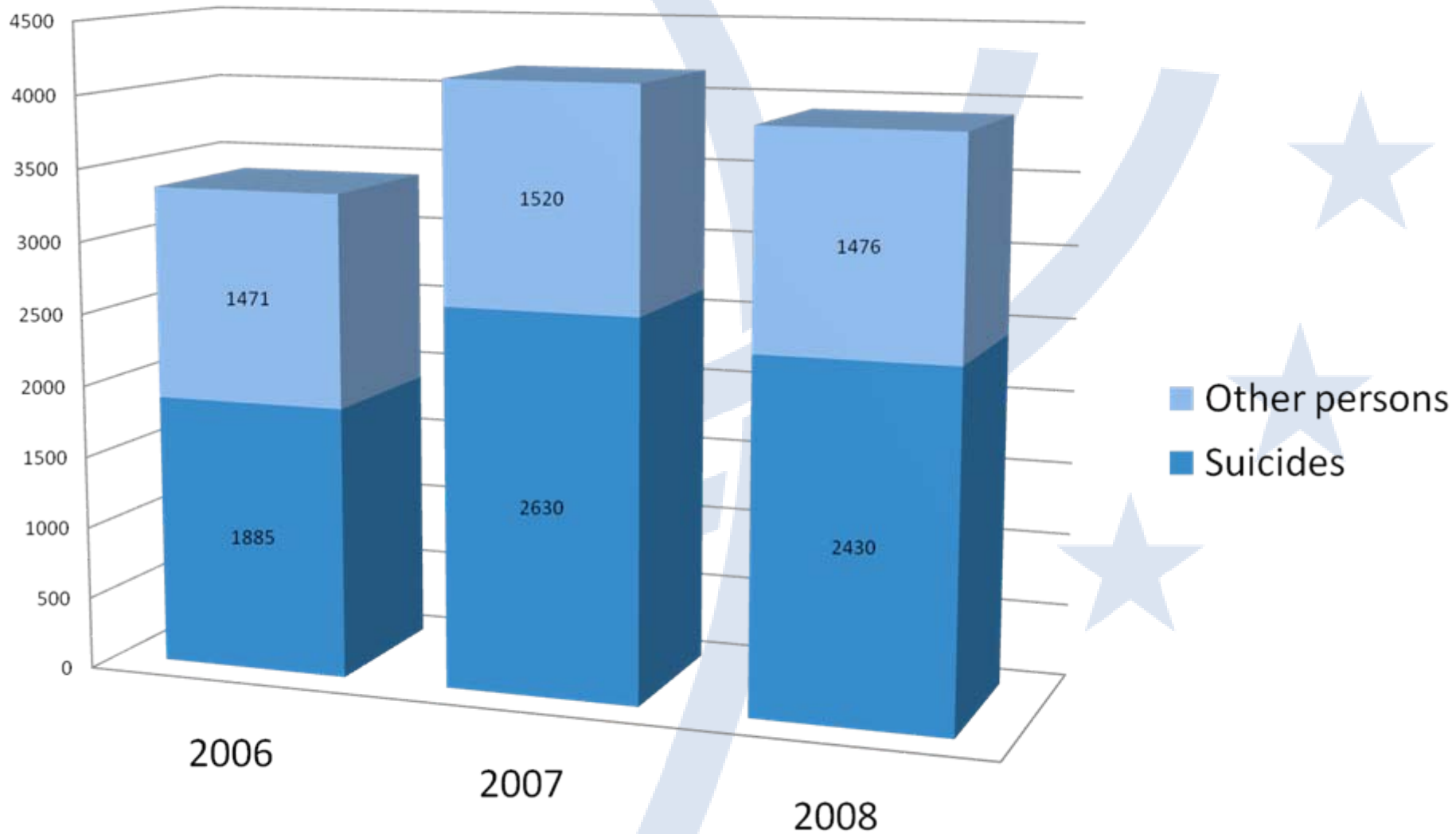


# Number of fatalities





# Suicides

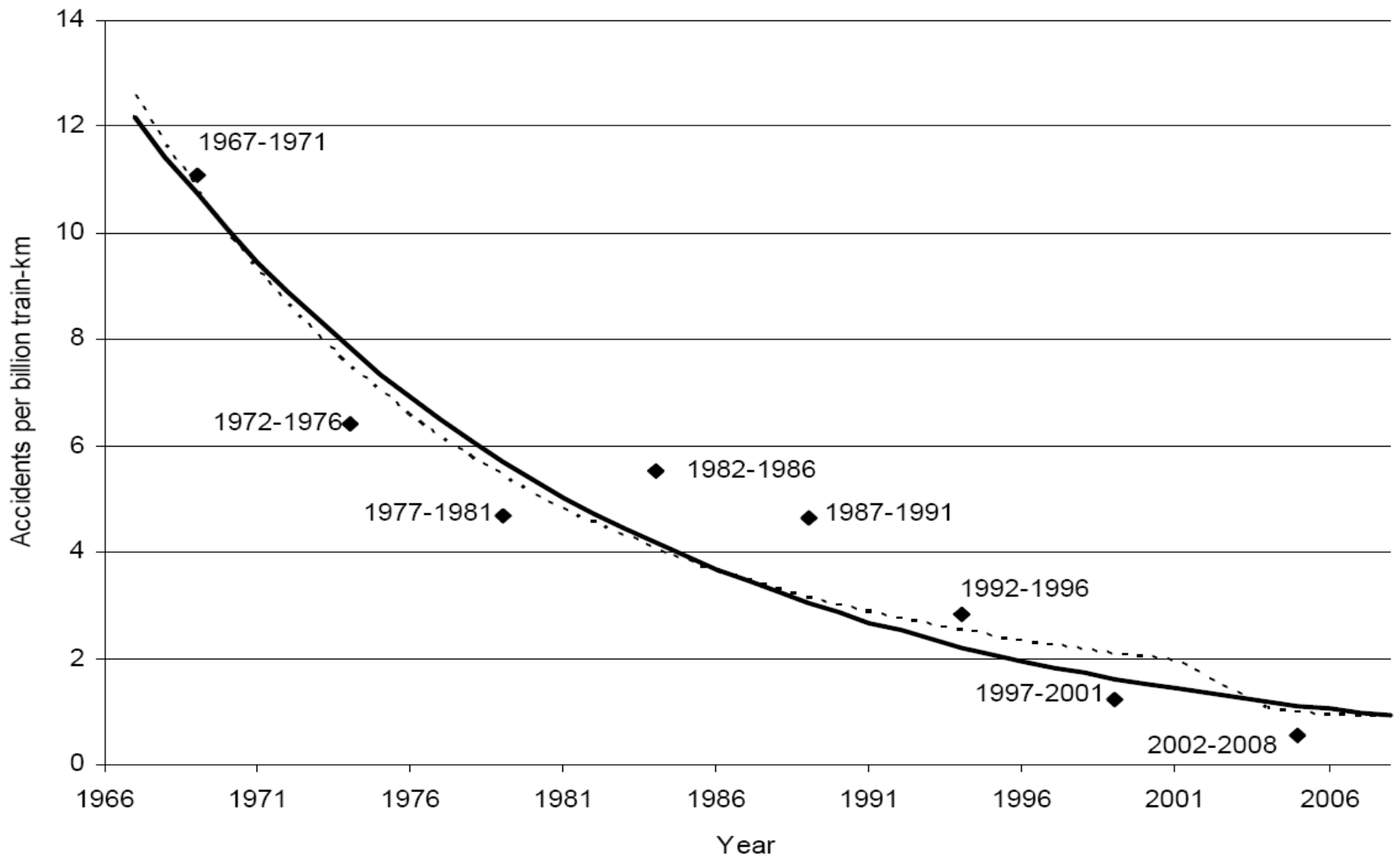






Long term trends (UK figures; source: Prof. A. Evans)

# Fatal train accidents 1967-2008

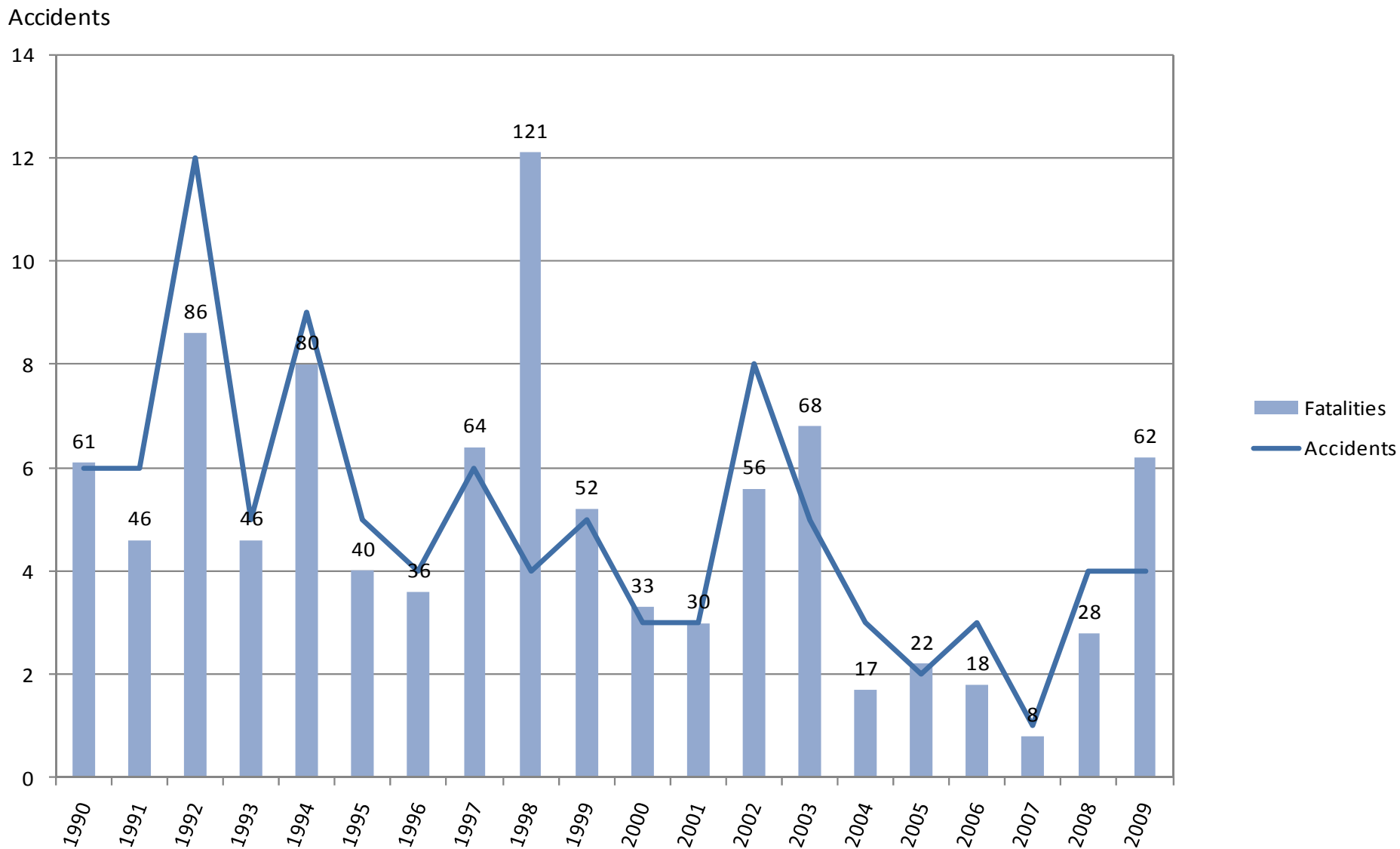




# Long term trends

## Accidents with 5 or more fatalities

### 1990-2009





Viareggio 29/06/2009

# Punctured tank





- **The safety directive makes a difference at European level**
  - The Agency has developed a number of measures that are under implementation (CSI, CSM, CST, certification schemes, etc.)
  - BUT: the regulatory framework must be put in place in Member States and applied consistently
- **The Agency represents a centre of competence for**
  - Exchange of experience and demonstration of good examples
  - Conducting discussions based on facts
  - Understanding of differences in safety culture
  - Collecting and publishing information



**Thank you for your attention  
Questions?**