



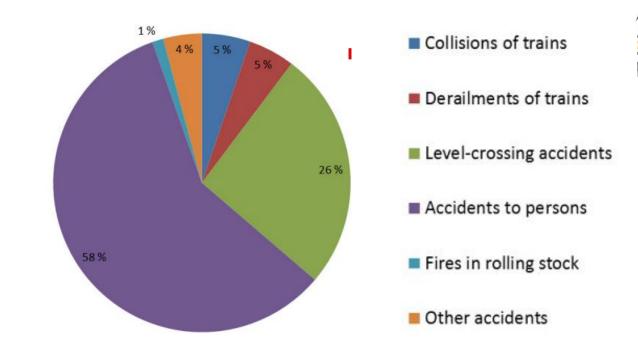
Overview

Marie-Hélène Bonneau

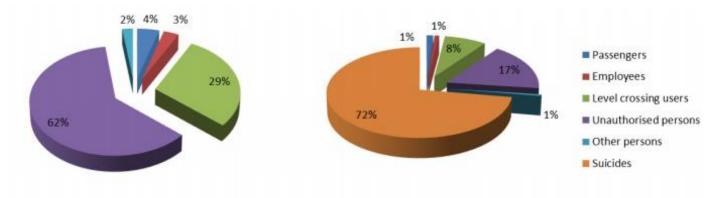


Background

▲ Breakdown of significant accidents (2012-2014) — ERA Figures



▲Relative share of victims per category of persons (2012-2014)- ERA Figures



Fatalities on railways disregarding railway suicides

Fatalities on railways including railway suicides





Objectives

- ▲ Improve safety and minimize risks at and around level crossings (LCs)
 - by developing innovative solutions and tools to detect as early as possible potentially dangerous situations leading to collisions at LCs and to prevent incidents at level crossing
- ▲ Focus both on technical solutions and on human processes
 - to adapt infrastructure design to end-users
 - to enhance coordination and cooperation between different stakeholders from different transportation modes.
- △ Develop a toolbox which will integrate all the project results and solutions to help both rail and road managers to improve safety at level crossings.





Key facts

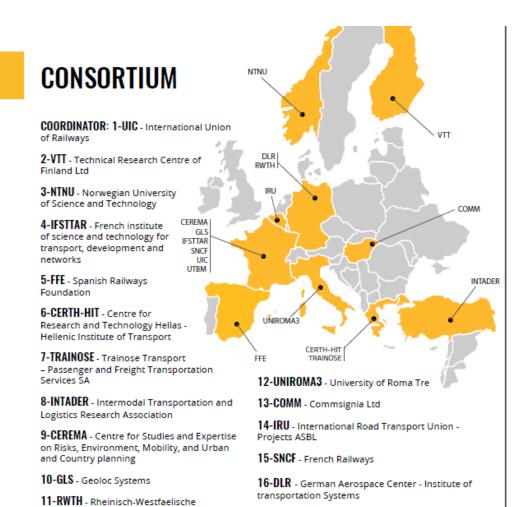
- ▲ Framework: H2020 Call 2016-2017 Mobility for Growth
 - Topic: MG-3.4-2016: Transport infrastructure innovation to increase the transport system safety at modal and intermodal level (including nodes and interchanges)
- ▲ Duration : 3 years
 - 1st May 2017 30 April 2020
- ▲ Budget
 - 4888927€





Consortium

Technische Hochschule Aachen University



Montbéliard

- △Coordinator : UIC
- ▲ 17 partners
- ▲ 8 European Union countries
- ▲ 2 associate countries



SAFER-LC Third Workshop, Madrid, 5 February 2020

17-UTBM - University of Technology of Belfort-



Approach

- Analysis of LC safety systems and definition of needs and requirements of the rail and road users for safer level crossings
 - Analysis of the differences in LC environments between countries
 - ▲ In depth review of LC accident data
 - ▲ Identification of most dangerous situations at LC
- Development of innovative measures
 - ▲ Human centered low cost measures :how measures can be better adapted from a user perspective?
 - Technical solutions
- Field-test and evaluation of the measures
- ▲ Elaboration of recommendations and guidelines
- △ Collection of all results in a toolbox





Where we are?

- ▲Technical work, field tests and evaluation of the measures are completed
- △ On-going work
 - △Cost benefit analysis
 - ▲ Recommendations
 - ▲ for standardisation
 - ▲ for policy makers
 - ▲ Update of SAFER-LC Toolbox





Organisation of the day - Morning Session

9.45 – 10.15	Presentation of the SAFER-LC toolbox -G. Havarneanu (UIC)
10.15 – 11.15	Evaluation group exercise
11.15 – 11.45	Coffee break
11.45 – 12.15	Individual evaluation session
12.15 – 13.00	Interactive session - Debriefing and reporting from each group





Organisation of the day - Afternoon Session

	14.00 – 16.30	 SAFER-LC key results, recommendations and next steps WP1 – LC in Europe and beyond (VTT) WP2 – Human Factor at LC (FFE) WP3 – Innovative Technical solutions (CEREMA) WP4 – Pilot testing (CERTH-HIT)
		 WP5 – Cost-Benefit Analysis (IFSTTAR) WP6 – Final dissemination event (UIC) Discussion and conclusions
	16.30	End of the workshop