



SAFER-LC Mid-Term Conference, Madrid, 10 October 2018

Overview

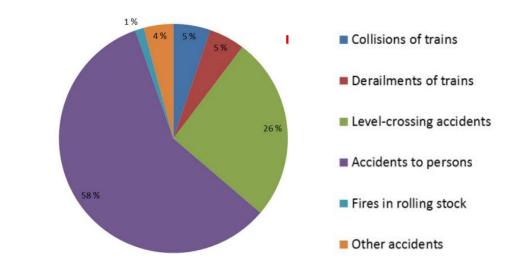
Marie-Hélène Bonneau



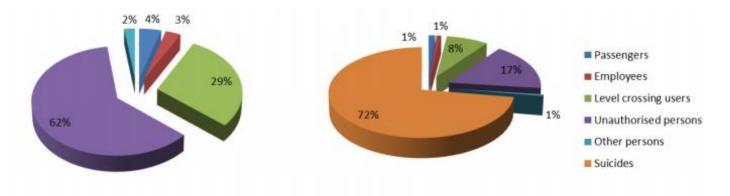


Background

▲ 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.





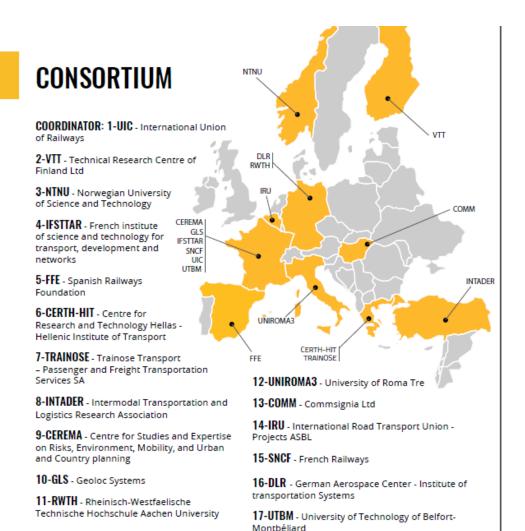
Key facts

- ▲ 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)
- △ Project submitted in September 2016 and selected in January 2017
- ▲ Starting date
 - 1st May 2017 for 3 years
- ▲ Budget
 - 4888927€
- ▲Total effort
 - 487,75 MM





Consortium



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



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Approach

- Analysis of LC safety systems and definition of needs and requirements of the rail and road users for safer level crossings
- Development of innovative measures
 - Human centered low cost measures
 - ▲ Technical solutions
- ▲ Field-test and evaluation of the measures
- ▲ Elaboration of recommendations and guidelines
- △ Collection of all results in a toolbox





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Morning session

SAFER-LC Project achievements:

Human Factor at Level Crossings (WP2)

SAFER-LC on-going and Next steps

- Technical solutions for Level Crossings (WP3)
- Lab tests and Field implementation (WP4)

Spanish experience with Level Crossings

- Evolution of automatic protection systems in railways level crossings ADIF
- Level crossing protection integration into connected car technologies INSPIDE/DGT





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Afternoon session

National experiences

- Czech Republic, CDV
- Croatia, FPZ and HZ
- The Netherlands, PRORAIL

Other related projects

- Safe Strip EU project
- Proof of Concept to enhance safety LC in Canada UIC

