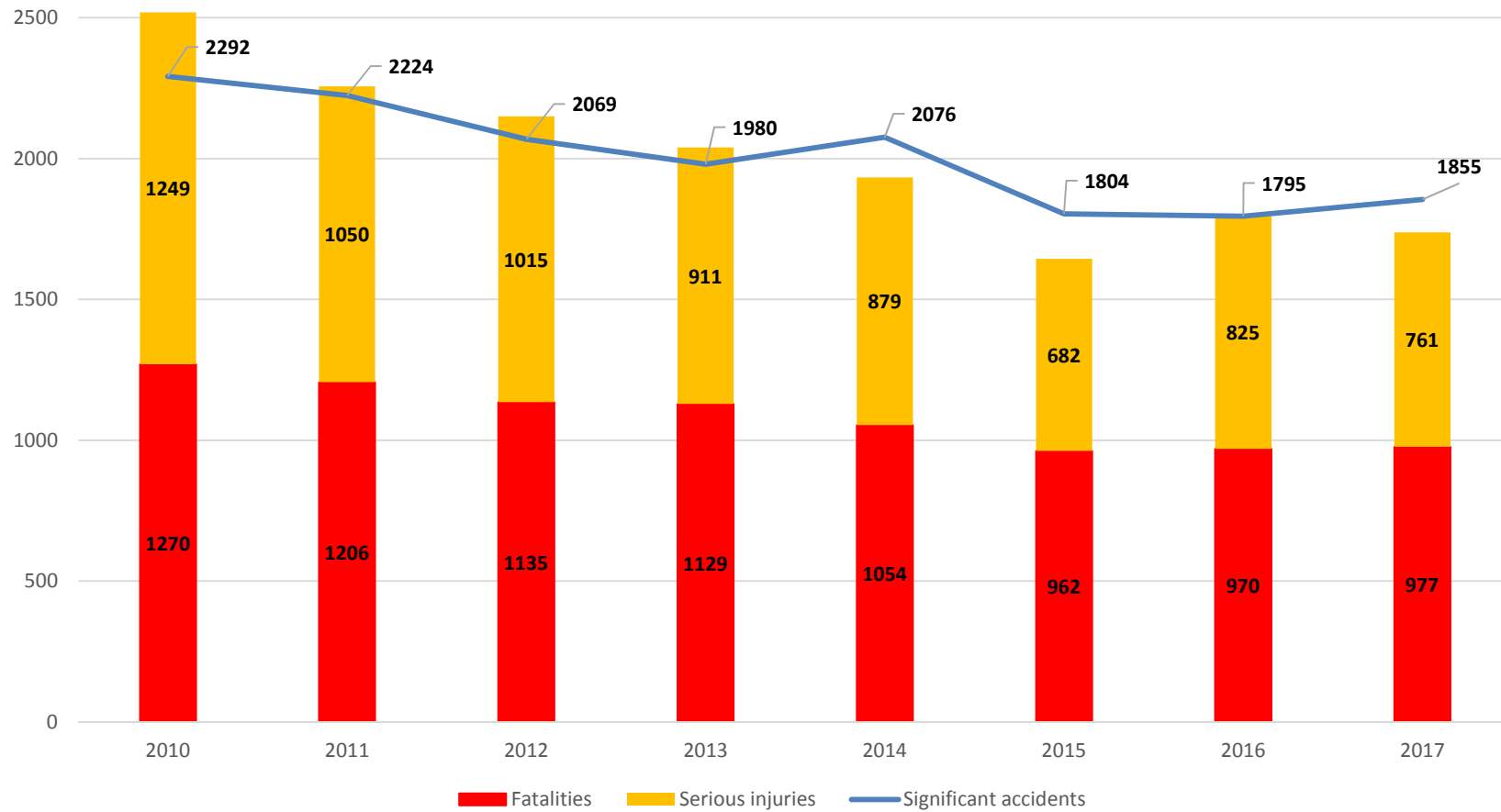# Rail Safety in the EU-28 2017

Analysis and Monitoring Unit

- Data collection for Common Safety Indicators 2017 completed successfully (25th October – 25 days late unfortunately due to re-organisations in three MS). Data collected through publicly accessible database – ERAIL see http://erail.era.europa.eu/

- ERAIL contains statistics on significant accidents, fatalities and serious injuries broken down by type of accident. In addition, some precursor events and information relating to level crossings and control systems plus normalising indicators are also given. A separate part of the system also deals with investigation details relating to the most serious accidents.

- Initial validation of CSI data completed.

- Secondary validation and "clean-up" of data within CSIs is ongoing.

EU-28 Significant accidents, Fatalities and Serious injuries 2010 - 2017
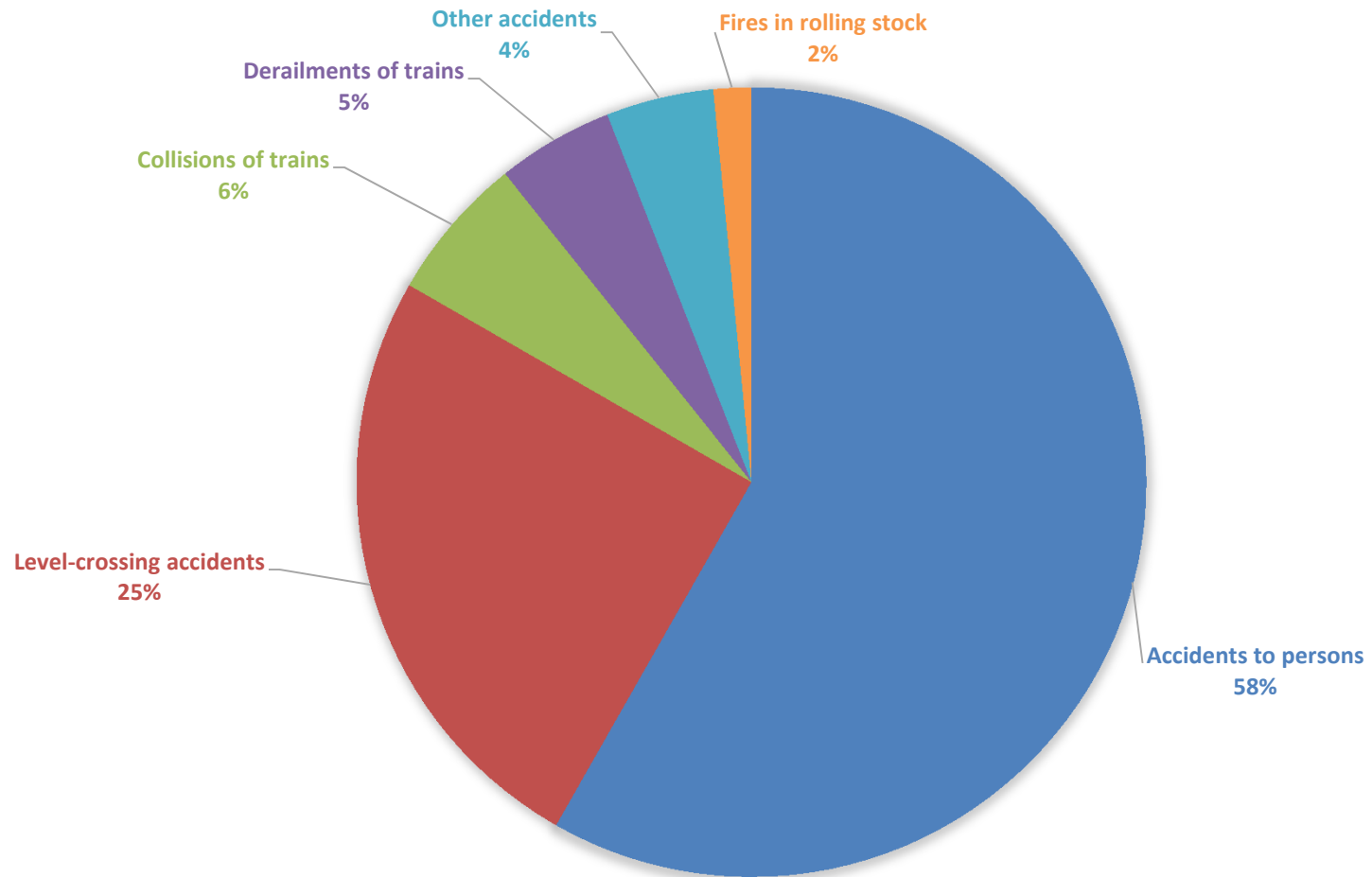
Findings

- The results suggests a slight deterioration of railway safety in 2017 compared to 2016.

- The 2017 results show that compared to 2016:
  - significant accidents (+60, +3,3%);
  - fatalities (+7, +0,7%), and
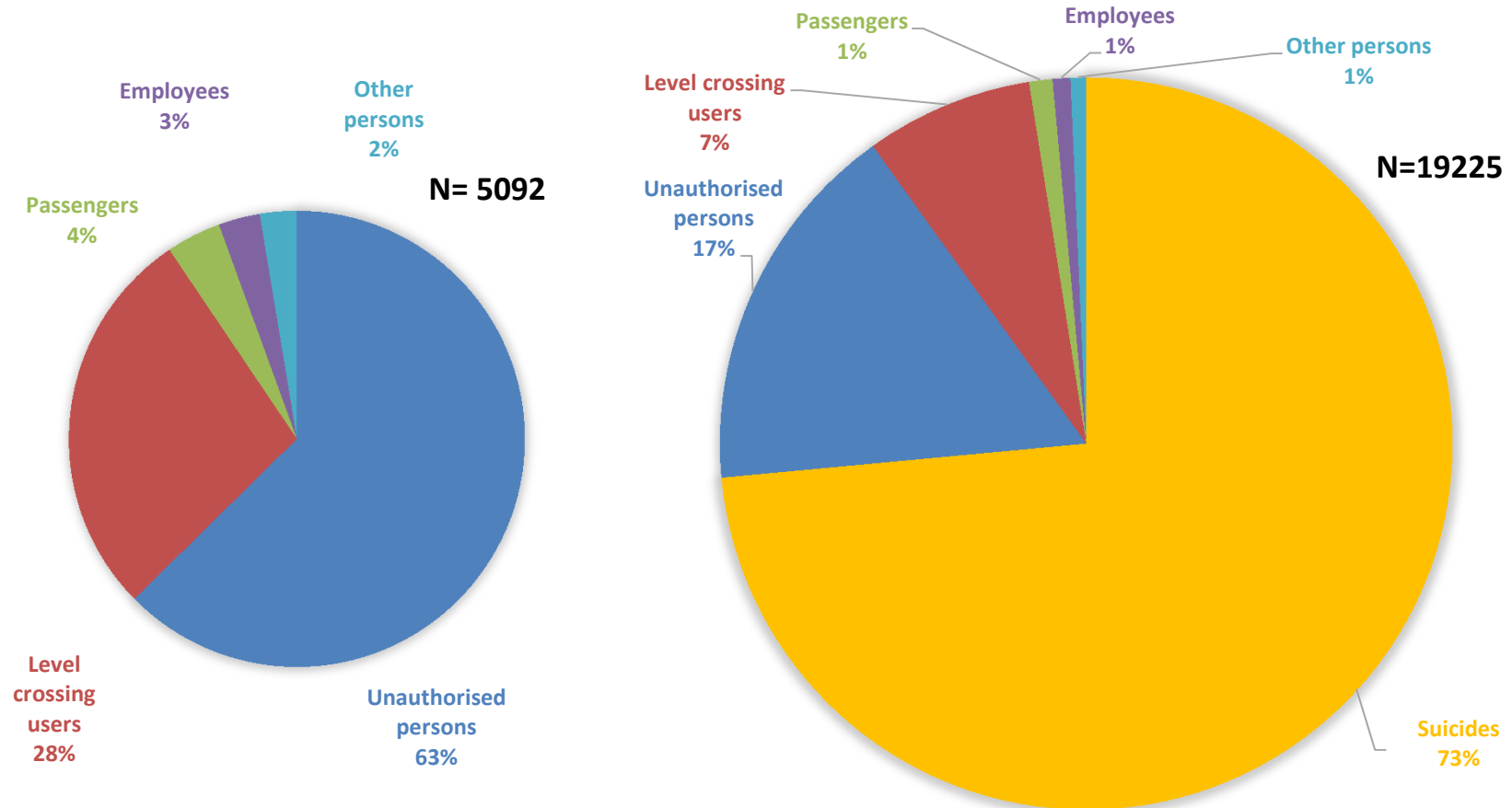 - serious injuries (-64, -7,8%).

  Significant accidents and fatalities increased (therefore a deterioration) compared to 2016. Serious injuries fell indicating an improvement.

- However, analysis of the changes show that the differences are not statistically significant compared to the 5 year means (2013 – 2017) when broken down by type of accident. At Member State level only three MS show statistically significant changes – PL, RO and SK – fortunately all positive – that is a reduction of significant accidents
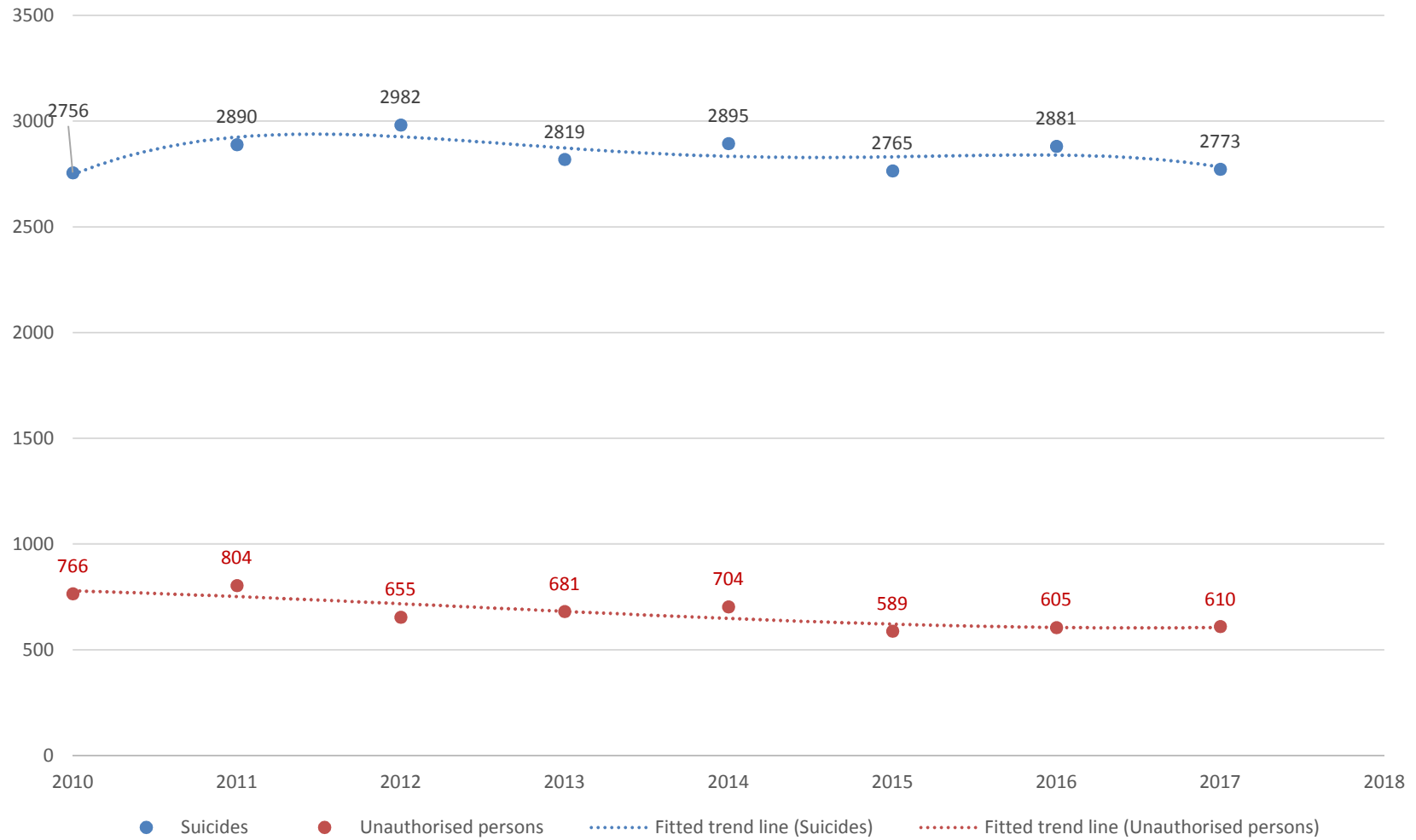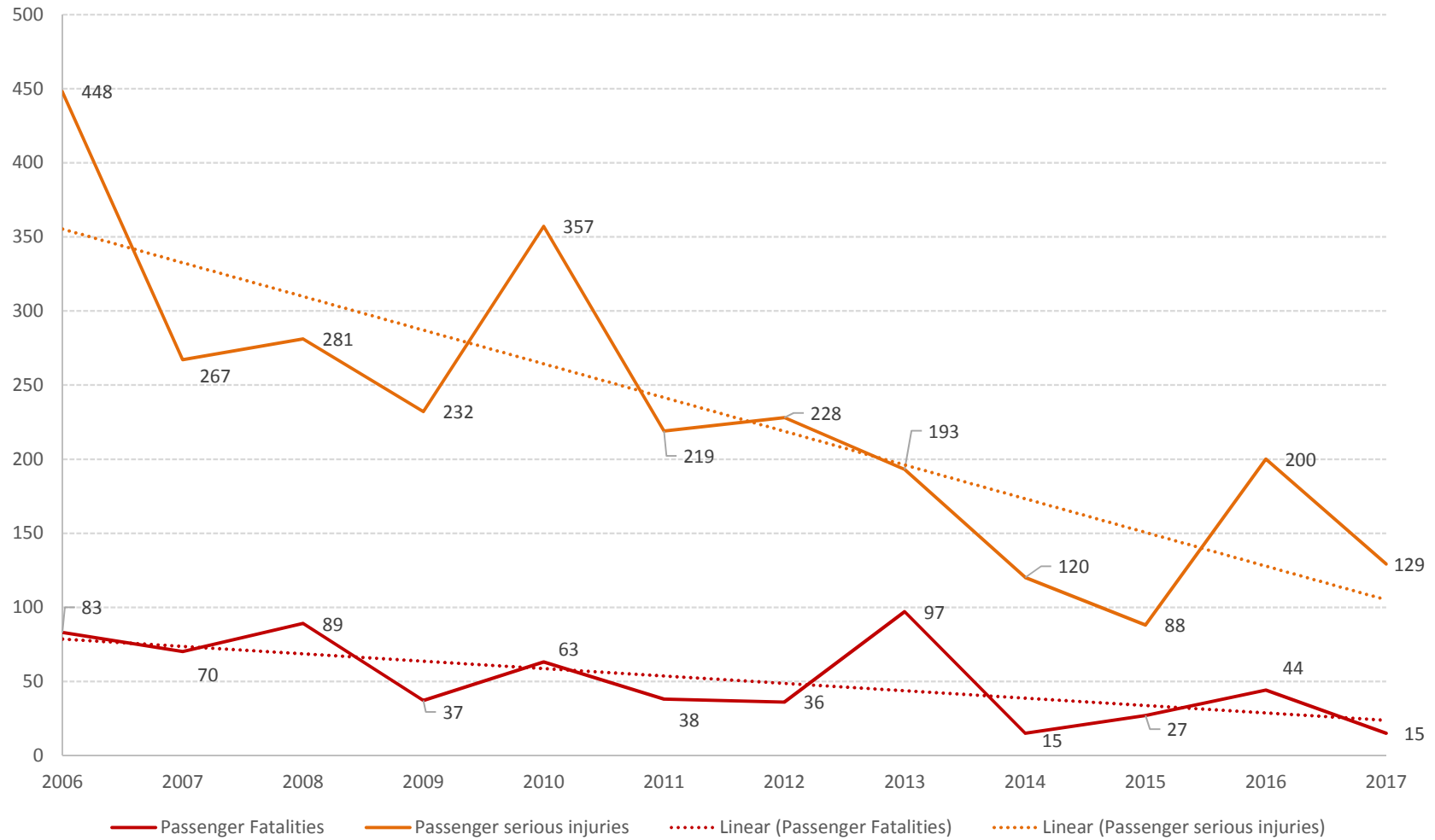
Types of accidents 2013 – 2017 (n = 9510)

- Fires in rolling stock 2%
- Other accidents 4%
- Derailments of trains 5%
- Collisions of trains 6%
- Level-crossing accidents 25%
- Accidents to persons 58%

Fatalities 2013 – 2017 excluding and including suicides

N= 5092

- Employees 3%
- Other persons 2%
- Passengers 4%
- Level crossing users 28%
- Unauthorised persons 63%

N=19225

- Passengers 1%
- Employees 1%
- Other persons 1%
- Level crossing users 7%
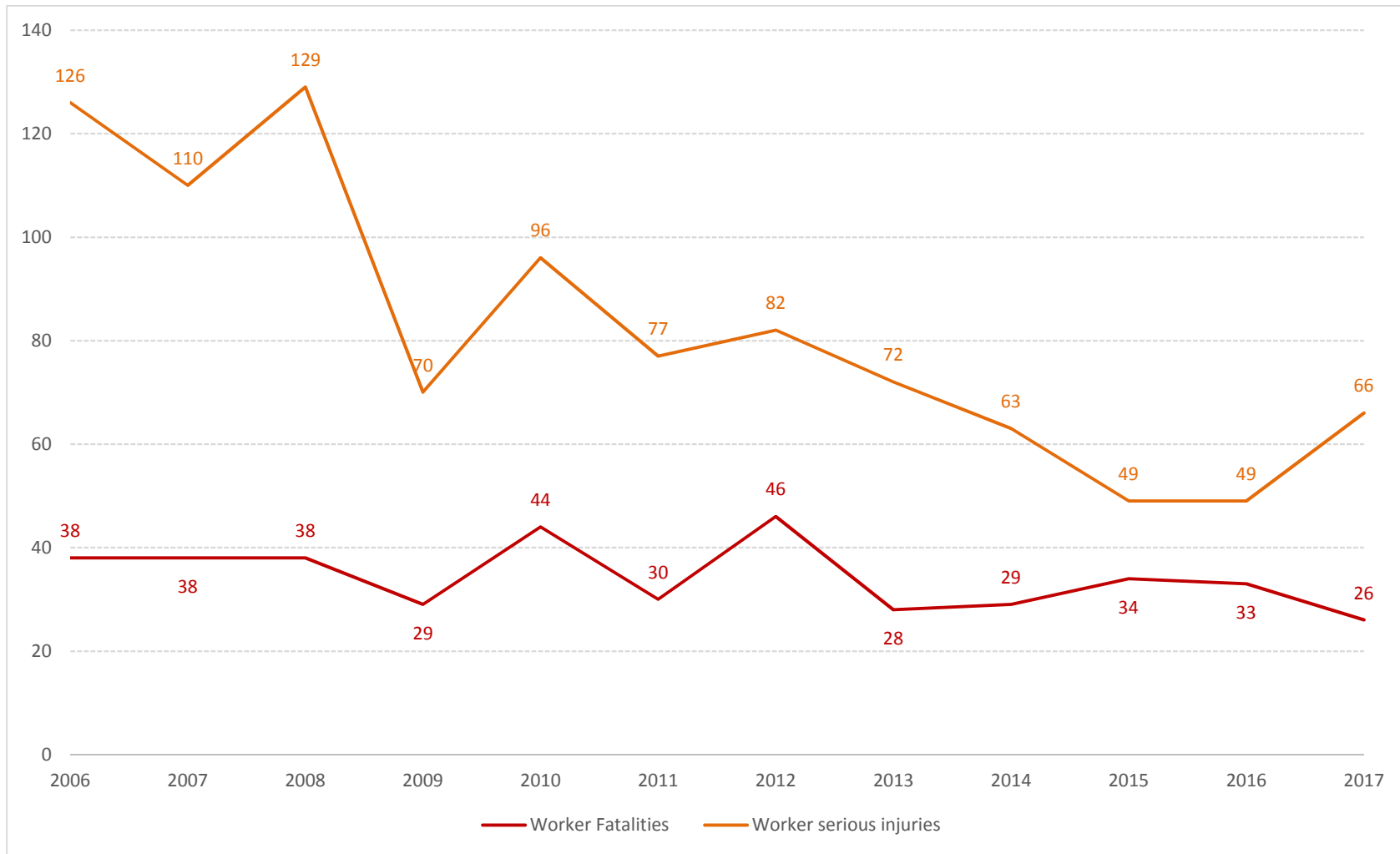- Unauthorised persons 17%
- Suicides 73%

Suicides and Unauthorised users

Passenger fatalities and serious injuries

Accidents to railway staff and contractors

- We are currently working through the CSIs for both internal and external users. We will publish various information through various means.

- Our users of CSI data include:
  - European Commission
  - Eurostat
  - Member States
  - NSAs
  - NIBs
  - Railway sector
  - Other public bodies
  - Public

Broken rail

Train fires
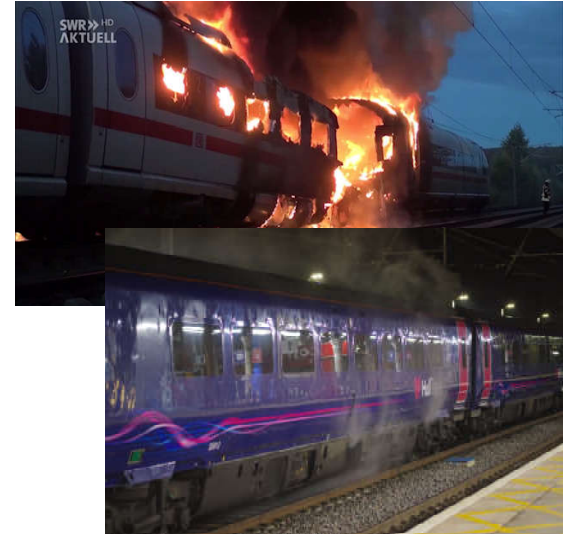
Level crossings

Collision of trains

SPAD

Making the railway system work better for society.

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