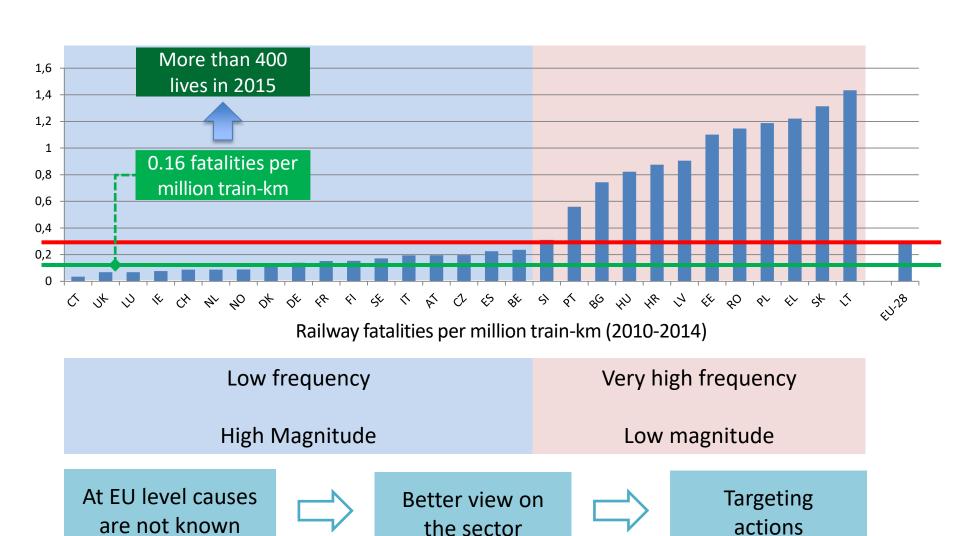
WTMS and the occurrence reporting

Intelligent rail summit
Naples, 22 November 2016





Safety performance in Europe







- Small datasets that are less robust: relying on data from single companies or countries
- Poor sharing of safety information between the multiplicity of sector actors: within Member States, but also across national boundaries and at a European level
- Availability of consistent, harmonized data that provides real and proactive information about risks
- Use of data to support decision-making by operational actors, national and European regulators and legislators
- Poor transparency and lack of a positive culture that supports reporting, learning and improving, including between competitors



Our solution for better data management and sharing

Common Occurrence Reporting

Safety management data reporting

Includes data generated by railway operators, collected and analysed to improve safety (Monitoring) enhancing risk management under SMS and at regulatory level.

Safety alert

Designed to share unknown or poorly understood time critical information about hazards related to technical systems.

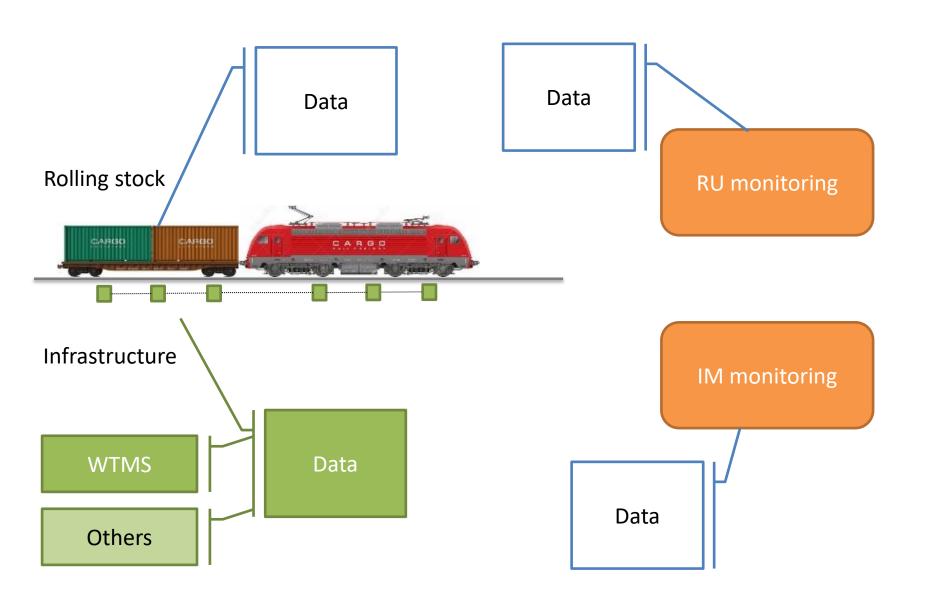
Reporting regime – what & how

Reporting regime – what & how

Reporting system – separate or combined tool for SMS data and alerts



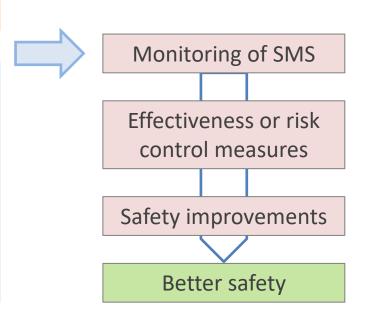
Analysis of data generators





The role of WTMS - Safety

- Several options available as off-the-shelves products
- WTMS is one of the most diffused and reliable monitoring systems
 - High volume of data → potential for more information
 - High potential on inference of information, i.e. detection of rolling stock non conformities can reveal:
 - Technical defects
 - Operational issues:
 - Train movements
 - Maintenance
 - Shunting
 - others
 - Organisational aspects:
 - Internal processes
 - Suppliers and contractors



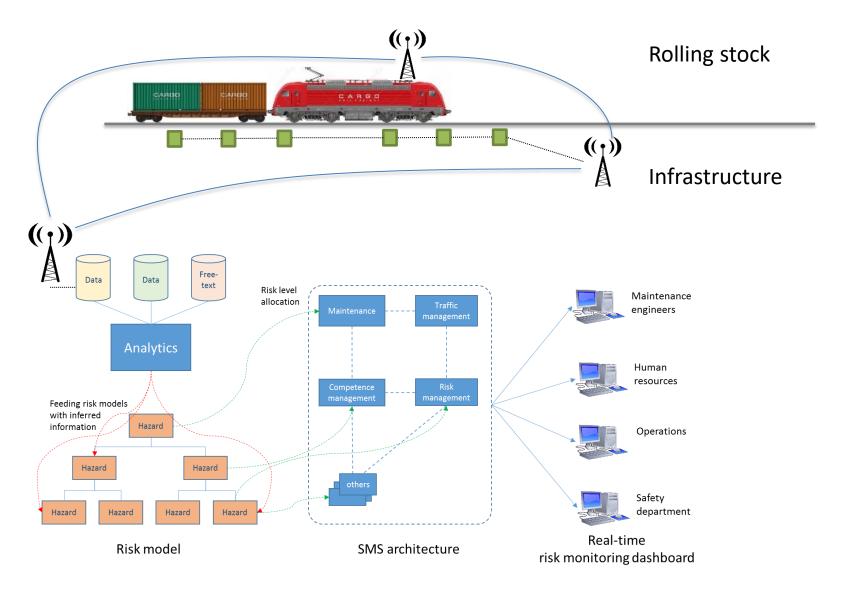


The role of WTMS - Business

- Prevention of accidents:
 - Better exploitation of the network (no disruptions)
 - No extra-costs due to network damages
- More data → more information to improve:
 - Maintenance of rolling stock
 - Maintenance of the infrastructure



Our vision

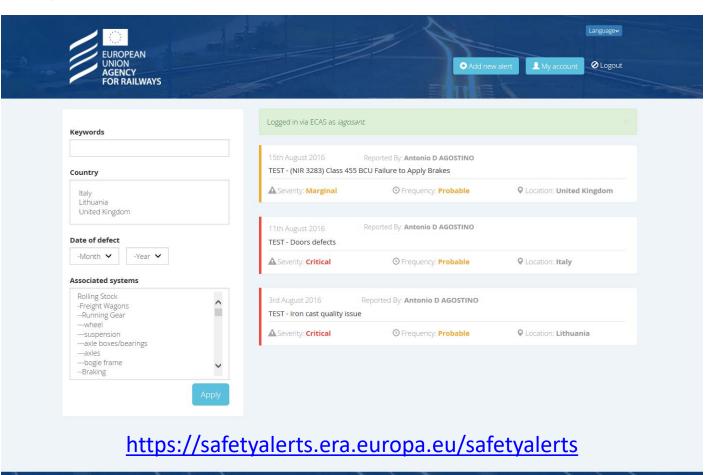




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