

# Evaluate to Learn and Improve: A Safety Culture Model for European Railways

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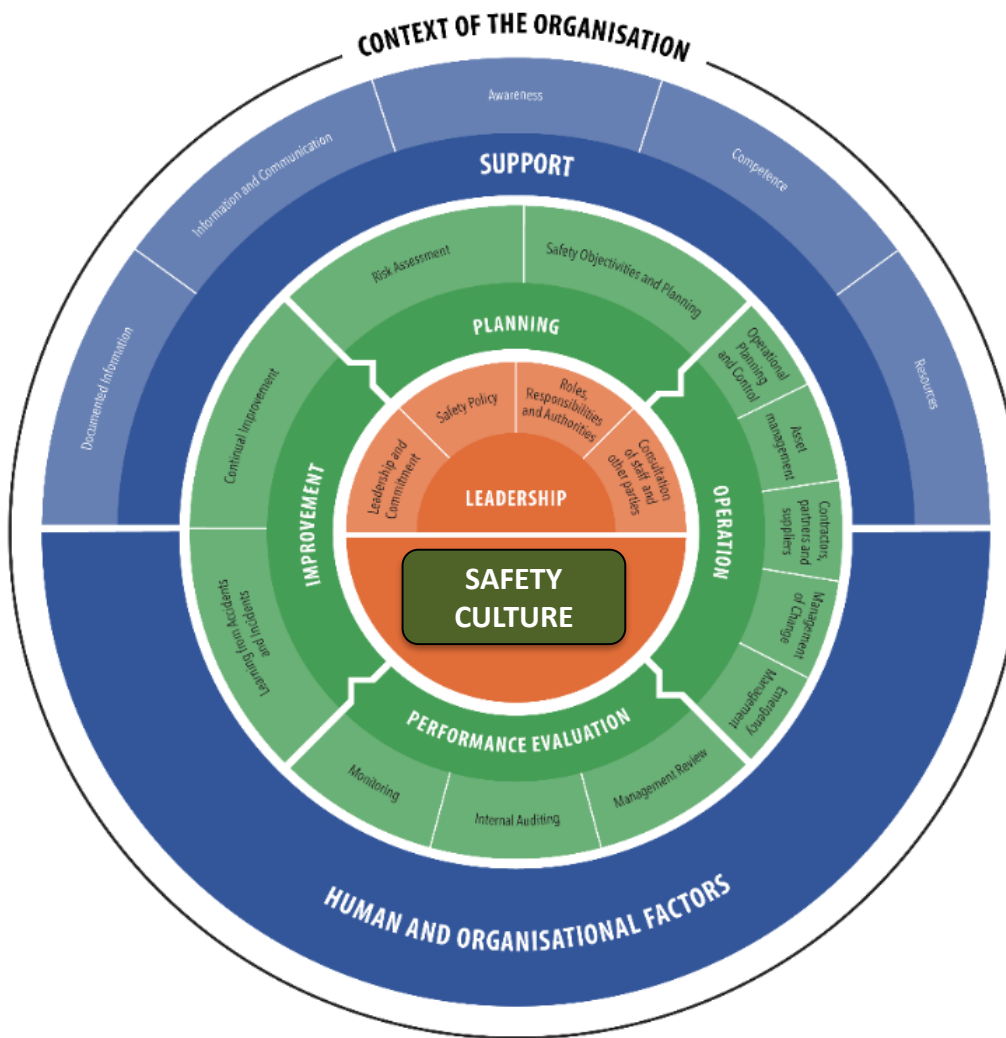
IRSC 2018: Organisational Culture that Values Safety

Dublin, 22<sup>nd</sup> October 2018



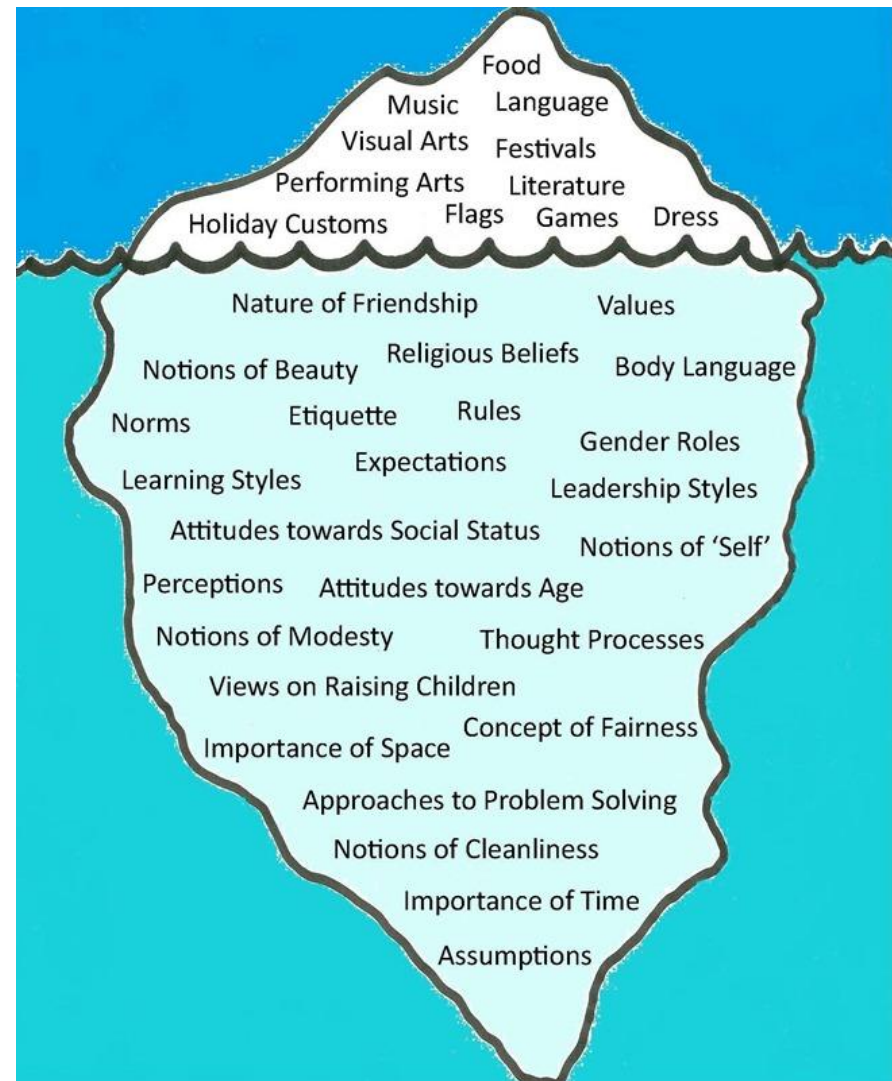
## EU secondary legislation on SMS requirements related to railway undertakings and infrastructure managers (2018/762)

*“The organisation shall provide a **strategy** to continually improve its **safety culture** (...)”*



# Evaluate Safety Culture

- Two types of evaluation...
  - Safety culture **assessments**
  - **Regulatory oversight** of safety culture
- ... that lead to a **safety culture picture**: an insight, at a given moment in time, into the drivers that shape **organisational behaviour patterns, safety consciousness** and **safety performance**...
- ... not a numerical dashboard!



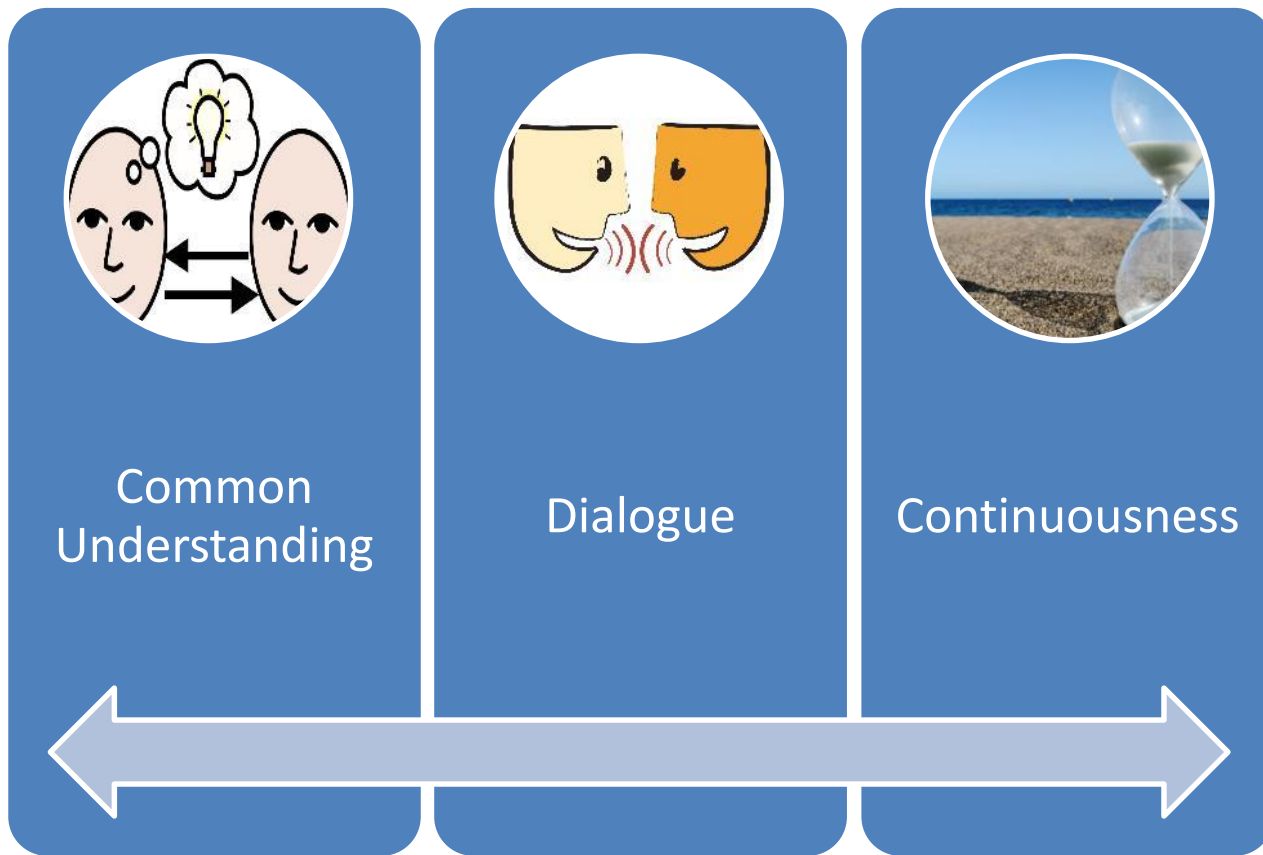
# Safety Culture Assessment



- *open mind*
- *questioning attitude*
- *detailed notes*
- *balanced approach*
- *stick to the facts*
- *consider context*

# Regulatory Oversight of Safety Culture

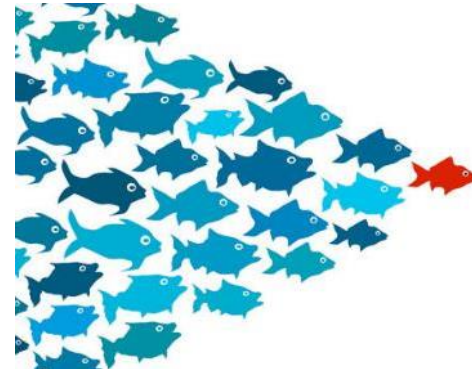
*- Being an inspector, can I access safety culture related information?*



Three pillars of regulatory oversight of safety culture  
(IAEA TecDoc 1707)

# Evaluation Process: Success Factors

- Project management approach
- Commitment of senior management
- Team with diverse background and experience
- Use of multiple data collection methods
- Dissemination and use of results
- External Communication





# Human and Organisational Factors Network

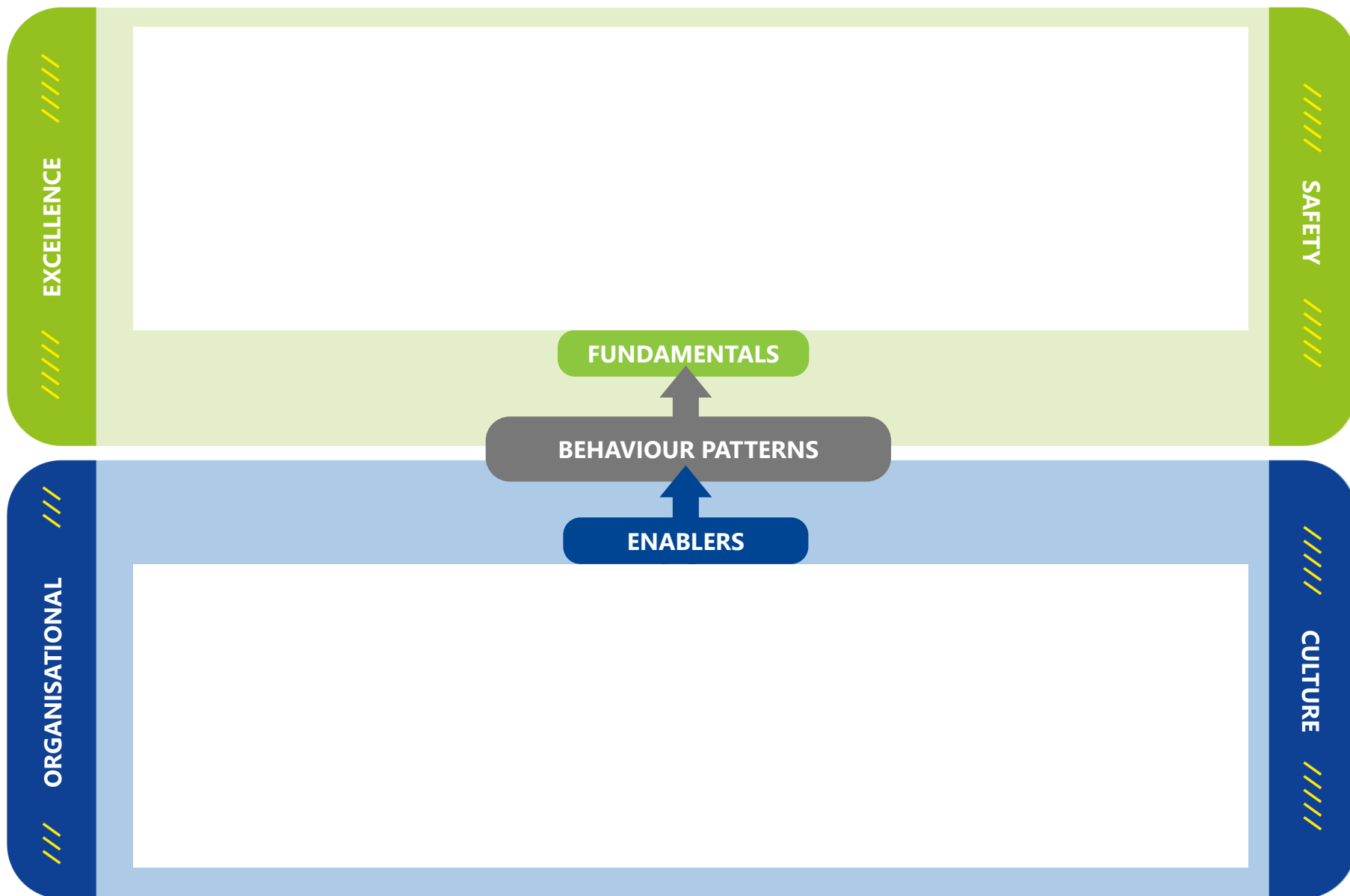
## Ad-Hoc Task Force on Railway Safety Culture Assessment



Three meetings in 2018: initiation, development, finalisation



# European Railway Safety Culture Model: Components

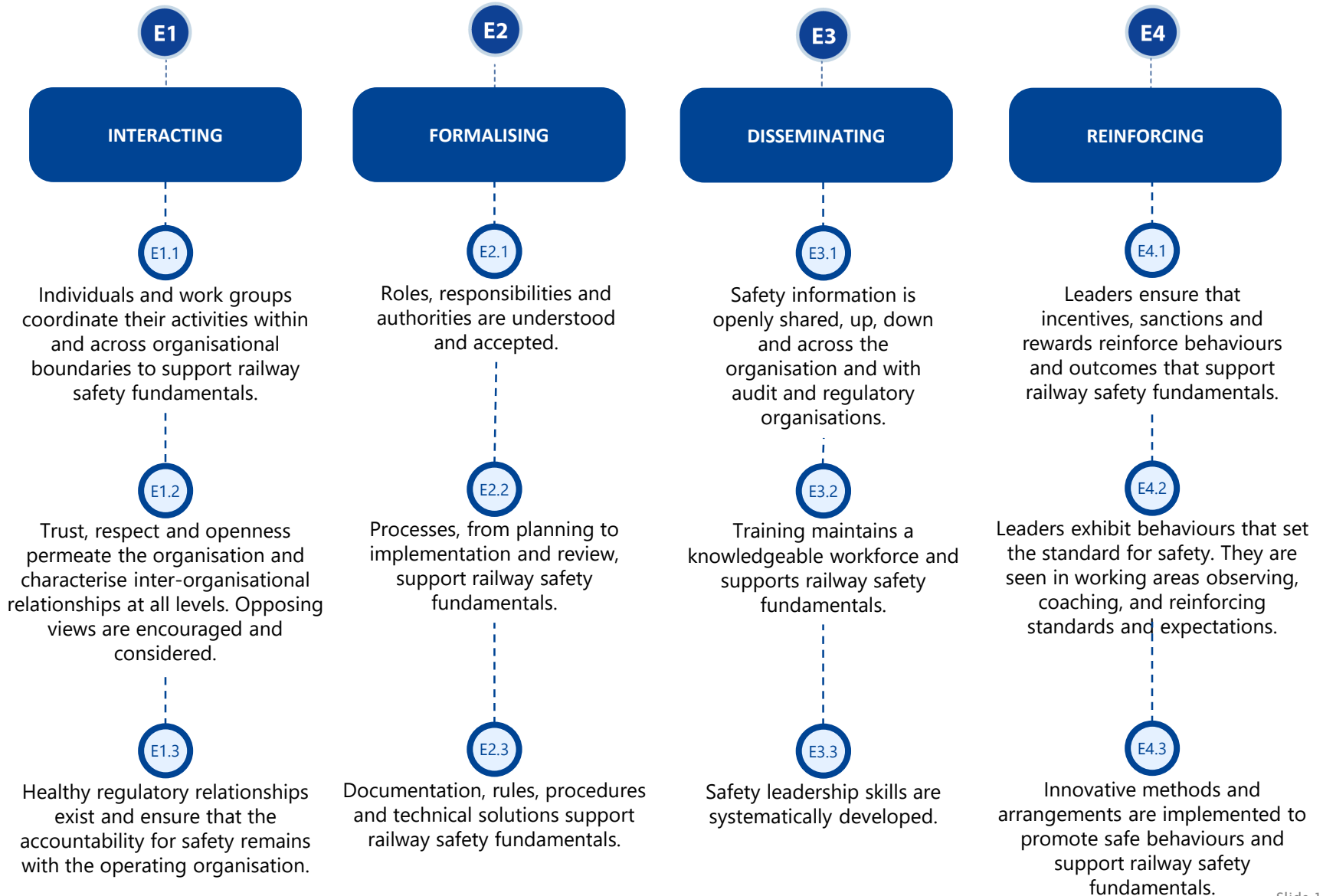




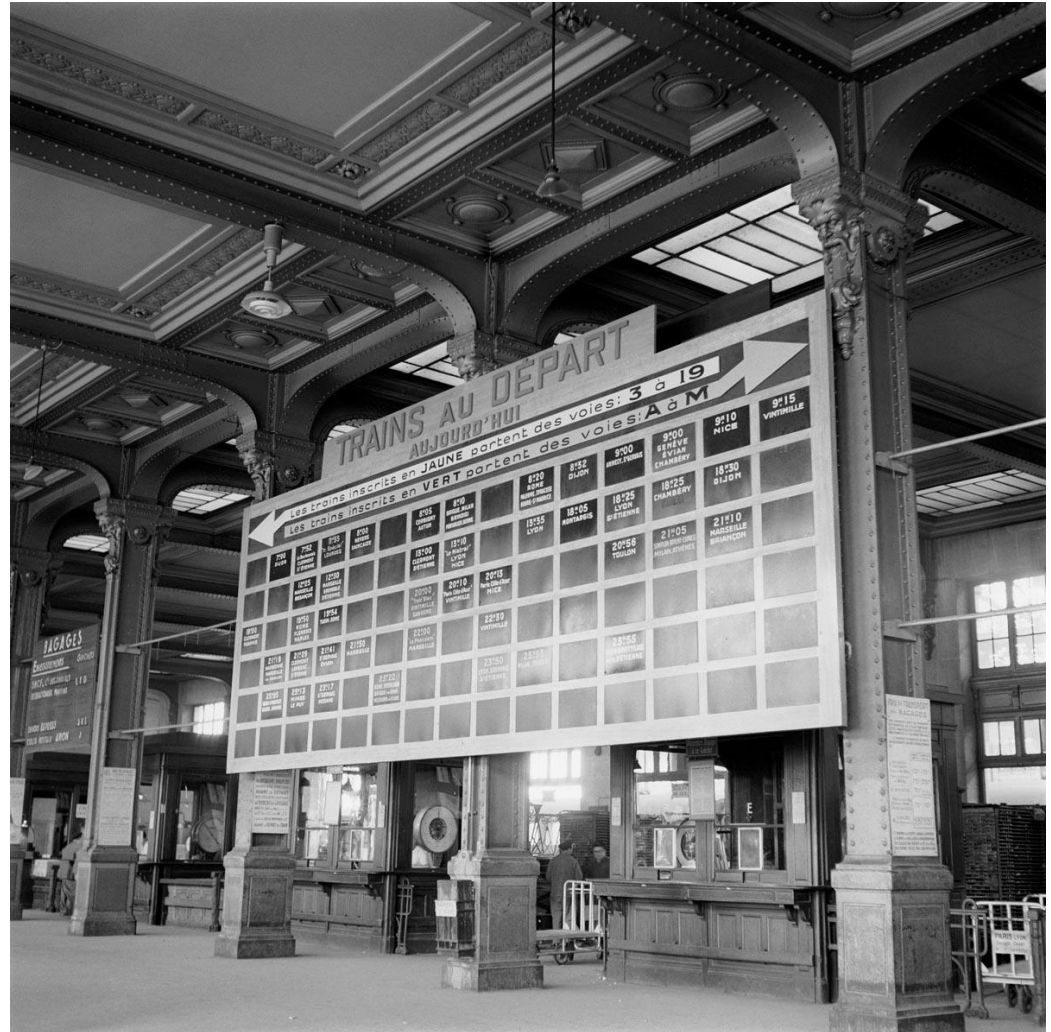
# Railway Safety Fundamentals: Attributes



# Cultural Enablers: Attributes



- Development of draft guidelines and training material
- Pilot (2019)
  - Safety culture assessments with infrastructure managers and railway undertakings
  - Regulatory oversight with national safety authorities
- Revision of model, guidelines and training materiel (2019-2020)



- Innovative model: distinction of cultural enablers (organisational culture) and railway safety fundamentals (positive railway safety culture)
- A conceptual framework to foster common understanding of safety culture
- A practical tool to support the sector: evaluate to learn and improve
- In line with the **European railway safety culture declaration** signed by more than 60 European leaders





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