# **European Rail Safety Climate Survey ERA-SCS**A Tool to Enhance Global Safety

Grégory Rolina, Fabrizio Carpinelli, Mitchell Van Balen and Krzysztof Zubilewicz Sevilla, 17 October 2021







### **Background**

- Component of the Agency's safety culture programme
- Art. 29.2 Directive (EU) 2016/798 on the evaluation of the development of a safety culture
- Safety Culture Assessment Pilot ERA-ICSI @ NJ (2019)
- SIGMA Project @ ADIF (2020)
- Survey design supported by a task force created under the umbrella of the Agency's **HOF Network**
- Summer 2020: **193 testers** from **20 countries** filled in a survey pilot in English































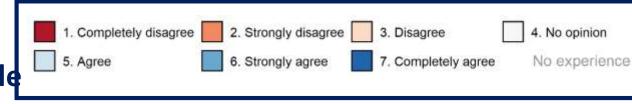








7+1 point Likert scale













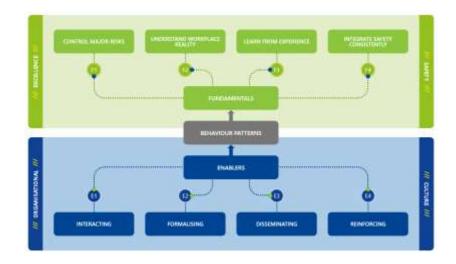


#### **ERA-SCS in a Nutshell**

- 48 safety statements aligned with the safety culture model
- 1 positive and 1 negative statement addressing each attribute
  - My management adequately addresses safety during meetings
  - My management does NOT lead by example
- Hosted and supported by EU Survey in 22 EU languages
- Endorsed by the European Commissioner deployed in 2021 the European Year of Rail
- Open to rail companies and authorities as partners: February-June 2021
- Open to rail professionals as individual respondents: July-October 2021





















### **Fruitful Partnerships**

80 partners

100 surveys

40000 responses

100 reports







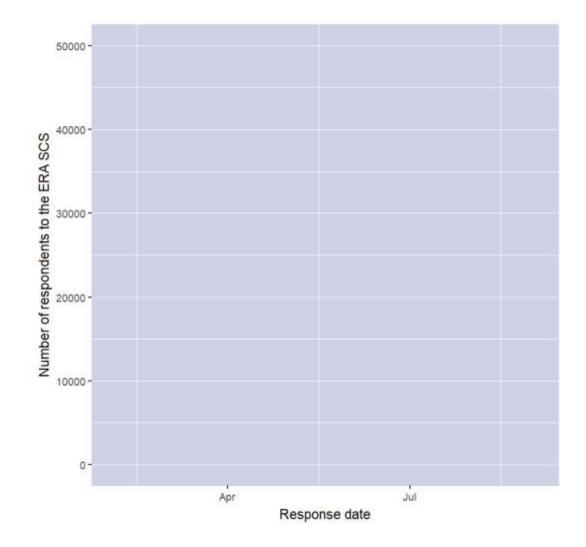






## **Fruitful Partnerships**















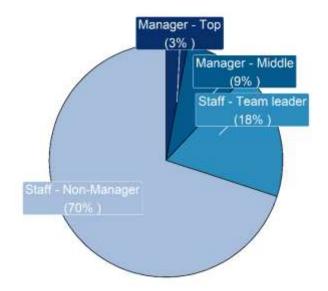


## Number of respondents 1 - 99 100 - 499 500 - 999 1000 - 4999 >= 5000

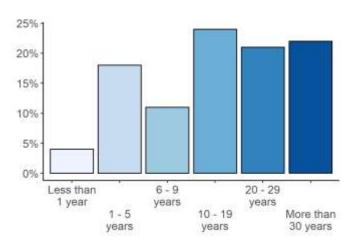
#### Only displaying European countries with one or more respondents

## **About the Respondents (1/2)**

#### Position in the organisation



#### Years of experience in railways



#### **European railways are well covered**

**Under-representation of the German sector** 







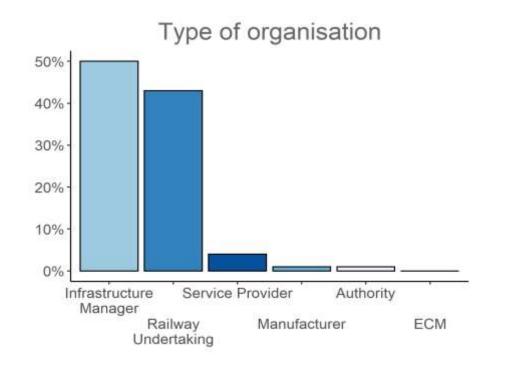


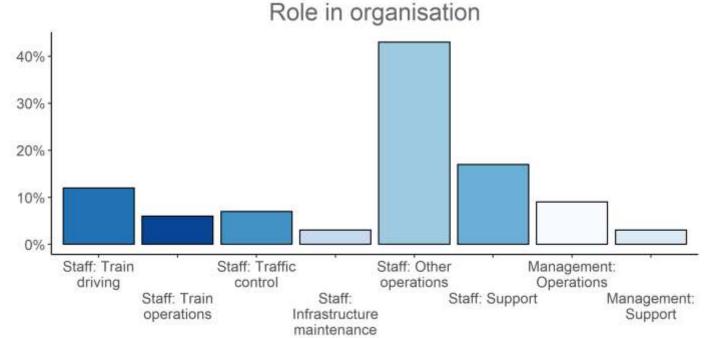






### About the Respondents (2/2)





#### European railways are well covered

**Under-representation of the rail manufacturers** 







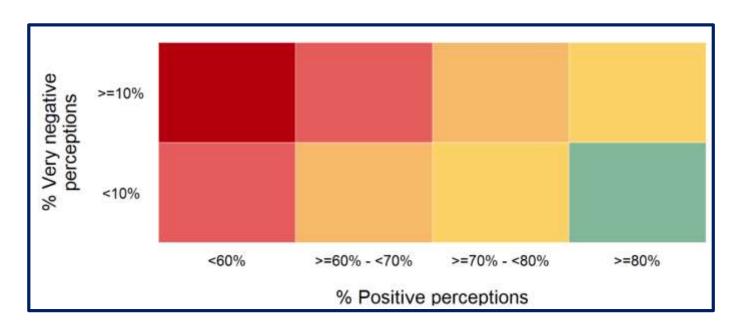




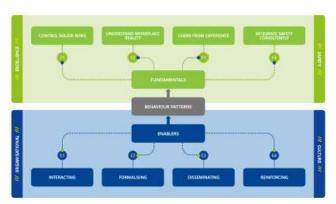


#### **How to Visualise the Results?**

- Not at the statement level which would narrow the scope, rather at the attribute level to support a cultural change
- Not with a numerical score which would oversimplify the results, rather with a safety culture colour grid to identify strengths and weaknesses



Importance is given to very negative perceptions (i.e. a complete disagreement with a positive safety statement or a complete agreement with a negative statement)









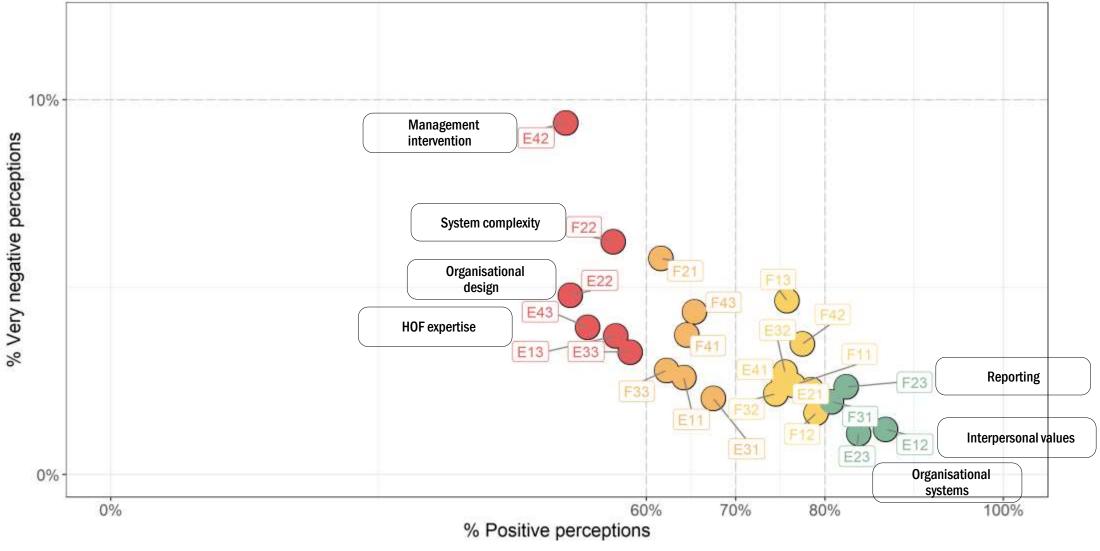








### **Overall Results**









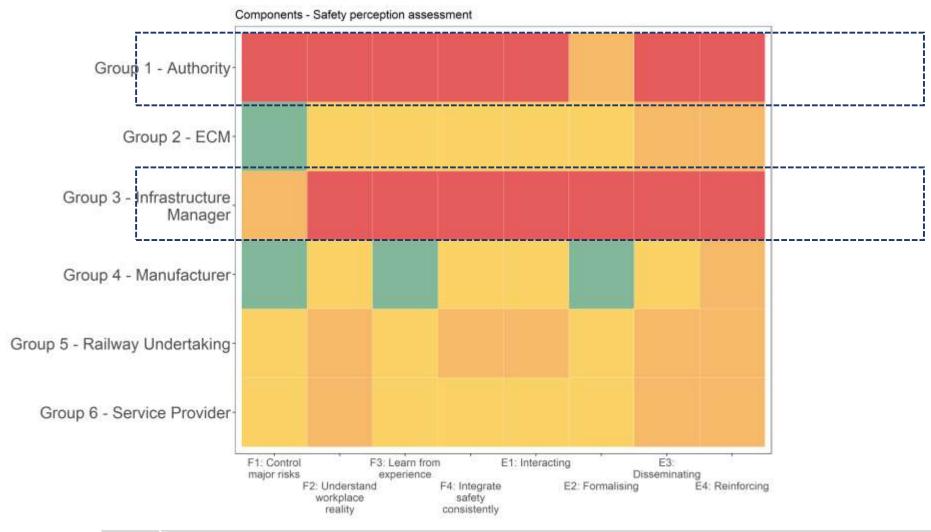








### **Results by Types of Organisation - Components**















## **Results by Types of Organisation - Attributes**









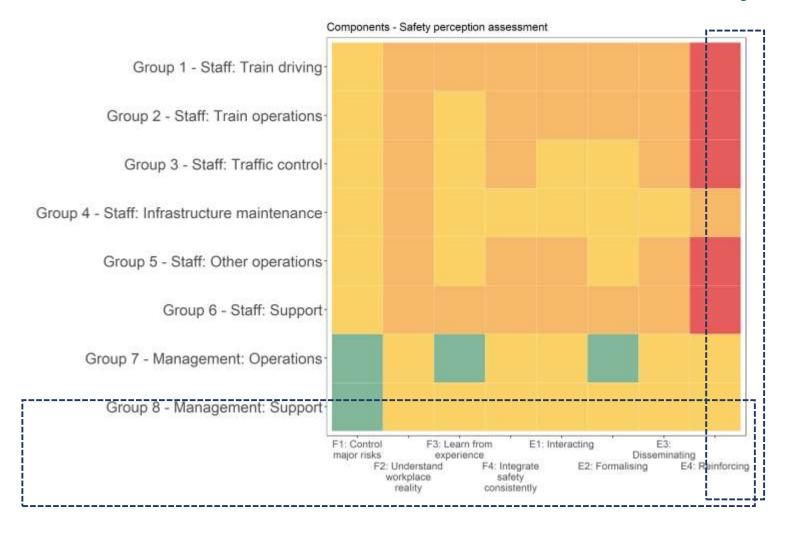








### **Results by Roles - Components**







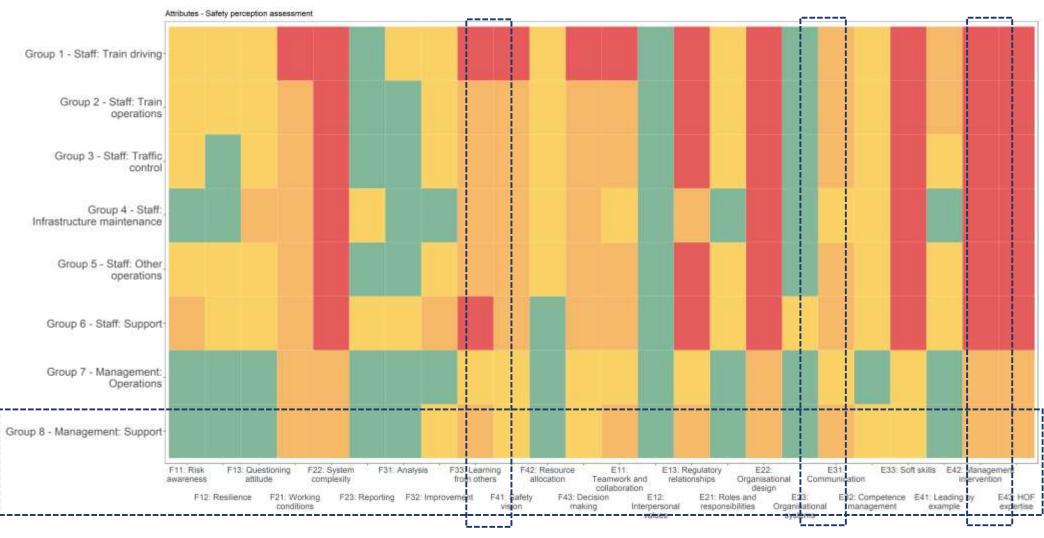








### **Results by Roles - Attributes (1)**









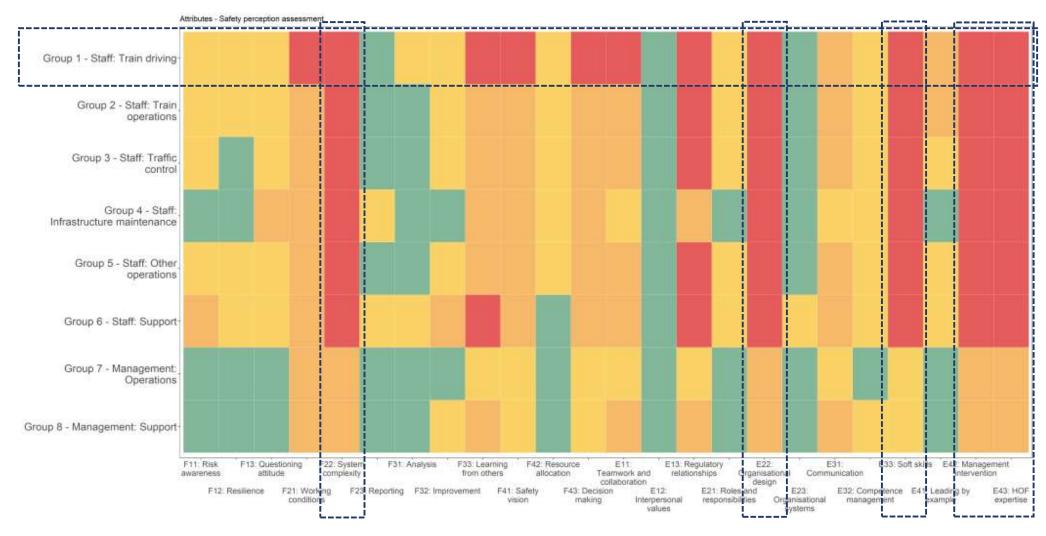








### **Results by Roles - Attributes (2)**

















### **High Level Results**

#### MORE POSITIVE PERCEPTIONS

#### Expressed by

- Professionals working within rail manufacturers
- Managers

#### Related with

- **E12** Interpersonal values
- **E23** Organisational systems
- F23 Reporting

#### **MORE NEGATIVE PERCEPTIONS**

#### Expressed by

- Professionals working within authorities and infrastructure managers
- Train drivers

#### Related with

- E42 Management intervention
   E23 Soft skills
- E43 Integration of HOF expertiseF22 System complexity
- E22 Organisational design
  - **E13** Regulatory relationships













### **Hypotheses - Elaborated by External Experts**

- Seniority has limited impact on a respondent's safety perception
- With the company size:
  - The challenges of understanding workplace reality increase
  - The challenges of integrating safety into every day work increase
  - The challenges of reinforcing the safety culture at the workfloor level increase
- Train drivers in large companies experience greater difficulties with addressing safety concerns than train drivers in small companies
- Greater presence in the field of management improves the overall safety climate















- European awareness raising and learning initiative for a more inclusive safety
- Two challenging key ingredients
  - Communication
  - Safety leadership
- Results require further analysis
- Results require further data...
- ...as organisational culture is difficult to approach
- Results allow comparison over time
- Benchmarking requires thorough methodology

#### **Lessons Learned**

"A milestone for European Rail Safety"

"Communication is an area that can be improved"

"Results provide a very good starting point"

"We will run the survey every other year"

"We learned a lot about ourselves"

"Additional work is to be done"

"It is only one piece of the puzzle"

"Should I compare our results with others?"















### **Follow Up**









Analyse and build on the results involving experts, qualitative data collection and a task force with UIC

Conduct a Safety Culture Pilot **Peer Review** (with CER, Trenitalia, SNCF, ÖBB, SBB)

Implement
ERA-SCS as
a service
open to any
rail
organisation
(EU/non EU)
upon
request

Develop training (safety leadership, just culture, HOF...)















































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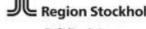


















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