





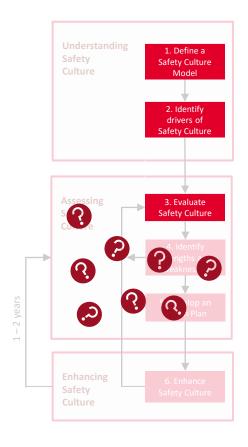


HEUTE. FÜR MORGEN. FÜR UNS.

## Safety Culture Process







#### Aims of today





#### How can we make this workshop successful?

We (i.e., the facilitators – us! – and the participants – you!) engage in **conversation** about our Safety Climate Survey results and how we will deal with them, **talking honestly** about...

- ... the challenges we have faced or are facing,
- ... how we are managing these,
- ... what actions we are taking,
- ... best practice,
- ... what lessons we have learnt, and
- ... any other topics that might come up.

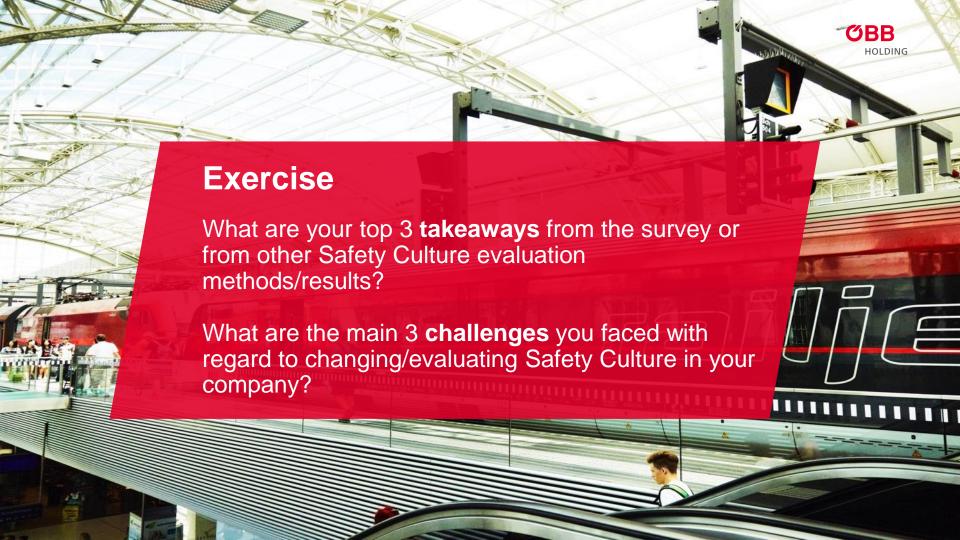
#### What should we discuss?

- How do I analyse and interpret the results? What can I get out of the results?
- What should I do if we use a different SC model, or we already have results from a different SC survey?
- What other sources of information can I use to understand my company's SC?
- How do I communicate the results?
- How do I deal with criticism?
- What are the **next steps** I can/should take after having analysed and presented the results?





03.11.2021

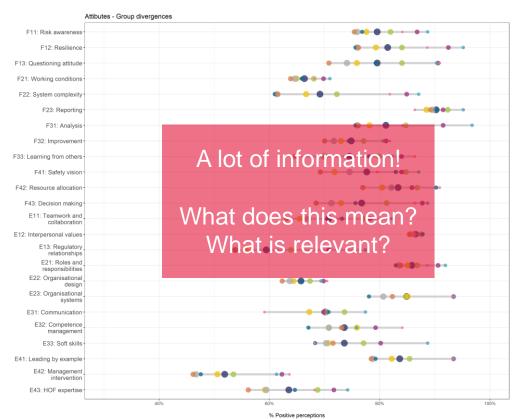












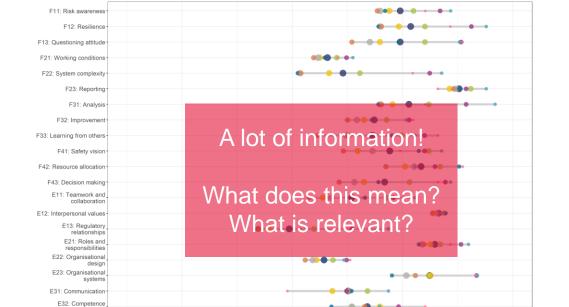
Group	Position	Experience
Group 1	All	All
Group 2	All	over 10 years
Group 3	All	under 10 years
Group 4	Non-managers	All
Group 5	Non-managers	over 10 years
Group 6	Non-managers	under 10 years
Group 7	Managers	All
Group 8	Managers	over 10 years
Group 9	Managers	under 10 years

Note: dummy data

Attibutes - Group divergences







## Meaningful comparison #1

Group	Position	Experience
Group 1	All	All
Group 2	All	over 10 years
Group 3	All	under 10 years
Group 4	Non-managers	All
Group 5	Non-managers	over 10 years
Group 6	Non-managers	under 10 years
Group 7	Managers	All
Group 8	Managers	over 10 years
Group 9	Managers	under 10 years

Note: dummy data

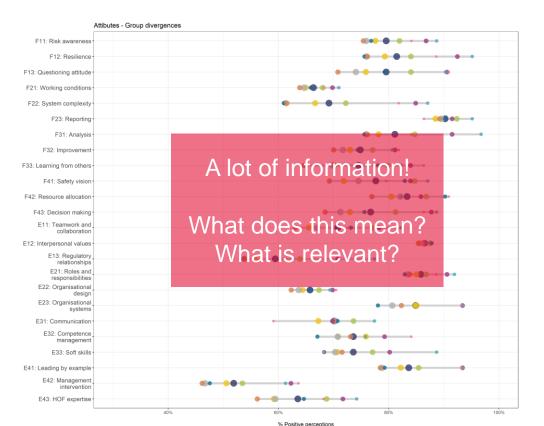
management
E33: Soft skills
E41: Leading by example
E42: Management
intervention
E43: HOF expertise

% Positive perceptions

Group: • 1 • 2 • 3 • 4 • 5 • 6 • 7 • 8 • 9







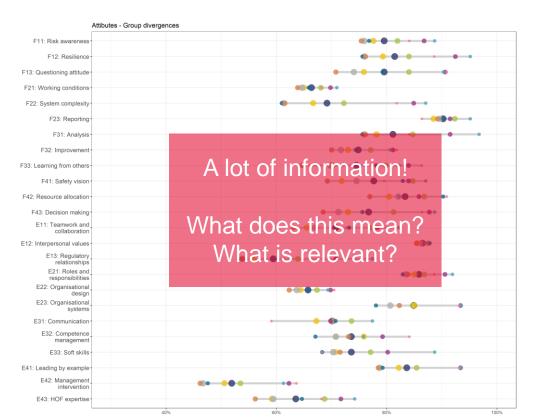
## Meaningful comparison #2

Group	Position	Experience
Group 1	All	All
Group 2	All	over 10 years
Group 3	All	under 10 years
Group 4	Non-managers	All
Group 5	Non-managers	over 10 years
Group 6	Non-managers	under 10 years
Group 7	Managers	All
Group 8	Managers	over 10 years
Group 9	Managers	under 10 years

Note: dummy data







## Meaningful comparison #3

Group	Position	Experience
Group 1	All	All
Group 2	All	over 10 years
Group 3	All	under 10 years
Group 4	Non-managers	All
Group 5	Non-managers	over 10 years
Group 6	Non-managers	under 10 years
Group 7	Managers	All
Group 8	Managers	over 10 years
Group 9	Managers	under 10 years

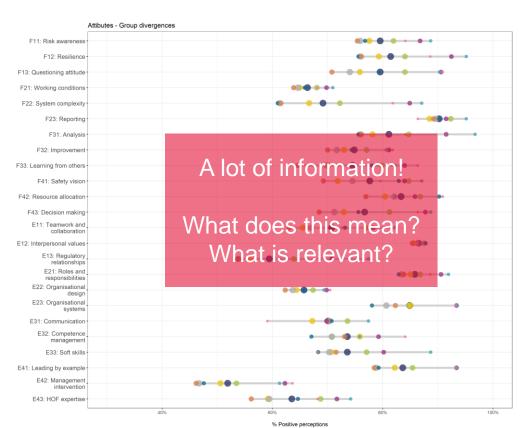
Note: dummy data

% Positive perceptions

Group: • 1 • 2 • 3 • 4 • 5 • 6 • 7 • 8 • 9







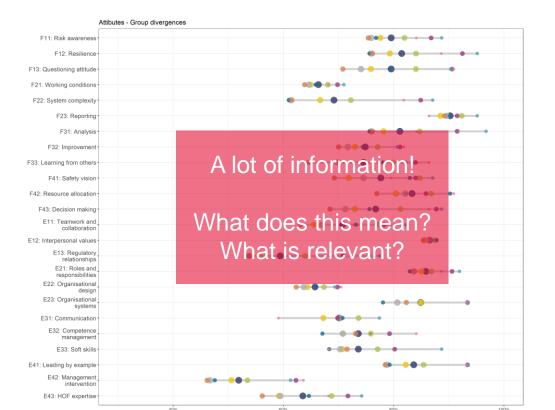
## Meaningful comparison #4

Group	Position	Experience
Group 1	All	All
Group 2	All	over 10 years
Group 3	All	under 10 years
Group 4	Non-managers	All
Group 5	Non-managers	over 10 years
Group 6	Non-managers	under 10 years
Group 7	Managers	All
Group 8	Managers	over 10 years
Group 9	Managers	under 10 years

Note: dummy data







## Meaningful comparison #5

Group	Position	Experience
Group 1	All	All
Group 2	All	over 10 years
Group 3	All	under 10 years
Group 4	Non-managers	All
Group 5	Non-managers	over 10 years
Group 6	Non-managers	under 10 years
Group 7	Managers	All
Group 8	Managers	over 10 years
Group 9	Managers	under 10 years

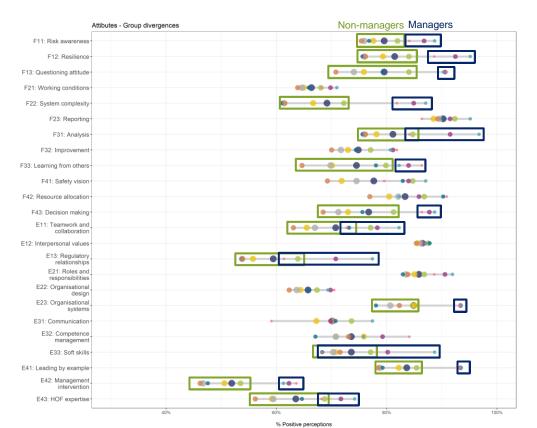
Note: dummy data

% Positive perceptions

Group: • 1 • 2 • 3 • 4 • 5 • 6 • 7 • 8 • 9







## Meaningful comparison #2

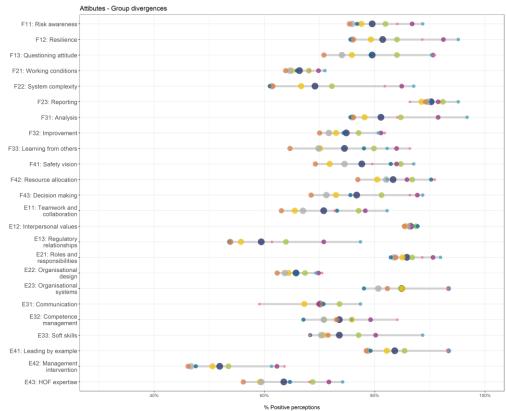
Group	Position	Experience
Group 1	All	All
Group 2	All	over 10 years
Group 3	All	under 10 years
Group 4	Non-managers	All
Group 5	Non-managers	over 10 years
Group 6	Non-managers	under 10 years
Group 7	Managers	All
Group 8	Managers	over 10 years
Group 9	Managers	under 10 years

Note: dummy data





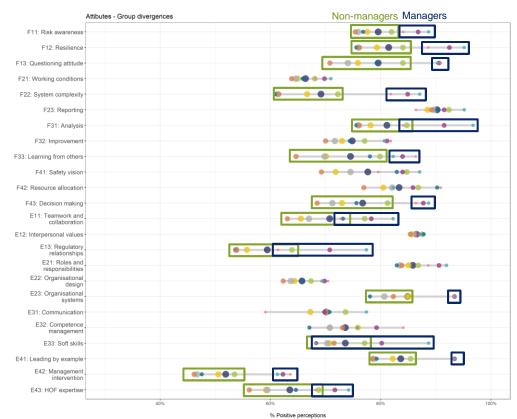




Note: dummy data



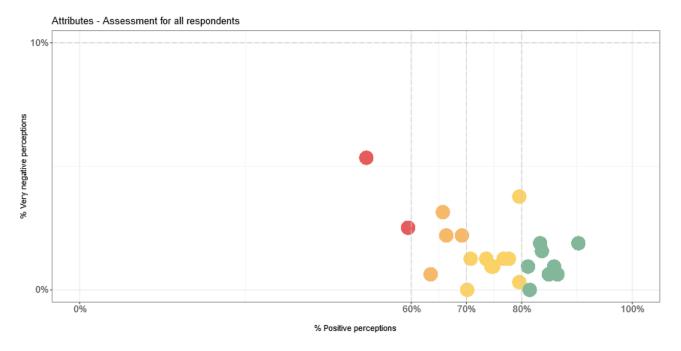




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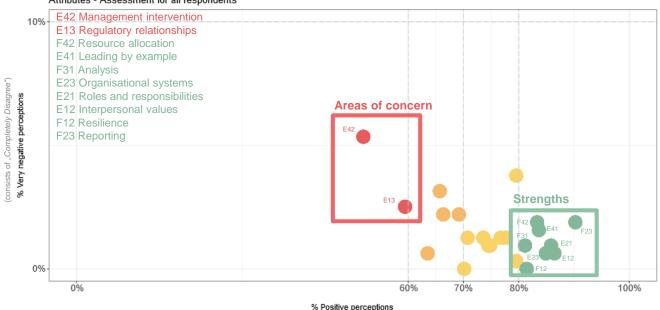


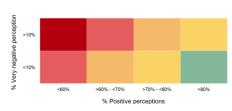












% Positive perception:

(consists of the sum of "Agree" + "Strongly agree" + "Completely agree")

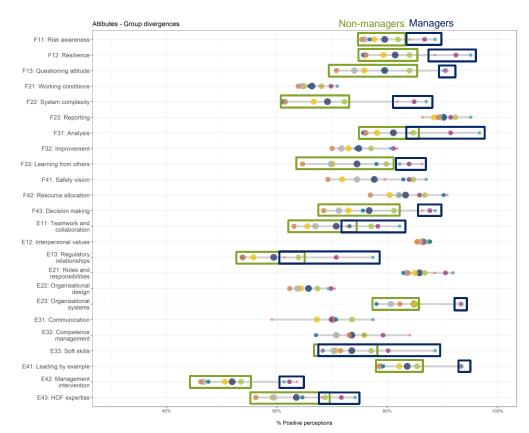
#### **Recommendation of ERA:**

- Launch a safety culture assessment → Structural action plan following the assessment
- Confirm the potential strength → Maintain and anchor strength



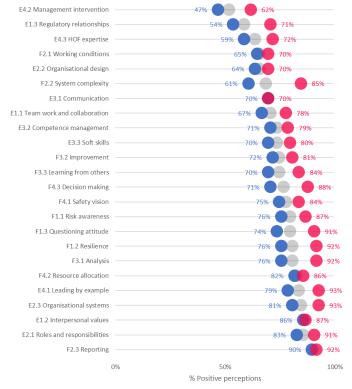


## From this...



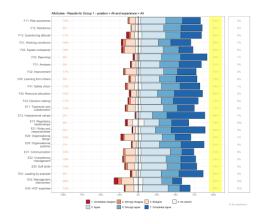






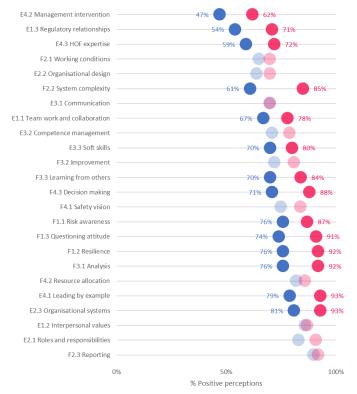
Non-managers Managers All

# ... to this!









Non-managers Managers

... or this!

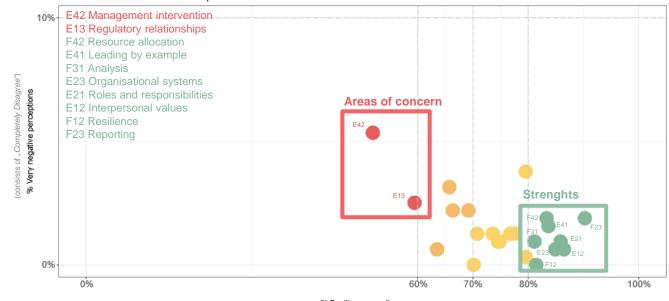
NB: The dots are faded if there is less than 10% difference between the groups.





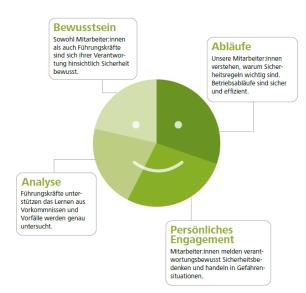
## From this...





% Positive perceptions

(consists of the sum of "Agree" + "Strongly agree" + "Completely agree")



## ... to this!

#### From this...

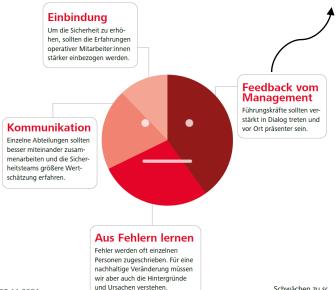
#### **E4.2** Management intervention:

Managers ensure that incentives, sanctions and rewards reinforce behaviours and outcomes that support the accomplishment of the safety vision

#### ...to this

#### Management feedback:

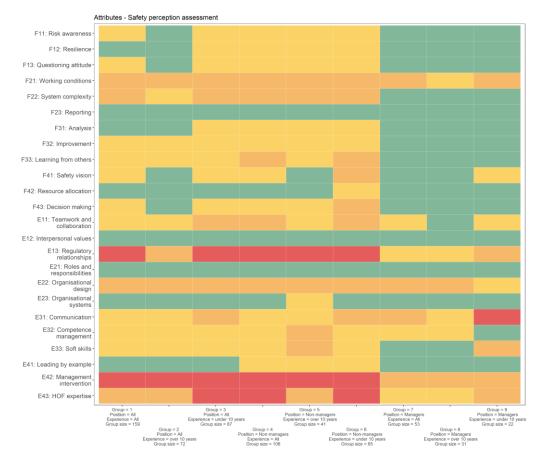
Managers should engage more in dialogue with staff and be more present on site.

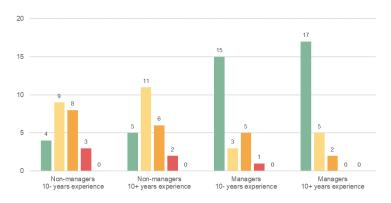






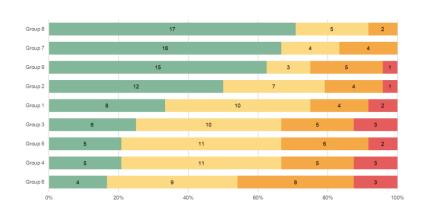
# From this...







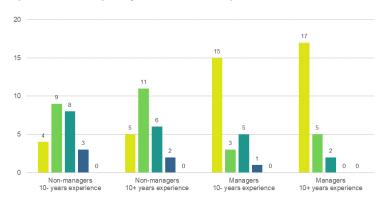
# ... to this!











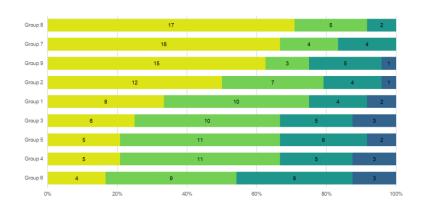
... to this!

Note: Red-amber-green colour palettes are often not colour-blind friendly! Consider alternatives.

Not colour-blind friendly

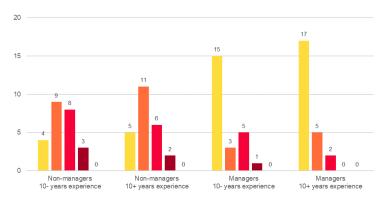
Colour-blind friendly

Colour-blind friendly









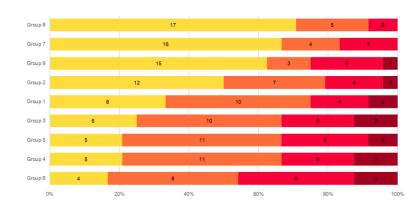
... to this!

Note: Red-amber-green colour palettes are often not colour-blind friendly! Consider alternatives.

Not colour-blind friendly

Colour-blind friendly

Colour-blind friendly

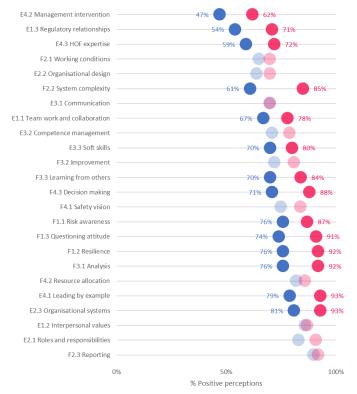




#### Tip 4: Make the interpretation explicit







Non-managers Managers



Managers have more positive perceptions than Non-managers in more than half of the safety culture categories.

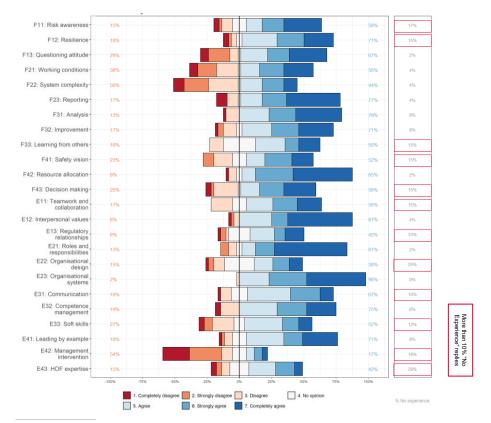
NB: The further right the point, the more positive the assessment of the category. The further left, the more negative the assessment.



## Tip 5: Be careful if high percentage of "No experience" replies





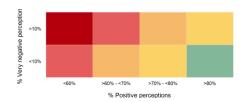


#### What could "No experience" mean?

- Lack of personal experience with a topic
- Weakness in the organisation's safety culture – e.g. lack of training or comms about safety

#### What can you do?

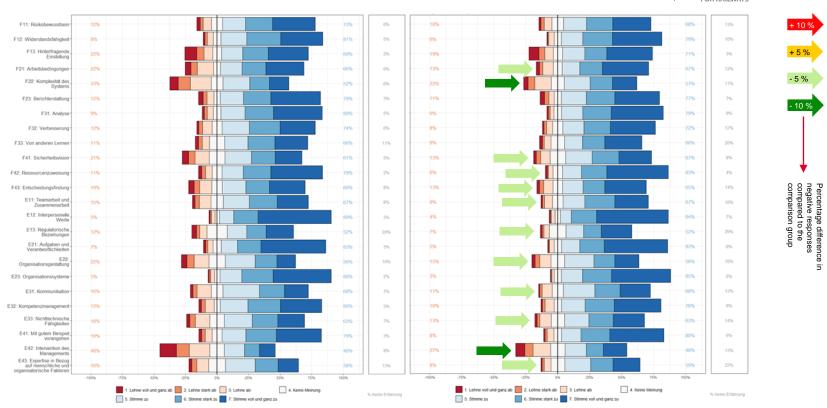
- Highlight when presenting results
- Consider in your interpretation especially due to impact on categorisation into green-yellowamber-red-dark red





## Tip 6: Find rules to make comparisons



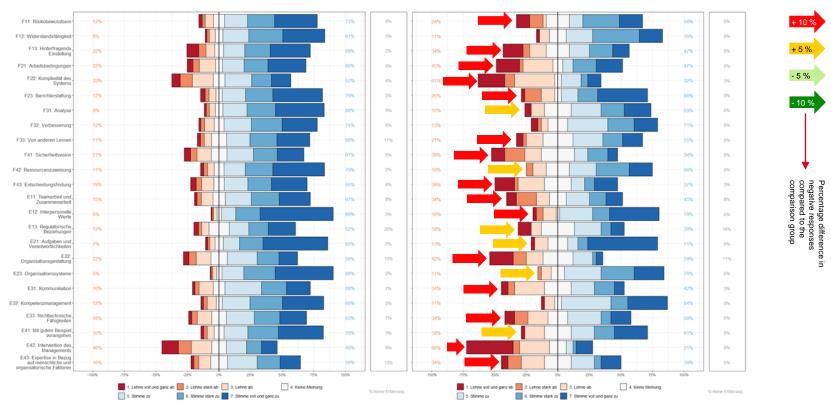


Note: dummy data

ÖBB-Hold Learning f

## Tip 6: Find rules to make comparisons





Note: dummy data

ÖBB-Hold Learning f















**QBB** 

# Important:

A safety culture assessment is more than "just" the survey!

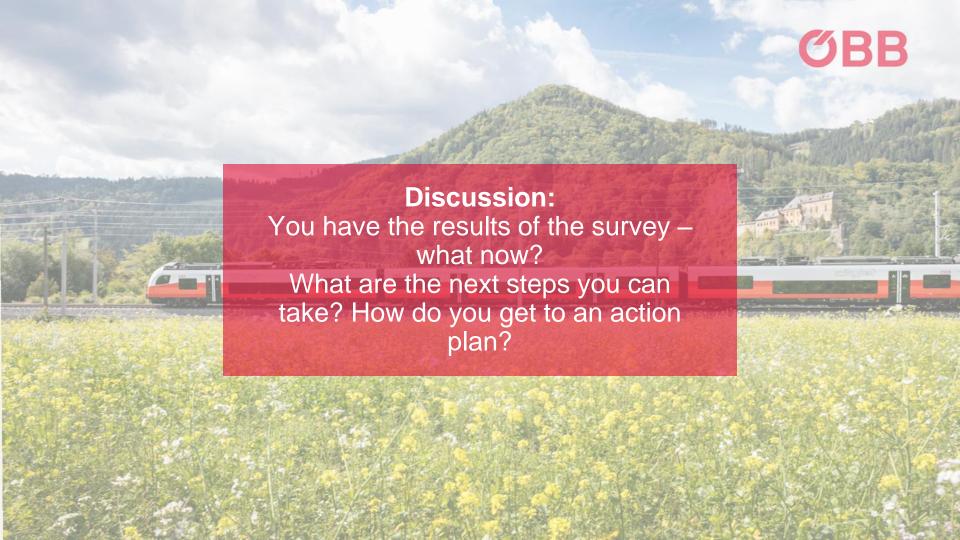
## **Discussion:**

What other sources of information do I have that I can use to understand my company's Safety Culture?

"Observation can give a richer feedback about people's behaviour.

The questionnaire can collect a considerable pool of data, and the interviews and workshops can help interpret and explore respondents' points of view."





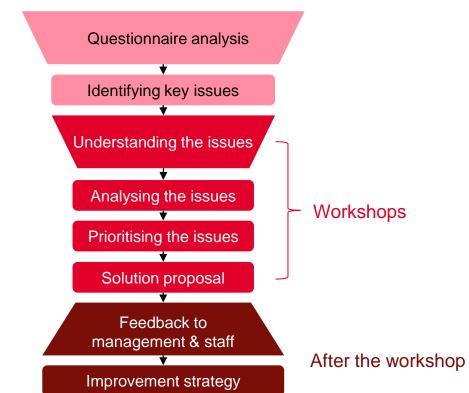
#### Next steps – Options and tips





#### **Examplary Safety Culture Improvement Process**

- Run an assessment: workshop, focus group, interviews
- Focus on operational staff
- Focus on areas of concern
- Incorporate and prioritise planned/ongoing actions
- Do it as part of planned (training) activity
- Use safety culture discussion cards
- Identify Safety Culture champions



### Next steps – Considerations



HOLDING

- Any relevant ongoing/existing/forgotten actions?
- Who will run the assessment (workshop/interview)?
- How will you ensure independence and impartiality?
- What skills are required for the running the workshop/interview?
- Do you need to do any site visits for discussions or observations?
- When is a group representative / good enough? How many people should attend?
- How can you deal with difficult situations?
- Who are the participants of the workshop/interview? Who shouldn't be there?
- How long will your workshop / interview be?

- How will you ensure anonymity & confidentiality?
- What are the aims of the assessment?
- How will you get staff released for the activities?
- Who do you need on board to do next steps?
- How will you compile the results?
- Who will you feed back to after taking action? How will you ensure that you close the feedback loop?
- How will you ensure the action plan is acted upon? Who do you need to ensure buy-in from?
- How will you prioritise actions?
- How will you "sell" the importance of Safety Culture to sceptics?
- When will you re-assess safety climate?



### Further reading





#### Links and Resources

- ERA Safety Culture Model
- ERA Safety Climate Survey Website
- Skybrary: Assessing Safety Culture in ATM
- Skybrary: Safety Culture
- Eurocontrol Safety Culture Discussion Cards
- ICSI: The essentials of safety culture
- SAFEORG: Tools for organizational safety
- Safety Culture in ATM: White Paper
- EUROCONTROL approach to Safety Culture
- Eurocontrol Safety Culture Programme
- RSSB Safety Culture Toolkit

#### **Books**

- James Reason: Managing the Risks of Organizational Accidents: Living with high-risk technologies.
- Carsten Busch: The First Rule of Safety Culture: A Counter-C-Word Manifesto