



HUMAN-MACHINE-
INTERACTION

TOC RATING TAKE-OVER-CONTROLLABILITY

Problem

The Assessment of take over situations is **not standardized**. Therefore several single signals are analyzed without being comparable.

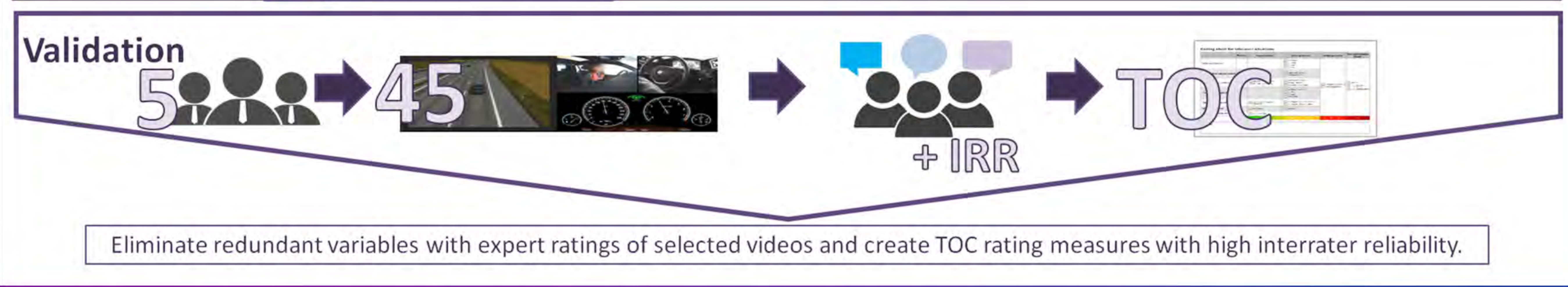
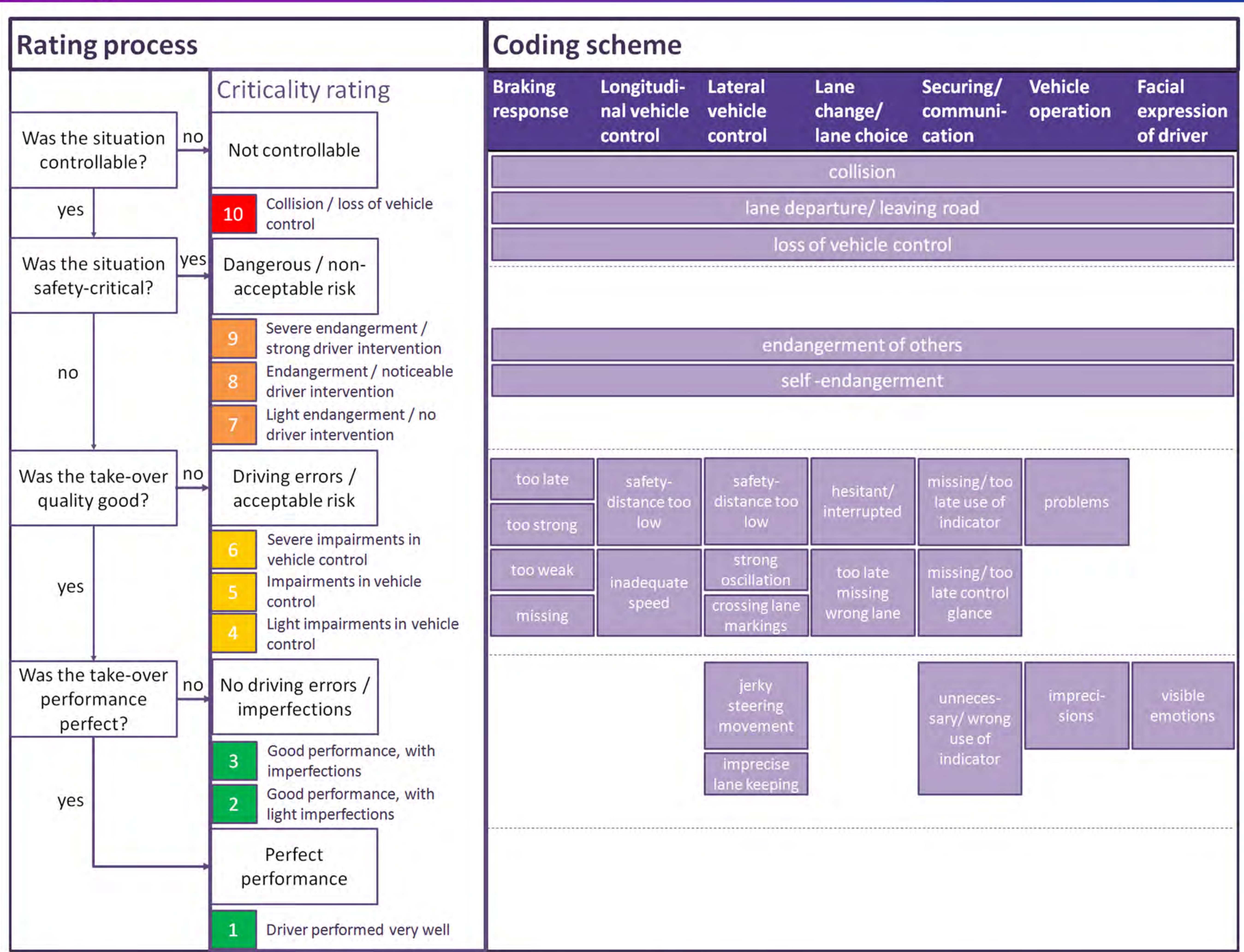


Create one **global controllability measure** combining all different dimensions

Aim

Develop a **standardized comparable assessment** for control transitions from automated to manual activity. Therefore create comparability of take overs detached from driver performance variables.

Rating



Rater procedure and training

rater training	conduct driving simulator study	extract videos with TO scenarios	expert rating with rating scheme
<p>Online training tool with example videos of TO www.toc-rating.de</p> <p>Rater get information about system behavior in TO scenarios</p> <p>One ideal solution is presented as a benchmark</p>	<p>Select a certain study which needs to be analyzed according to take-over performance</p>	<p>Video material of control transitions with at least three views</p> <ul style="list-style-type: none"> view of driving scene control elements driver and additional driver activities (incl. audio track) 	<p>Rate videos according to the standardized rating scheme</p> <p>Determine interrater reliability</p>

Conclusion

- ✓ Integrated controllability assessment across different studies possible
- ✓ Training for all members of WP3 and therefore possibility for all project partners to use the standardized method
- ✓ Further information available under www.toc-rating.de

