



# CONSULTATION WORKSHOP FOR ROAD SAFETY

## Ongoing efforts for vehicle inspections in Africa: Road safety perspective

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## - WHO WE ARE -

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*We are the world-wide association of authorities and authorized companies active in the field of vehicle compliance*

*We gather more than 140 organizations in over 50 countries*



*We make roads safer and cleaner.*

*Every day. Everywhere. Impartially. Responsibly.*

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# Vehicle inspection: impact



Costa Rica<sup>1</sup>:  
Inspection  
reduced  
crashes by a  
40%

Turkey<sup>2</sup>:  
Inspection  
reduced  
fatalities by a  
15%

Spain<sup>3</sup>:  
Mopeds'  
inspection  
reduced  
fatalities by a  
18%

Spain<sup>4</sup>:  
Emissions  
control  
prevents 400+  
premature  
deaths per  
year

USA<sup>5</sup>:  
5,6% fewer  
fatalities in  
states with  
safety  
inspection

Slovakia<sup>6</sup>:  
Crashes  
increase with  
the time  
elapsed since  
the last  
inspection

**Sources:**

<sup>1</sup> Reducing the death toll of road accidents in Costa Rica through the introduction of roadworthiness inspections by the government. W. H. Schulz and S. Scheler

<sup>2</sup> Impact study to estimate the economic effects of the introduction of PTI in Turkey. W. H. Schulz and S. Scheler

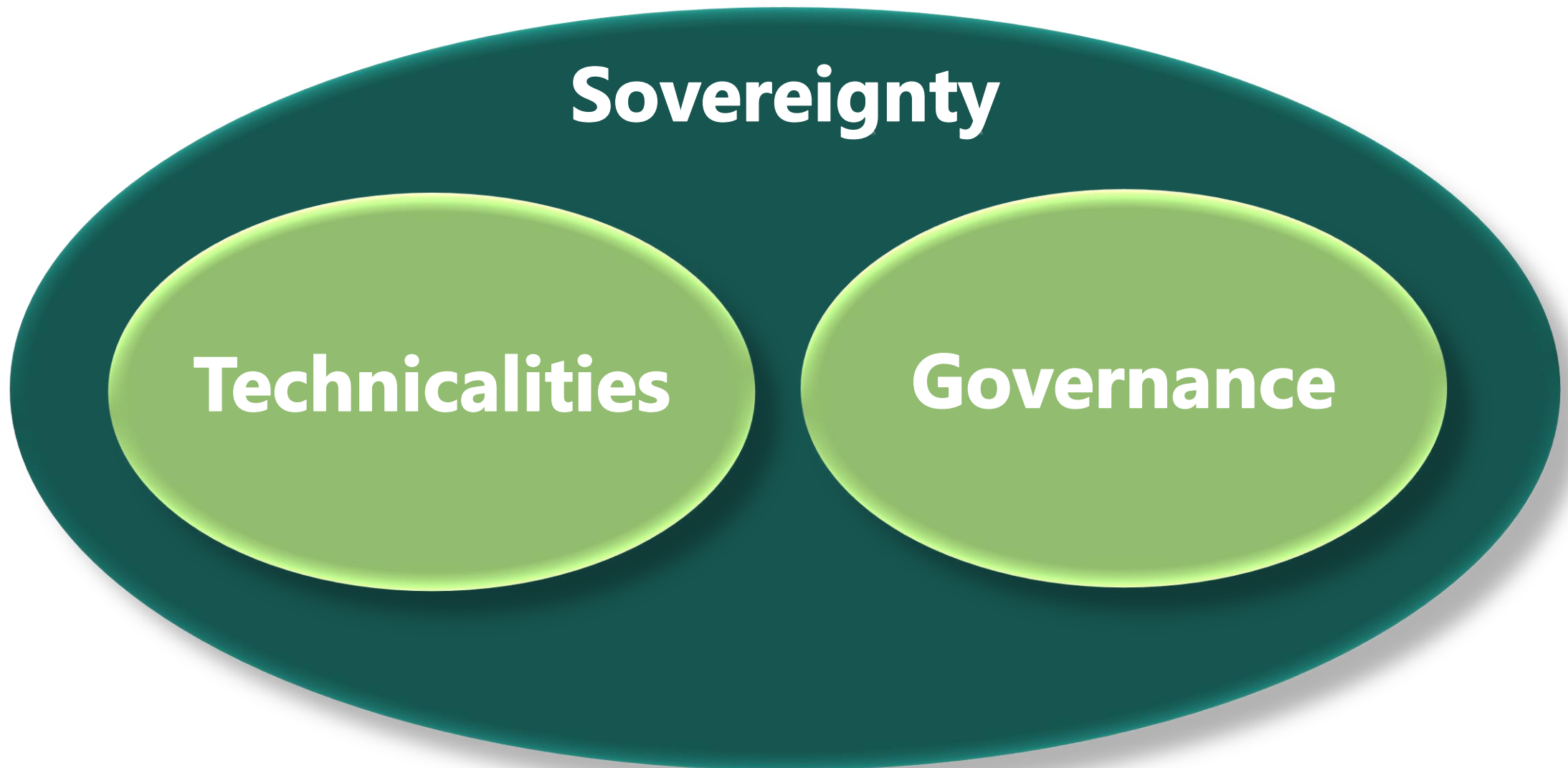
<sup>3</sup> Study on the inclusion of light trailers and two- or three-wheel vehicles in the scope of the periodic roadworthiness testing, European Commission

<sup>4</sup> Roadworthiness testing contribution to vehicle safety and environment, V. Díaz López, J.L. San Román García, A.M. Gómez Amador, S. Santos Cuadros and E. Olmeda Santamaría

<sup>5</sup> A data-driven assessment of safety inspection programs' efficacy. P. S. Acharya, L. AitBihiOuali, H. S. Matthews and J. Graham

<sup>6</sup> Effect of Periodic Technical Inspections of Vehicles on Traffic Accidents in the Slovak Republic. J. Hudec, B. Šarkan

# Vehicle compliance schemes



- **Customized solutions are expensive**
- **Worldwide standardization allows to take advantage of the work already done**
- **Mutual recognition requires reliable databases and communication**
- **ARSO, WP.29 Agreements, ...**

- **Vehicle Compliance Schemes: a governmental responsibility**
- **Standardization without governance is useless**
- **We need realistic and updatable vehicle compliance schemes**
- **Empowering authorities**

# AVIS Scoring

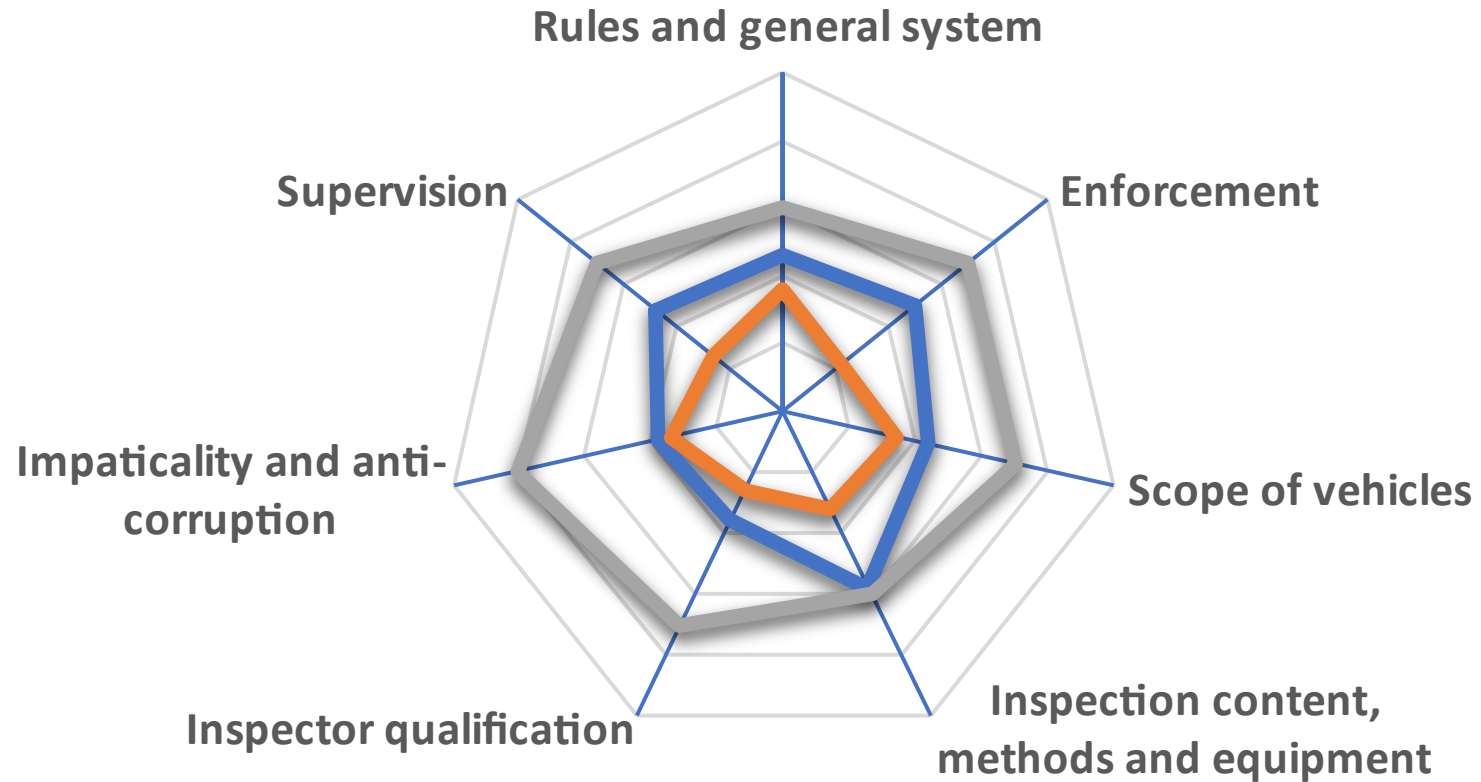
**The Avis Scoring is the step forward to facilitate the analysis of vehicle inspection schemes by using a star-scoring approach**





# AVIS Scoring

— Theoretical framework    — Implementation    — Target for the future



# In a nutshell



- ✓ **Vehicle compliance has a remarkable impact in road safety**
- ✓ **Governance, governance and governance**
- ✓ **Let's monitor the progress**



# Thank you for your attention!

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