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# New assessment and testing methods – Challenges for Technical Services

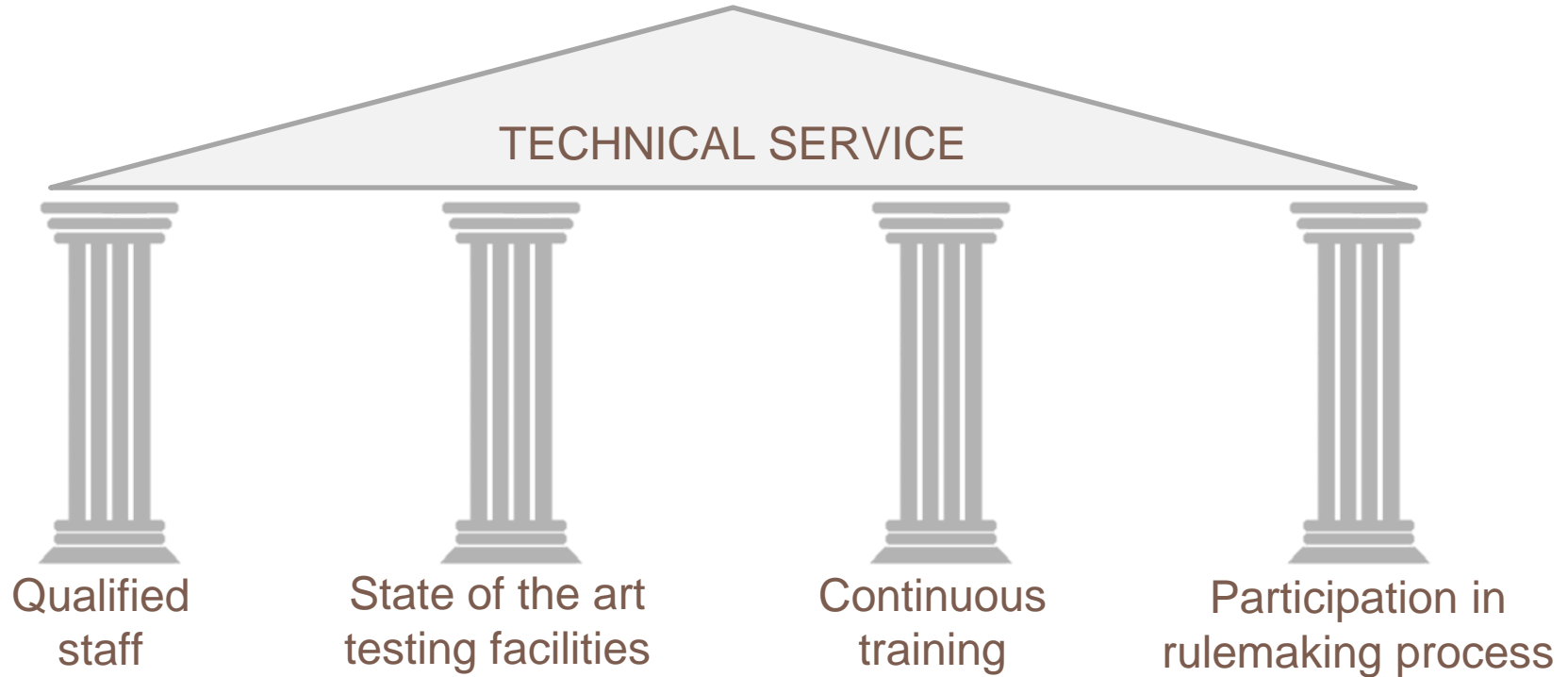
EUCAD Session BO8 22/04/2021

**Marta Tobar**

R&D Homologation Project Manager

# Future Trends

New approaches and processes require **new tools**



# Future Trends

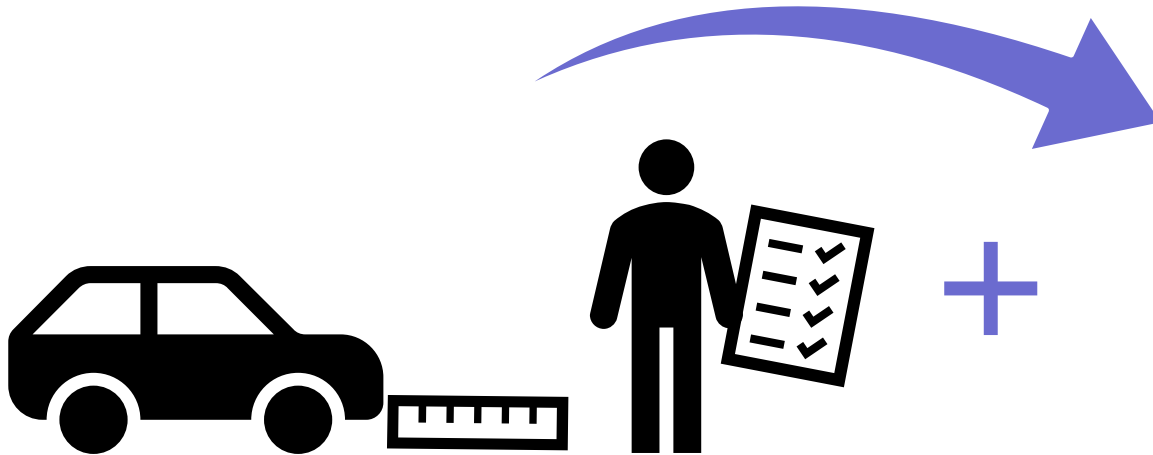
New approaches and processes require **new tools**

**Qualified staff**

State of the art testing facilities

Continuous training

Participation in rulemaking process



**Methodology knowhow**



**Technology knowhow**

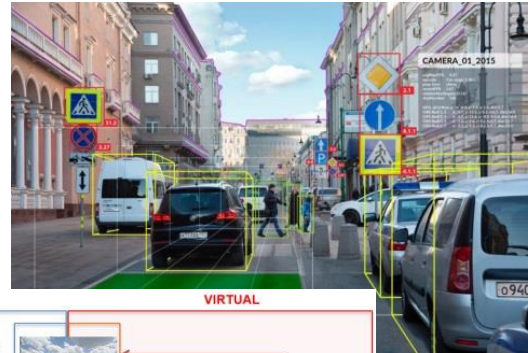
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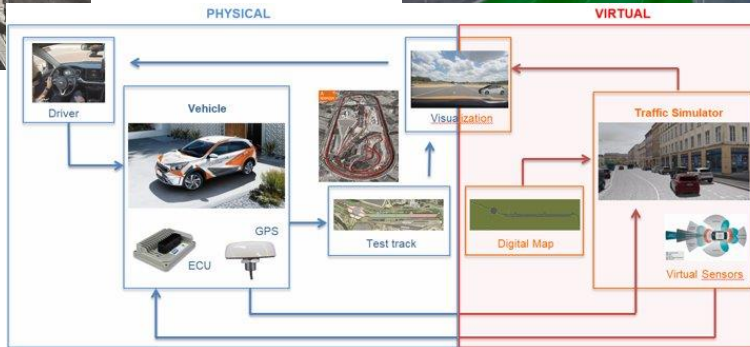


State of the art testing facilities



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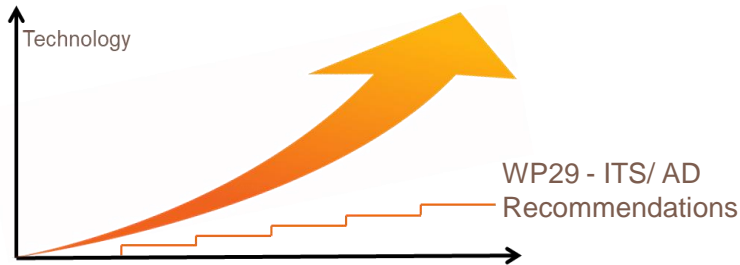
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New players & Traditional OEMs



European Commission



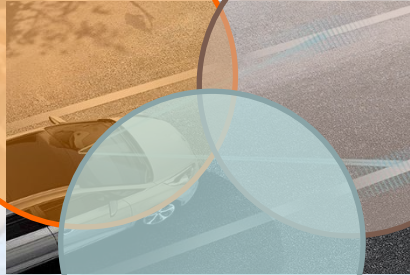
UNECE

# Future Trends

## UN Regulation No 157: Automated Lane Keeping Systems

- First UN Regulation that covers a SAE level 3 system
- ALKS controls the lateral and longitudinal movement of the vehicle for extended periods **without further driver command**

**Audit + Simulation**



**Track Testing**

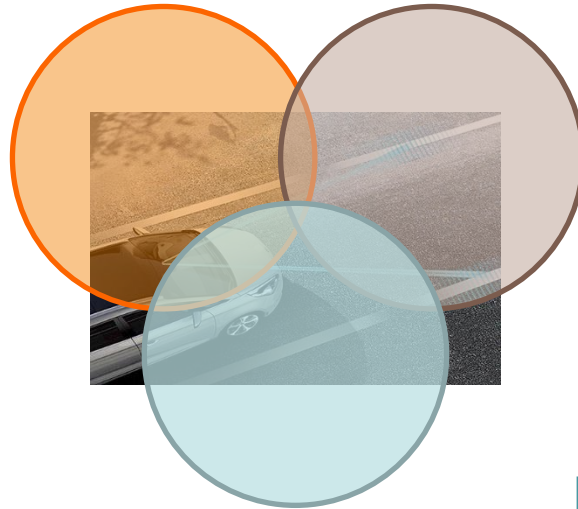
**Real World Testing**

# Future Trends

	<p>Define testing methodologies including scenario-based validation procedures using a multi pillar approach</p> <p><a href="https://www.headstart-project.eu/">https://www.headstart-project.eu/</a></p>
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**Audit + Simulation**

**Track Testing**






**Real World Testing**



# Future Trends

## Connected and automated driving European Projects

 <p><b>ENSEMBLE</b></p>	<p>Implement and demonstrate multi-brand truck platooning on European roads</p> <p><a href="https://platooningensemble.eu/">https://platooningensemble.eu/</a></p>
 <p>connected automated driving.eu</p>	<p>Common approach for the development, testing, and validation of Connected, Cooperative and Automated Driving</p> <p><a href="https://connectedautomateddriving.eu/about/arcade-project/">https://connectedautomateddriving.eu/about/arcade-project/</a></p>
 <p><b>SHOW</b> AUTOMATED URBAN MOBILITY</p>	<p>Real-life urban demonstrations of connected, electrified and automated urban transport taking place in cities across Europe</p> <p><a href="https://show-project.eu/">https://show-project.eu/</a></p>





Questions?  
Comments?

Thank you for your kind attention

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