

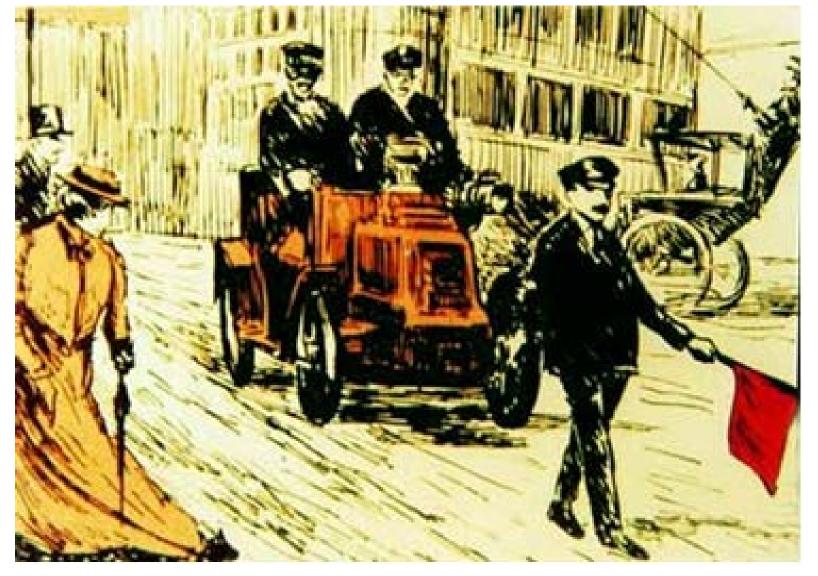


PILOTING AUTOMATED DRIVING ON EUROPEAN ROADS

Aria Etemad Volkswagen Group Research

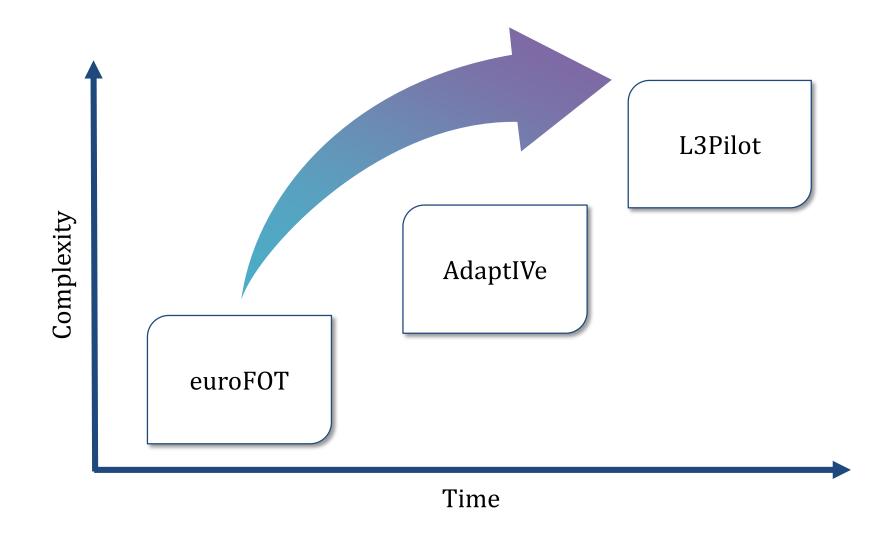
From 3 to 0





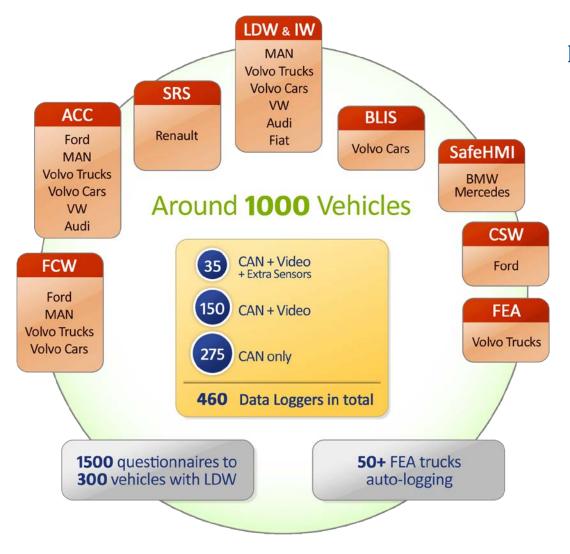
From euroFOT to L3Pilot





Previous Projects: euroFOT





Longitudinal control functions

- Forward Collision Warning (FCW)
- Adaptive Cruise Control (ACC)
- Speed Restriction System (SRS)

Lateral control functions

- Blind Spot Information System (BLIS)
- Lane Departure Warning (LDW)
- Impairment Warning (IW)

Advanced applications

- Curve Speed Warning (CSW)
- Fuel Efficiency Advisor (FEA)
- Safe Human Machine Interaction (SafeHMI)

Previous Projects: AdaptIVe

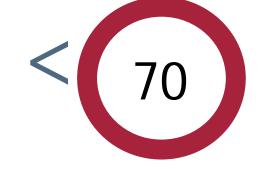






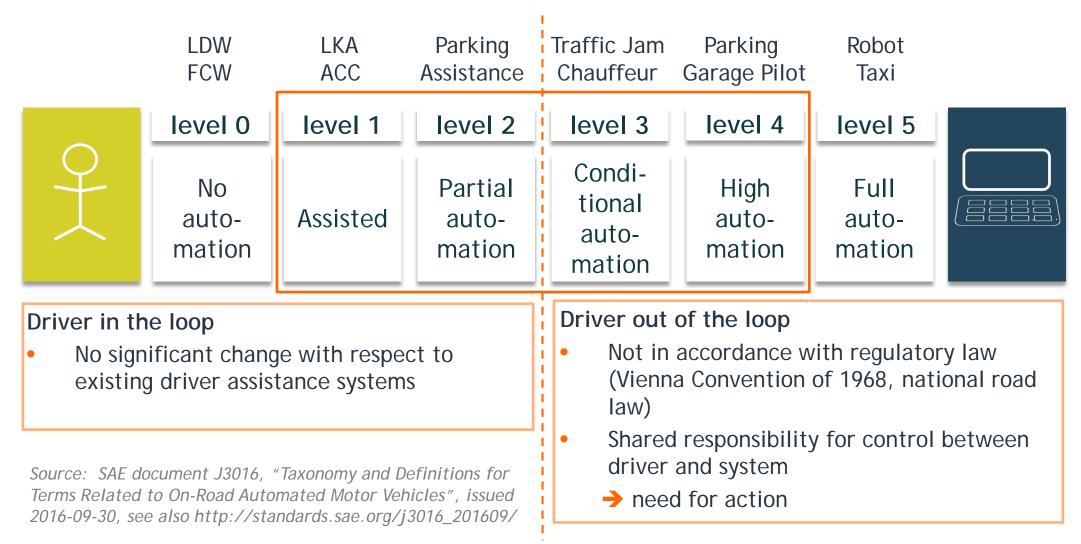






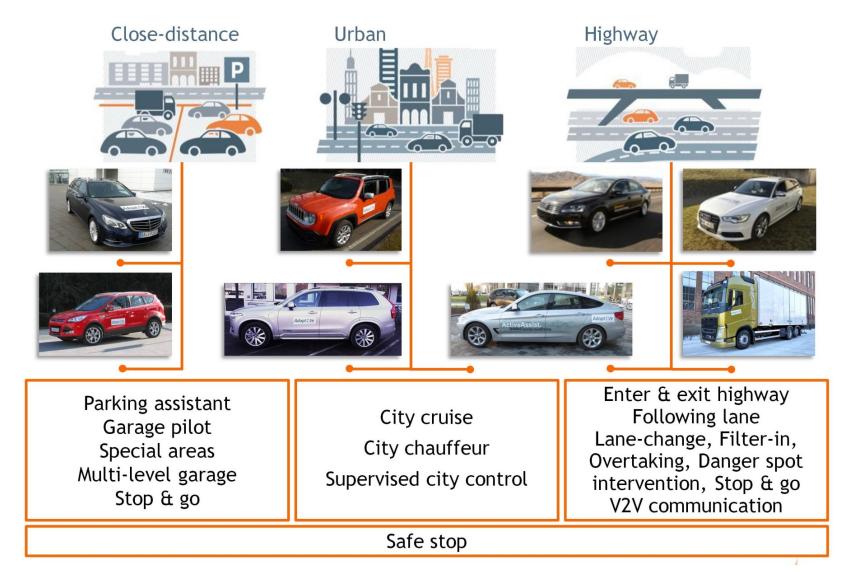


// Levels of driving automation acc. to SAE and VDA





// Demonstrators



// Achievement



- System Classification and Glossary
- Systematic derivation of relevant system parameters for:
 - Vehicle
 - Driver
 - Environment
- Public Deliverable D2.1 is available on the AdaptIVe website.

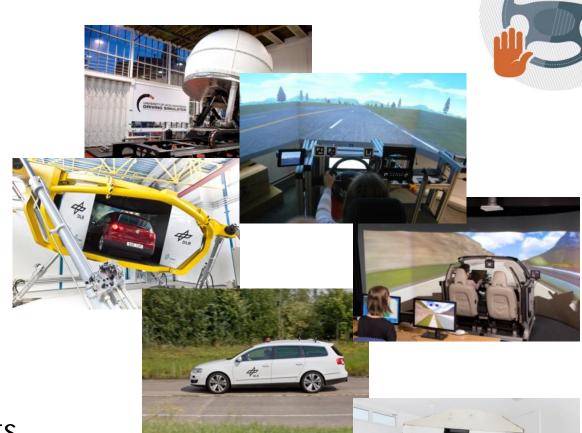
Deliverable D2.1 //
System Classification and Glossary

Dissemination level PU
Version 1.2
Due date 31.12.2014
Version date 06.02.2015



// Achievement

- A total of 17 experiments were conducted
 - Surveys
 - Simulator studies
 - Field studies
- Over 490 car and truck drivers
- One survey with 2743 respondents
- Basis for the human factors recommendations





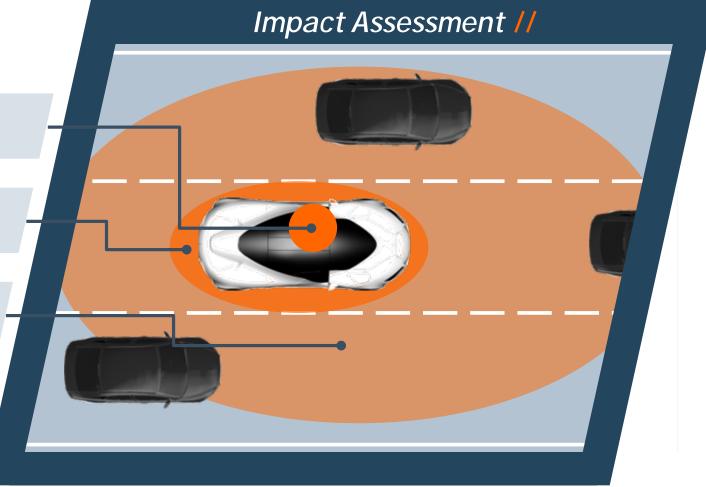
// Achievement



User-Related Assessment //

Technical Assessment //

In-Traffic Behaviour Assessment //





// Evaluation of AdaptIVe functions

// Technical assessment:

"Considering human driver behaviour as a baseline, the AdaptIVe automated driving functions are showing a more uniform driver behaviour."



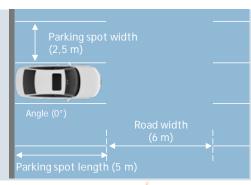


// User-related assessment:

"Test persons noted that automated driving functions affected driving positively in several ways, e.g. fewer dangerous lane changes"

// Impact Assessment:

"Automated parking functions can lead to a possible increase of parking space by 17 %."





Facts



Project name: L3Pilot - Piloting Automated Driving on European Roads

Budget: €68 million

Funding: €36 million

Start: September 2017

Duration: 48 months

Coordinator: Aria Etemad, Volkswagen Group Research

Participants: 34 (OEMs, suppliers, research, SMEs, insurers, authorities and user groups)

Countries: Austria, Belgium, France, Finland, Germany, Greece, Italy, Netherlands, Norway,

Sweden, Switzerland, UK





Project Partners



OEMs

VOLKSWAGEN AKTIENGESELLSCHAFT



























DAIMLER



Suppliers







Research









Deutsches Zentrum für Luft- und Raumfahrt German Aerospace Center



















SMEs





Insurers









RDW User

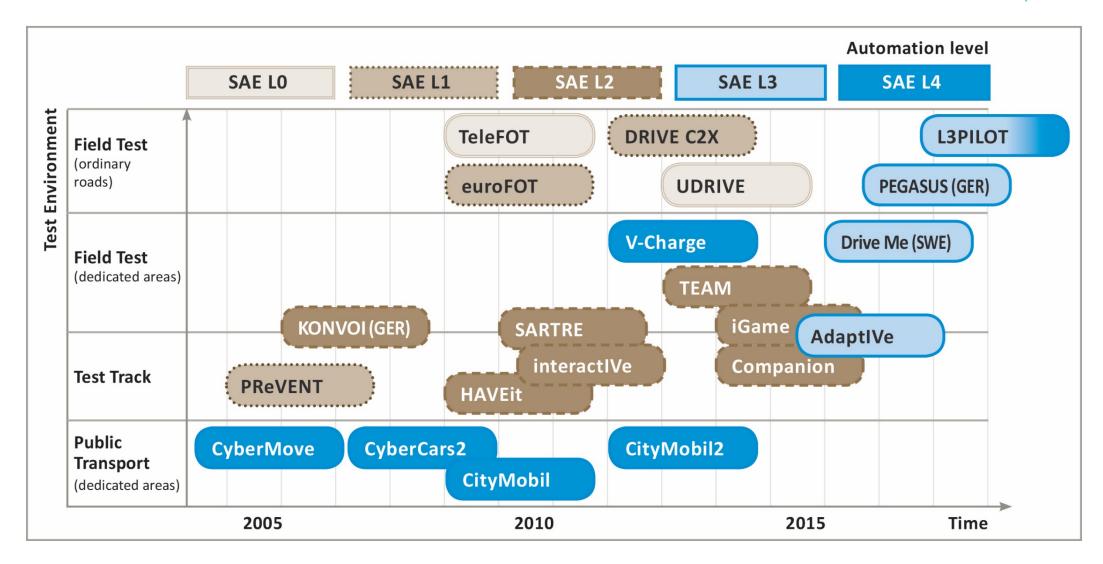


groups



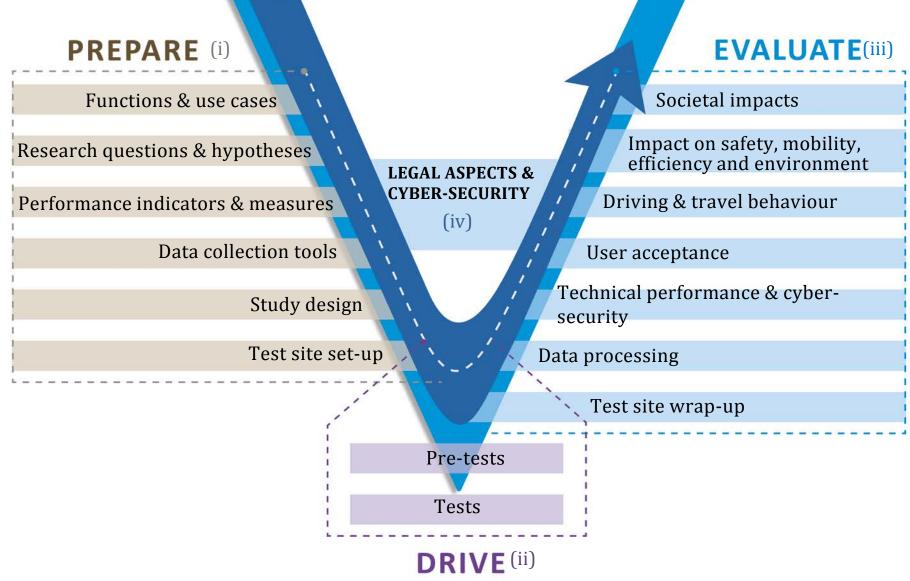
Landscape on Major European Projects preparing AD





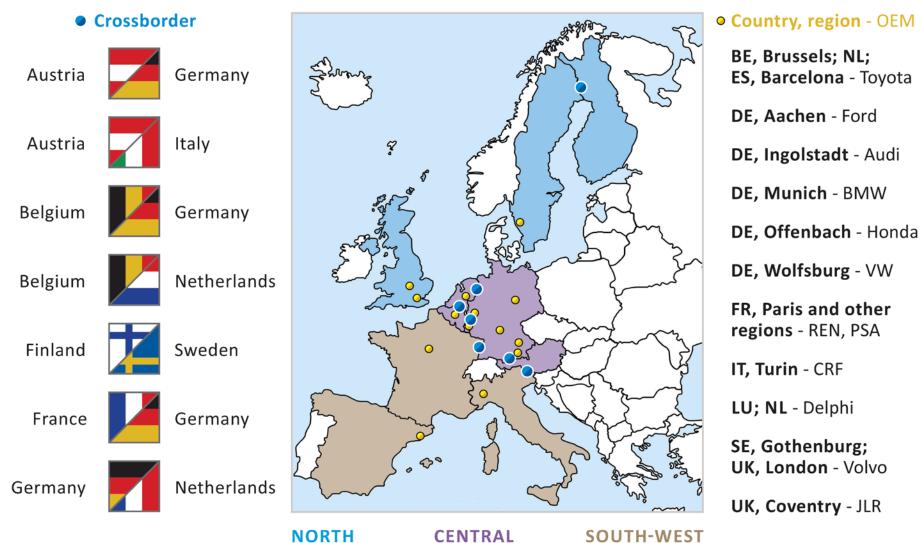
FESTA Methodology





Pilot Centers for a Pan-European Pilot







THANK YOU FOR YOUR KIND ATTENTION

Aria Etemad Volkswagen Group Research

