



Piloting Automated Driving on European Roads

2019 Digital Transport Days

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Hristiyan Stoyanov, EICT

on behalf of Aria Etemad, Volkswagen AG

Facts



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 723051.



€68 million BUDGET

48 months DURATION, starting in September 2017

€36 million FUNDING

34 PARTNERS, among them OEMs, suppliers, research, SMEs, insurers, authorities and user groups

12 COUNTRIES involved: Austria, Belgium, France, Finland, Germany, Greece, Italy, Netherlands, Norway, Sweden, Switzerland, UK

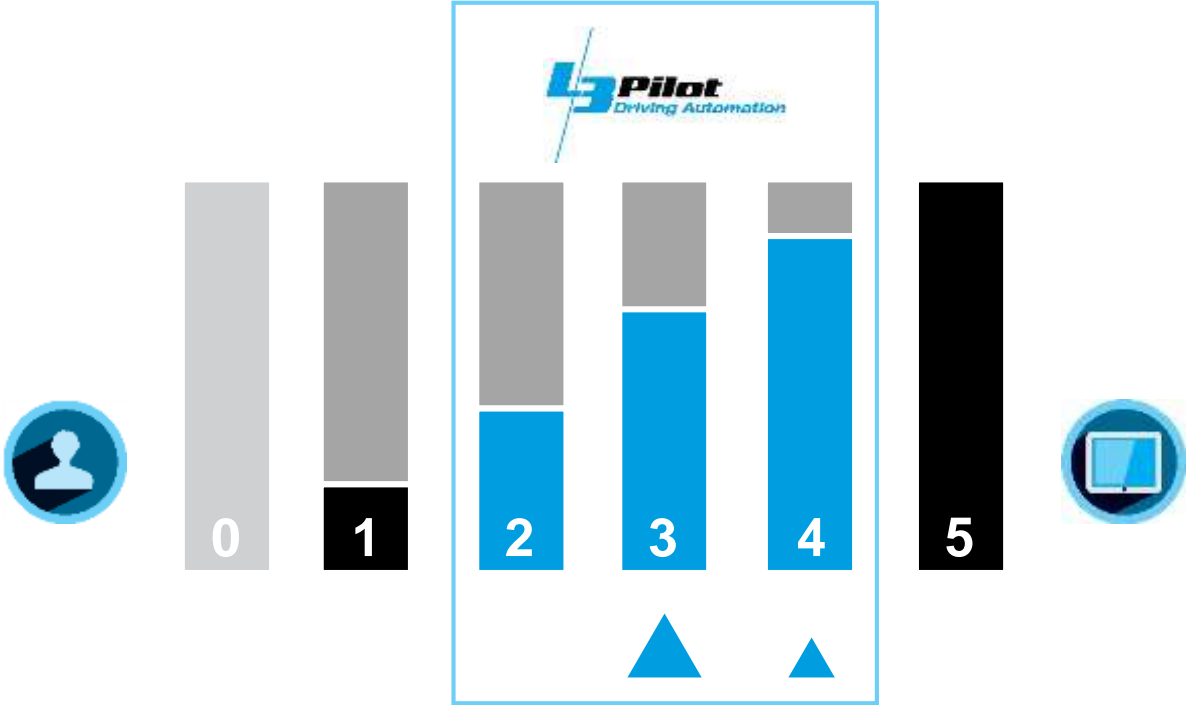
L3 Pilot
Driving Automation

1 000
drivers

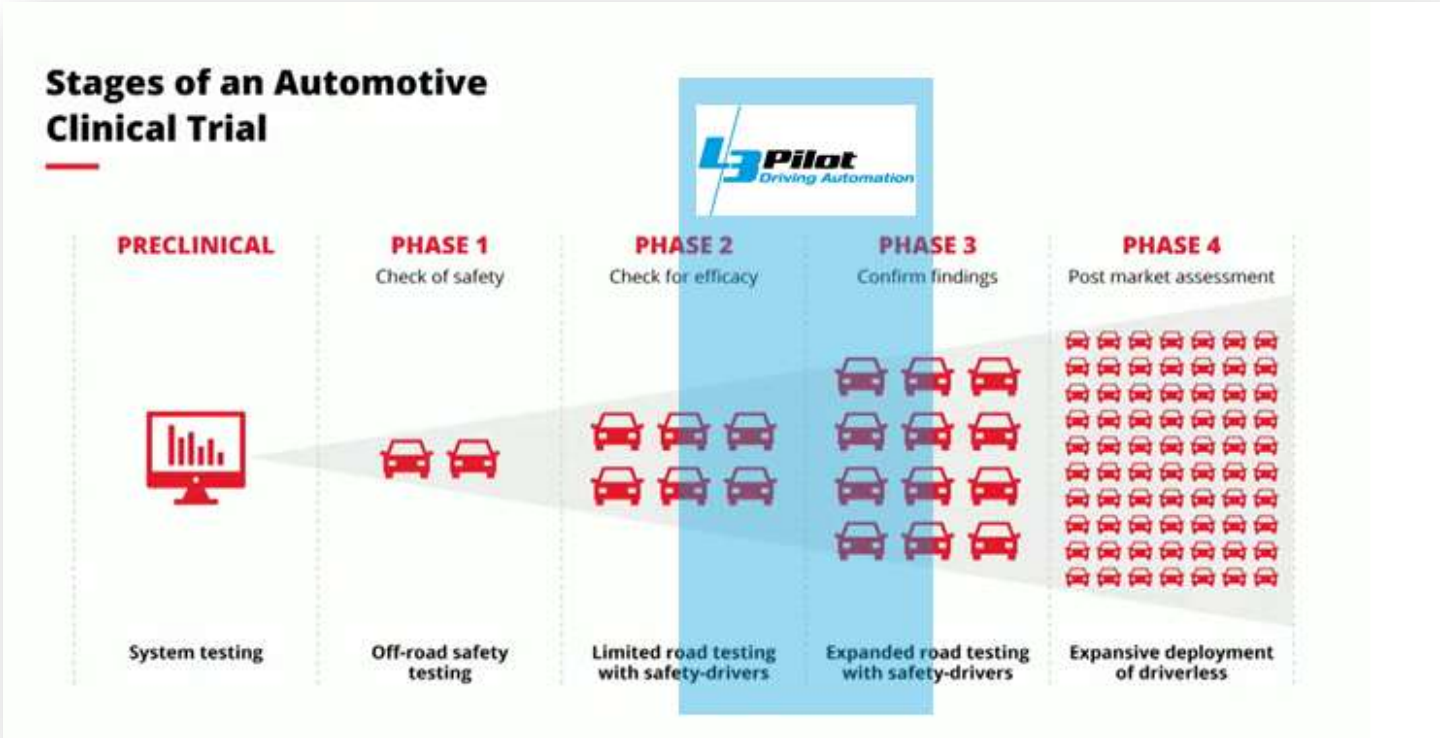
100
cars

10
countries

L3Pilot SAE Levels



A Pilot is...











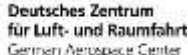







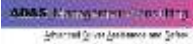



Source: Bryan Reimer, MIT – Tedx Waltham Event, June 2018

Pilot across Europe

COUNTRY / REGION / PARTNER 	
BE / Brussels	Toyota
DE / Aachen	Ford / Ika
DE / Munich	BMW
DE / Offenbach	Honda
DE / Wolfsburg	VW
DE / Ingolstadt	Audi
FR / Paris and other regions	REN / PSA
IT / Turin and Trento	CRF
LU / NL	Aptiv
SE / Gothenburg	Volvo
UK / Coventry	JLR
+ Cross-border activities	



Partners

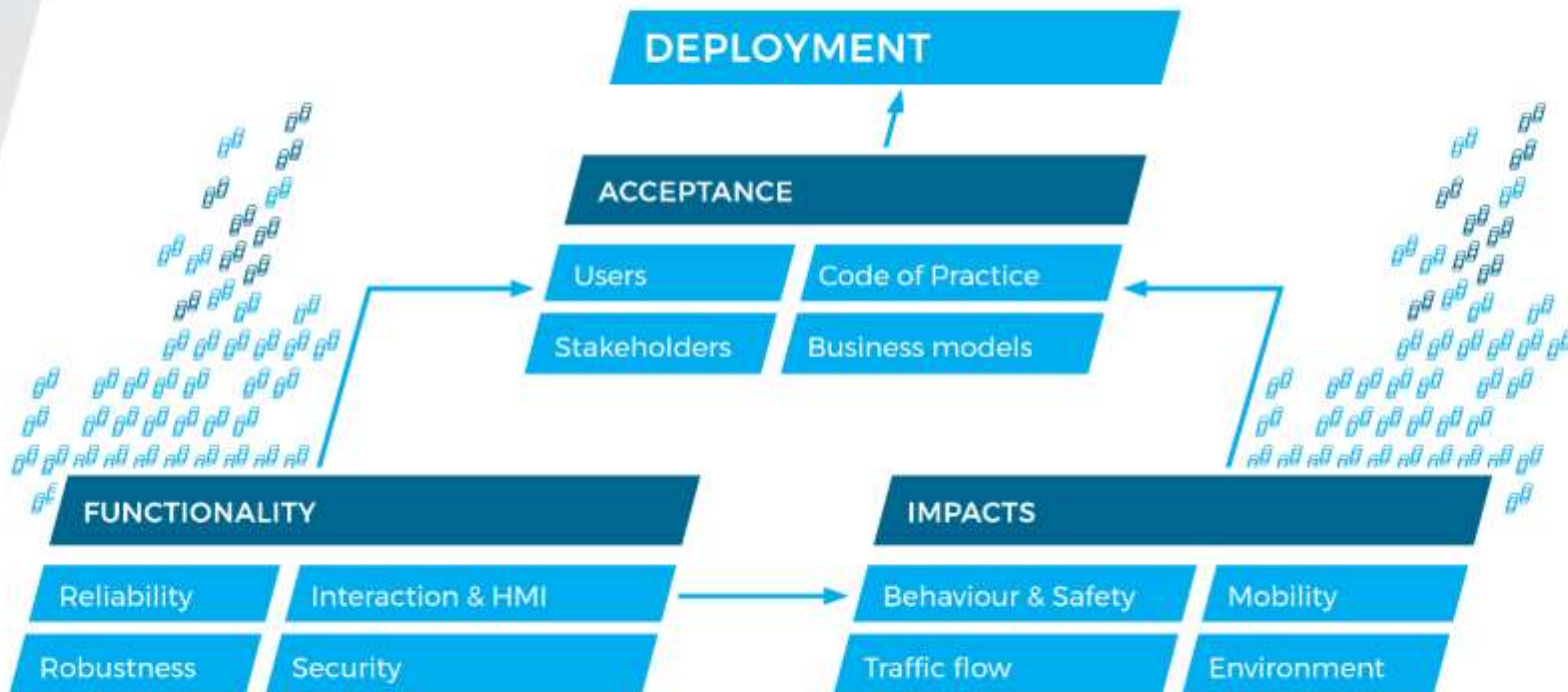
OEMs	              				
Suppliers	  	Researchers	              		
SMEs	 				
Insurers	 	Authority		User group	



1,000 drivers

100 cars

10 European countries



1,000 drivers 100 cars 10 European countries Piloting Automated Driving on European Roads.

Methodology



Data



Evaluation



Fleet



Piloting



Code of Practice



PREPARE

DRIVE

EVALUATE

DEPLOY - Europe-wide Piloting Environment - User Studies - Business Studies



TRAFFIC JAM CHAUFFEUR



MOTORWAY CHAUFFEUR

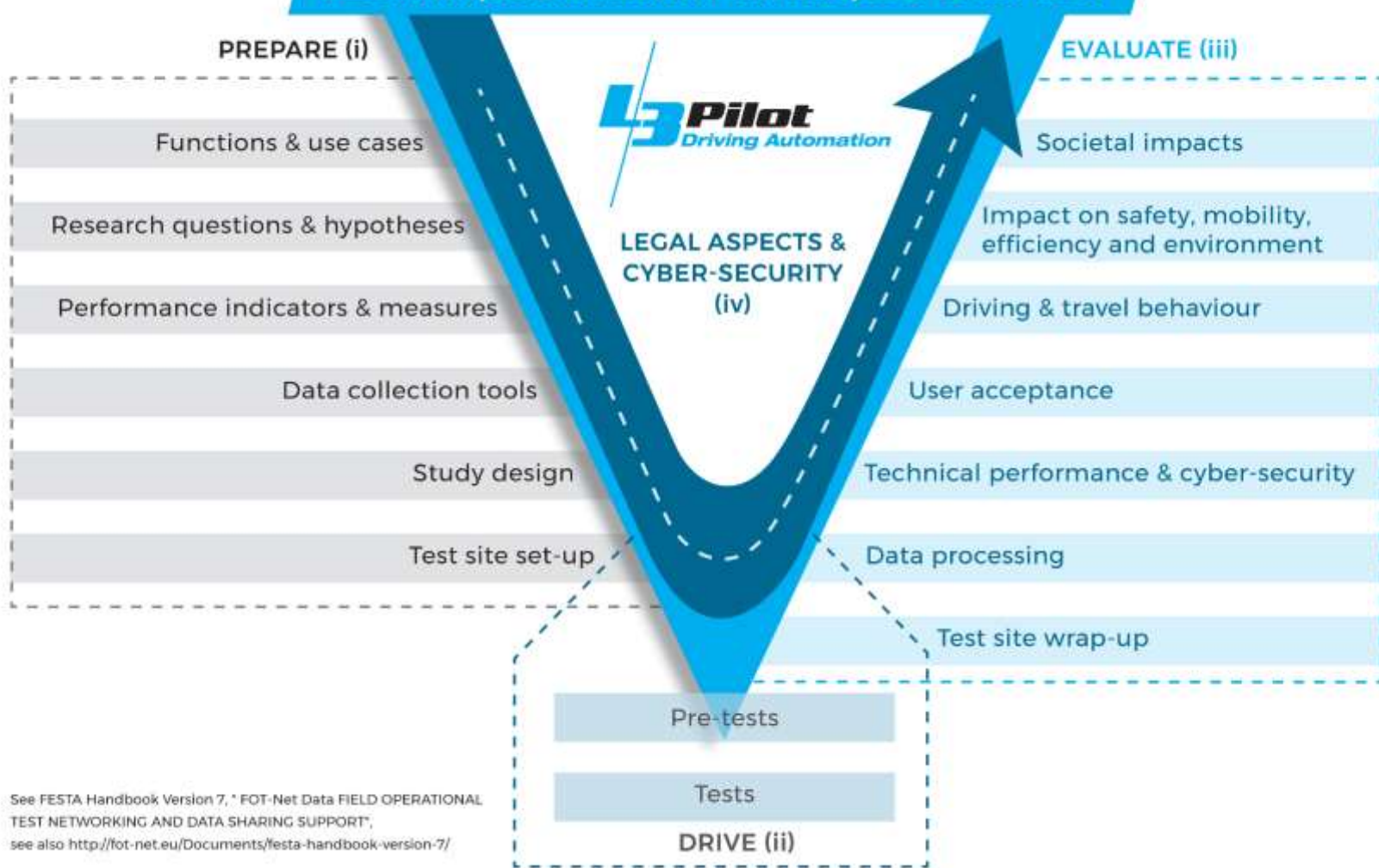


PARKING CHAUFFEUR



URBAN CHAUFFEUR

FESTA Implementation Plan adapted to L3PILOT



See FESTA Handbook Version 7, "FOT-Net Data FIELD OPERATIONAL TEST NETWORKING AND DATA SHARING SUPPORT", see also <http://fot-net.eu/Documents/festa-handbook-version-7/>

Towards Deployment

Create a **Europe-wide piloting environment for automated driving**. Harmonise the test sites in terms of compliance with automated driving testing. Prepare Europe for large-scale field operational tests (FOTs).

Provide longitudinal data on **user acceptance** towards Advanced Driver Assistance Systems (ADAS) and vehicle automation.
Publish annual survey.

Create **Code of Practice**: comprehensive guideline with best practices for the development and deployment of ADFs

Explore trends and commercialisation potentials of automated driving and L3Pilot functions.



Thank you for your kind attention.

Aria Etemad
Volkswagen Group Research
aria.etemad@volkswagen.de

Hristiyan Stoyanov
EICT GmbH
hristiyan.stoyanov@eict.de



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