

Piloting Automated Driving on European Roads

Automated Vehicle Symposium Orlando, 16 July 2019

Satu Innamaa VTT Technical Research Centre of Finland Ltd.











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



Partners

VOLKSWAGEN
AKTIENGESELLSCHAFT











DAIMLER















TOYOTA



Suppliers

OEMs



SMEs











Deutsches Zentrum für Luft- und Raumfahrt German Aerospace Center























nsurers





Authority













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

Methodology

Data

Evaluation











Fleet

Piloting

PREPARE

DRIVE

EVALUATE



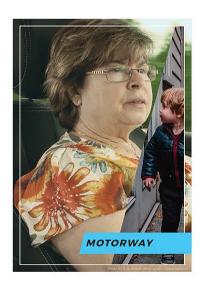








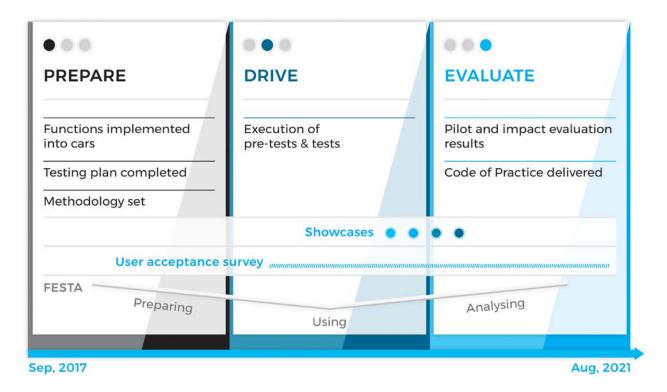






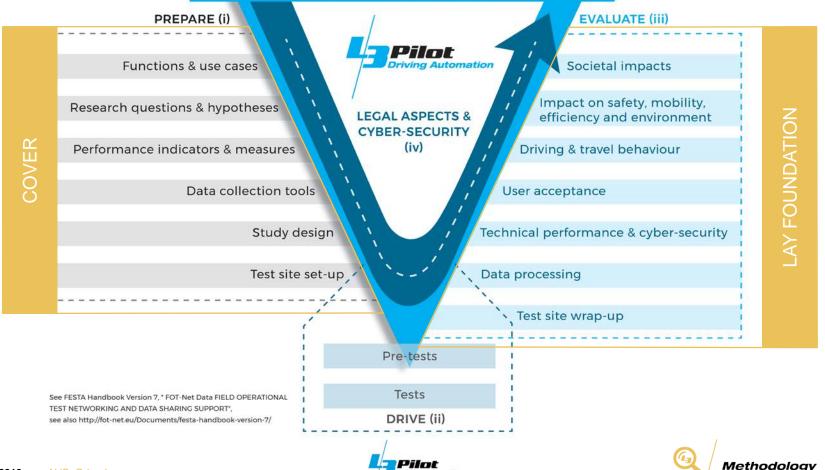


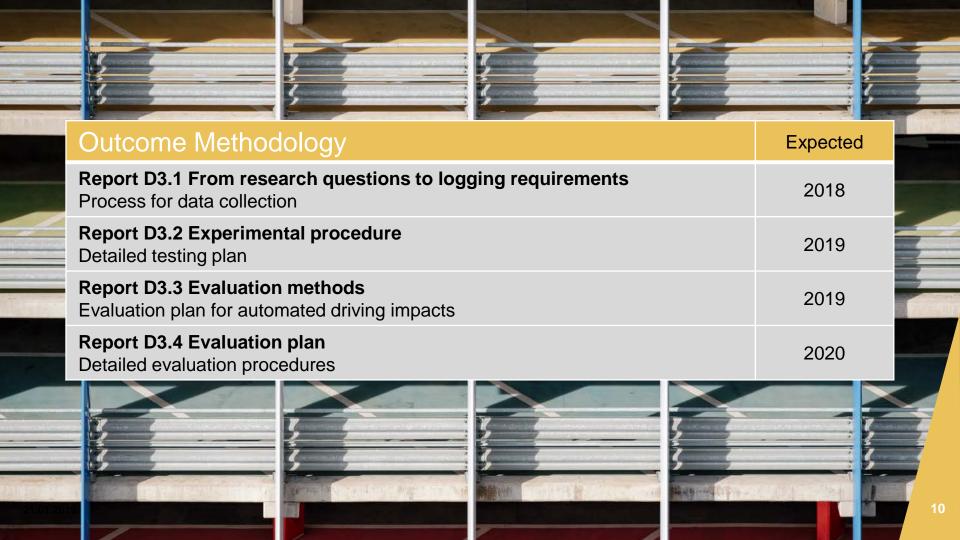
Timeline



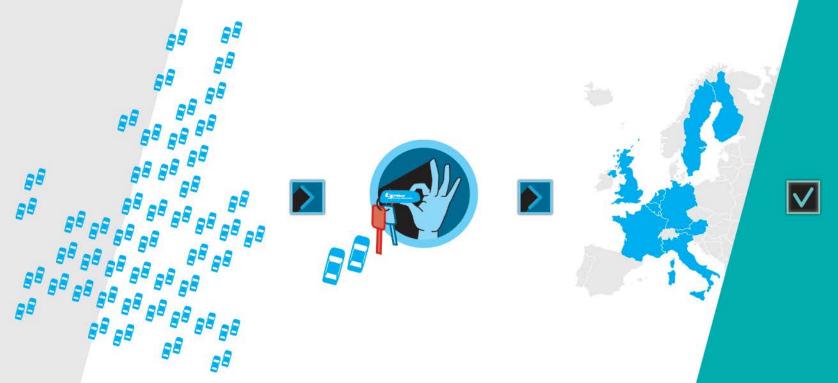


FESTA Implementation Plan adapted to L3PILOT





The Cars are ready for Pilot.

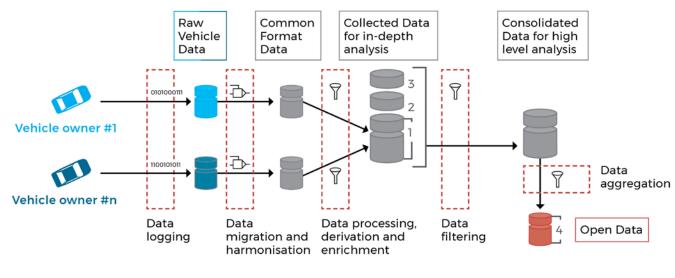


16 July 2019 AVS, Orlando

Outcome Fleet	Expected
Report D4.1 Description and taxonomy of automated driving functions Automated driving functions detailed	2018
Report D4.2 Legal requirements to automated driving piloting Legal constraints and requirements	2019
Report D4.3 Summary Summary of the work of the sub-project Fleet	2021



Expected Data Flow



Categories of data:

Tools provided by SP5

- 1 Derived Vehicle Data (CAN, GPS, PIs, video, and/or video annotations)
- 2 Subjective Data (interviews, questionnaires, simulator studies)
- 3 External Data (weather, map, infrastructure, other traffic participants, ...)
- 4 Open Data (aggregated data)

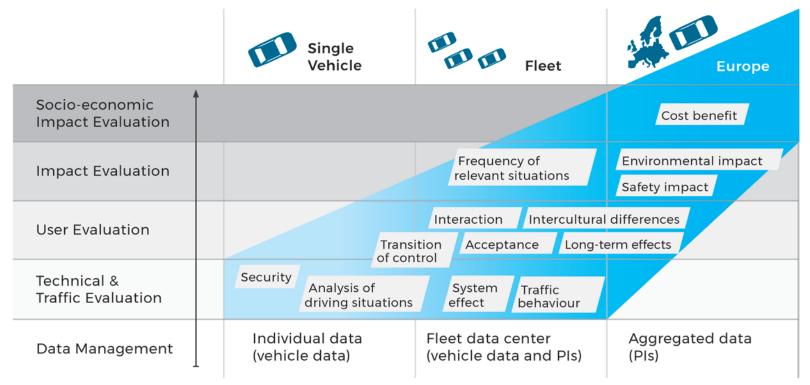
© L3Pilot





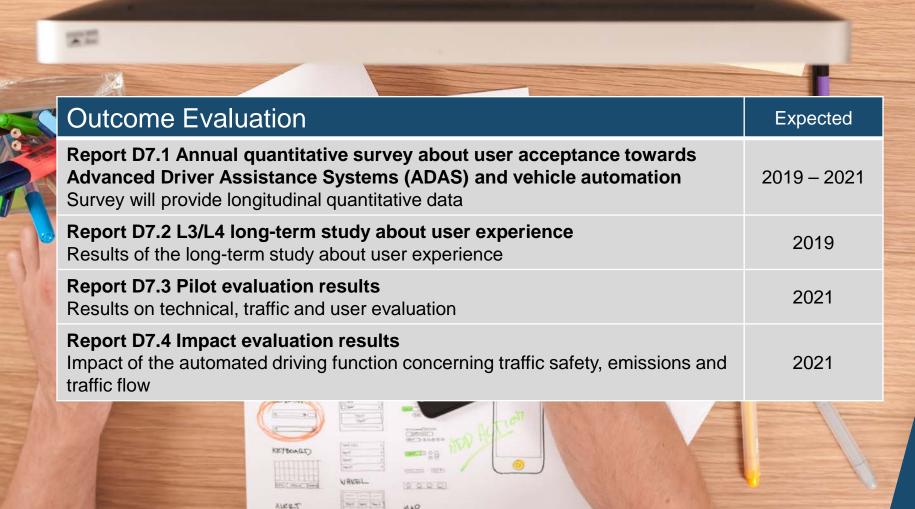


Evaluation









Code of Practice

Objective to provide a comprehensive guideline with best practices for the development of functions: Code of Practice for automated driving.

- Collect best practices on relevant topics.
- Describe a typical process for an automated driving function.
- Include hands-on checklists.
- Include safety aspects and methods to confirm a safe operation of automated driving functions.







Thank you for your kind attention.

Satu Innamaa Satu.Innamaa@vtt.fi +358-40-7610717



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

© L3Pilot project/photographers: depositphotos/Solomin Viktor, Andrey Popov, leungchopan, fbmadeira, natlit; Nils Kampendonk; Volkswagen AG; Unsplash/Dawid Zawiła, Samuel Zeller, NeONBRAND, Brooke Cagle, Axel Antas-Bergkvist, Paul Gilmore, Depositphotos, Nadine Shaabana on Unsplash, Alessio Lin, Rucksack Magazine on Unsplash, Kyle Nieber on Unsplash, Flo Pappert on Unsplash, Roman Koester, Serhat Bevazkava on Unsplash, Pixnio.com/fr