

interACT – Project overview

Anna Schieben DLR e.V., Institute of Transportation Systems INEA ART Workshop, 12 December 2017, Brussels



Integrating automated vehicles in mixed traffic

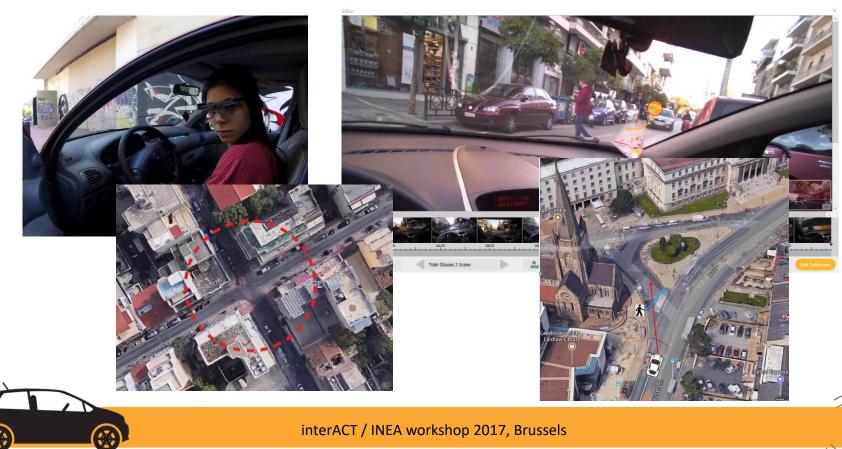


2

Situation Today Other traffic participants interact On-board driver Future situation: Automated vehicles in mixed traffic enviroments interact interact Other traffic On-board user participants Vehicle automation interact, interACT / INEA workshop 2017, Brussels 6.7.5

Interaction today



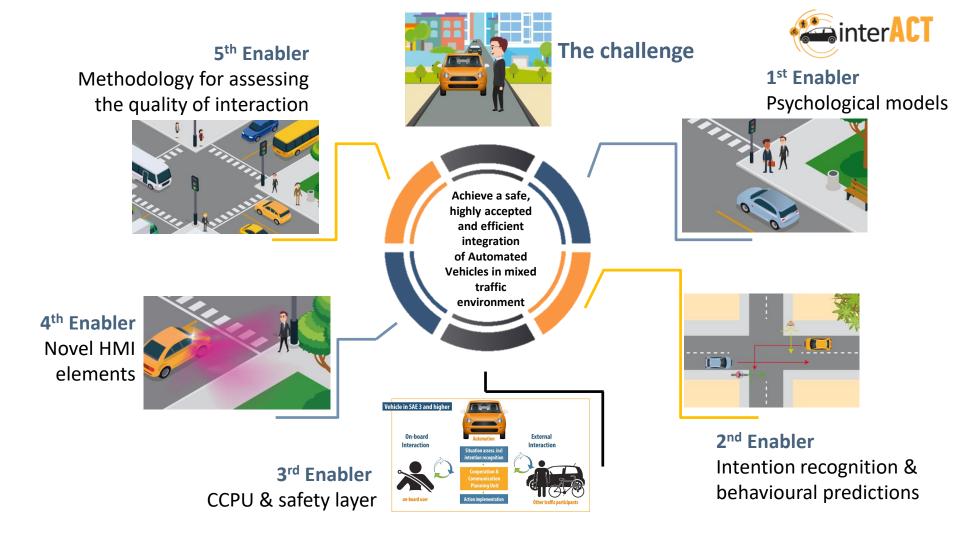


Challenges of interACT



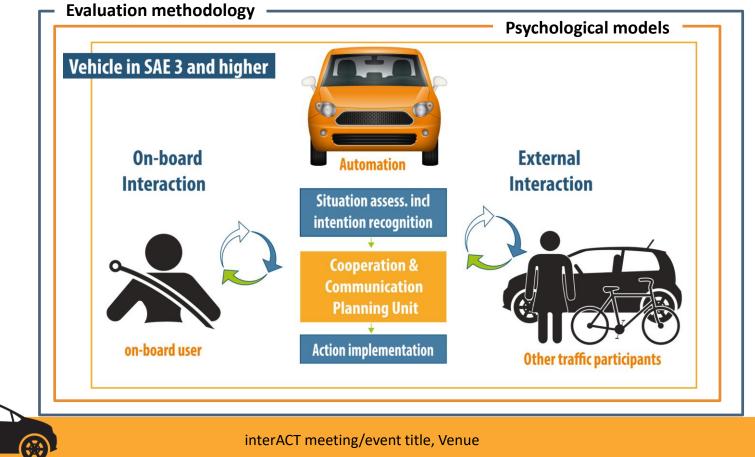
- The interACT project will address the following challenges:
 - Safe integration of AVs (SAE level 3 and above) into complex, mixed traffic environments
 - Solutions for expectation-conforming interaction of AVs with other road users and on-board users
 - Increase in user acceptance and ease-of use by appropriate AV design
 - Increase the **overall safety and reliability** of AVs in mixed traffic environments





Technical approach





Project team







interACT / INEA workshop 2017, Brussels

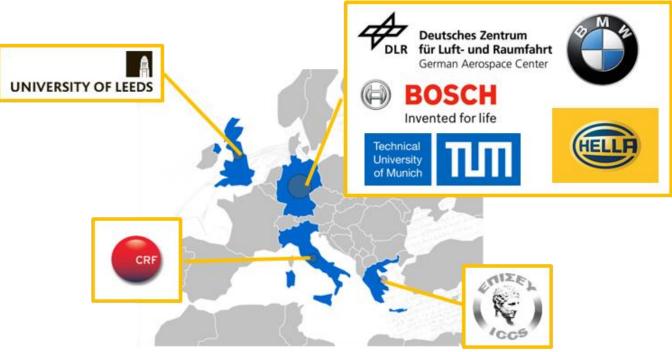
Project facts



- Programme: EU/H2020-ART04 Safety and end-user acceptance aspects of road automation in the transition period
- **Duration**: 36 months
- **Period**: May 2017 April 2020
- **EU Funding**: 5.527.581 €
- Coordinator: Anna Schieben, DLR
- **Partners:** 8 industrial and academic partners from 4 European countries (Germany, Italy, Greece, UK)
- **Project Officer:** Georgios Charalampous (INEA)
- **US EU twinning project**: AVIntent (NHTSA)

Project consortium







interACT / INEA workshop 2017, Brussels

Potential areas of cooperation



Exchange of information on:

- Interaction of humans with AV in mixed traffic
- HMI development
- Intention recognition of VRUs
- Vehicle intelligence incl. safety layer/ fail-safe trajectory planning





http://interact-roadautomation.eu

Thank you Any questions?





This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 723395