

## Welcome to the 2<sup>nd</sup> day of the interACT Virtual Final Event!

We are very excited to be presenting further results of our project today.



Time	Topic
<b>Opening session</b>	
<b>13:00-13:05</b>	<b>Welcome</b> <i>Mrs. Anna Schieben, Coordinator of interACT Project, DLR e.V., Germany</i>
<b>13:05-13:15</b>	<b>“interACT – the vision of automated vehicles in mixed traffic”</b> (Summary of Day I) <i>Mrs. Anna Schieben, Coordinator of interACT Project, DLR e.V., Germany</i>
<b>13:15-13:35</b>	<b>Keynote</b> <i>Mr. Tom Alkim, Policy Officer Connected &amp; Automated driving at the European Commission, Directorate General Research &amp; Innovation</i>

<b>13:35-15:40</b>	
<b><i>The implementation and evaluation of the interACT research: Developing the Human-Machine interaction, implementing the demonstrator vehicles and evaluating the interACT solutions</i></b>	
<i>Moderators: Mrs. Anna Schieben, DLR e.V. Germany   Mrs. Natasha Merat, ITS Leeds, UK</i>	
<b>13:35-14:05</b>	<b>“Developing interaction strategies and novel HMI concepts”</b> <i>Mr. Marc Kaup, HELLA, Germany   Mr. Florian Weber, BMW, Germany</i>
<b>14:05 –14:15</b>	Q&As
<b>14:15-14:35</b>	<b>“Integration and technical Testing of the interACT demonstrator vehicles ”</b> <i>Dr. Fabio Tango, CRF, Italy</i>
<b>14:35-14:45</b>	Q&As
<b>14:45-15:20</b>	<b>“Testing the interACT solutions: Methodologies and results for evaluation and impact assessment</b> <i>Dr. Yee Mun Lee, ITS Leeds, UK</i>
<b>15:20-15:30</b>	Q&As
<b>Closing session</b>	
<b>15:30-15:40</b>	<b>Wrap up of Day II and Conclusions of the project</b> <i>Mrs. Anna Schieben, Coordinator of interACT Project, DLR e.V., Germany</i>

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gotowebinar





Virtual Final Event

# interACT - The vision of automated vehicles in mixed traffic Summary of Day 1

Anna Schieben

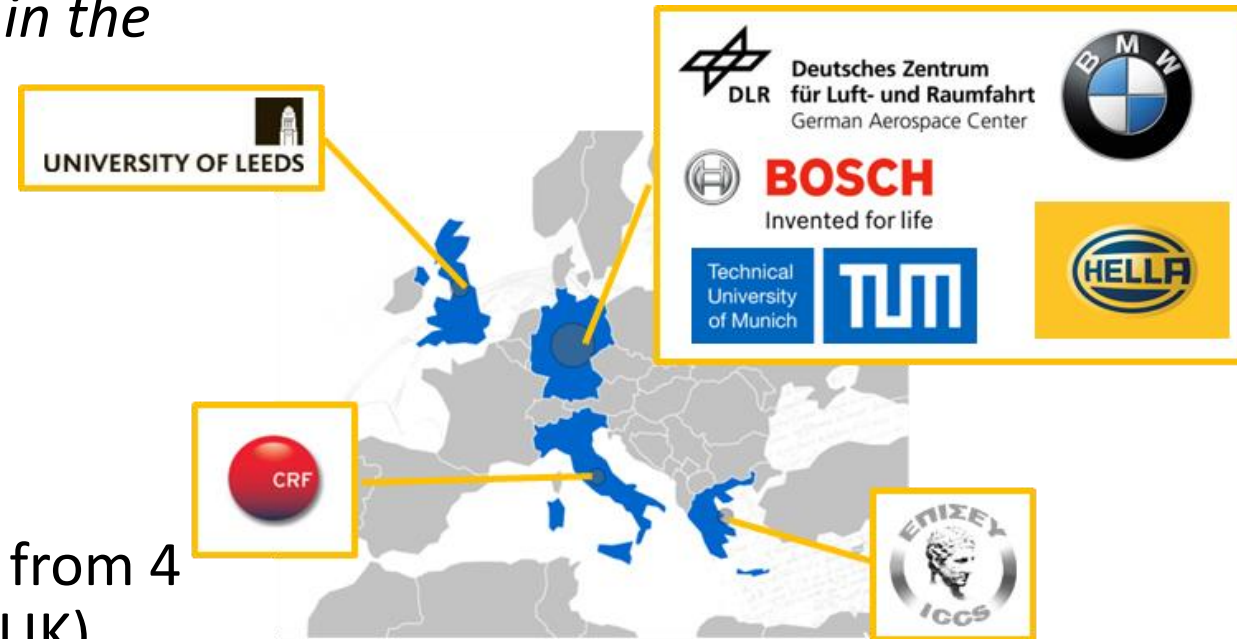
**DLR e.V.**

*19 June 2020*



*This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 723395. This material reflects only the author's view and the Innovation and Networks Executive Agency (INEA) and the European Commission are not responsible for any use that may be made of the information it contains.*

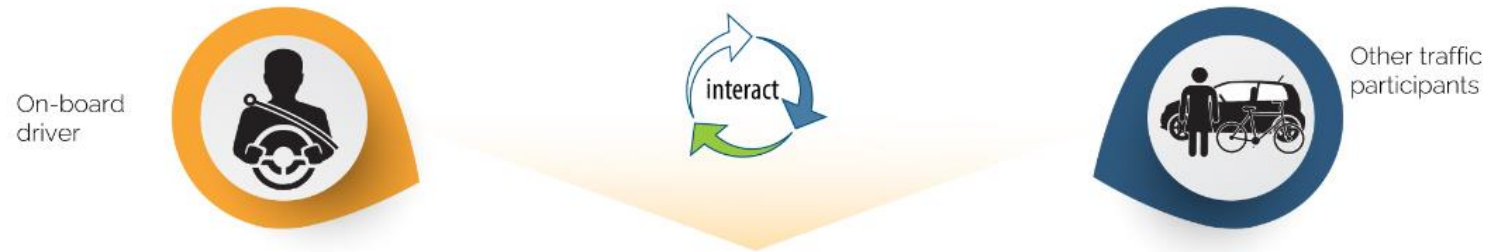
- **Programme:** EU/H2020-ART04 - *Safety and end-user acceptance aspects of road automation in the transition period*
- **Duration:** 36 months
- **Period:** May 2017 – April 2020 (Sept. 2020)
- **EU Funding:** 5.527.581 €
- **Coordinator:** Anna Schieben, DLR
- **Partners:** 8 industrial and academic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



# Integrating automated vehicles in mixed traffic

[www.interact-roadautomation.eu](http://www.interact-roadautomation.eu)

## Situation Today



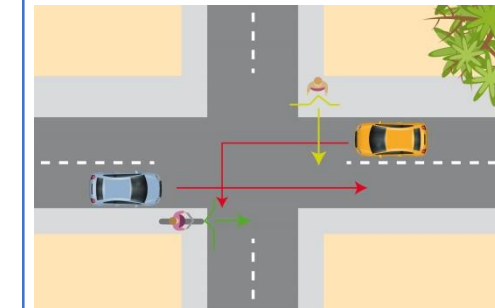
## Future situation: Automated vehicles in mixed traffic environments



**1<sup>st</sup> Objective**  
Psychological models



**The challenge**



**2<sup>nd</sup> Objective**  
Intention recognition & behavioural predictions

**3<sup>rd</sup> Objective**  
CCPU & safety layer



**5<sup>th</sup> Objective**  
Methodology for assessing the quality of interaction

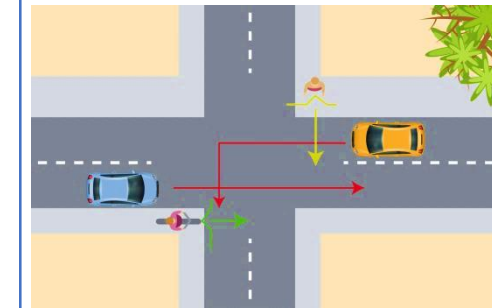
**4<sup>th</sup> Objective**  
Novel HMI elements



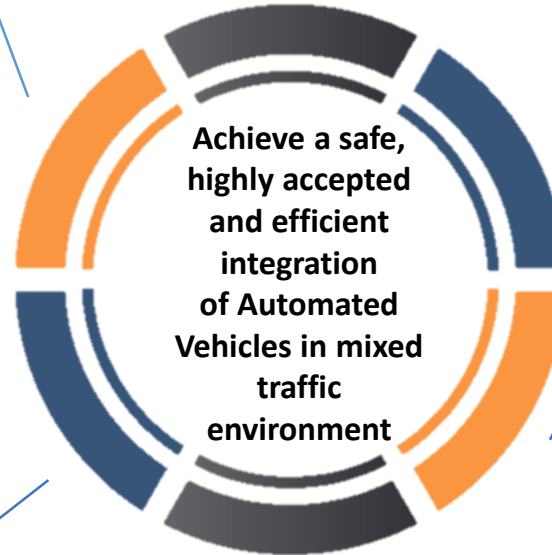
### The challenge



### 1<sup>st</sup> Objective Psychological models



### 2<sup>nd</sup> Objective Intention recognition & behavioural predictions



### 3<sup>rd</sup> Objective CCPU & safety layer



### 4<sup>th</sup> Objective Novel HMI elements



### 5<sup>th</sup> Objective Methodology for assessing the quality of interaction

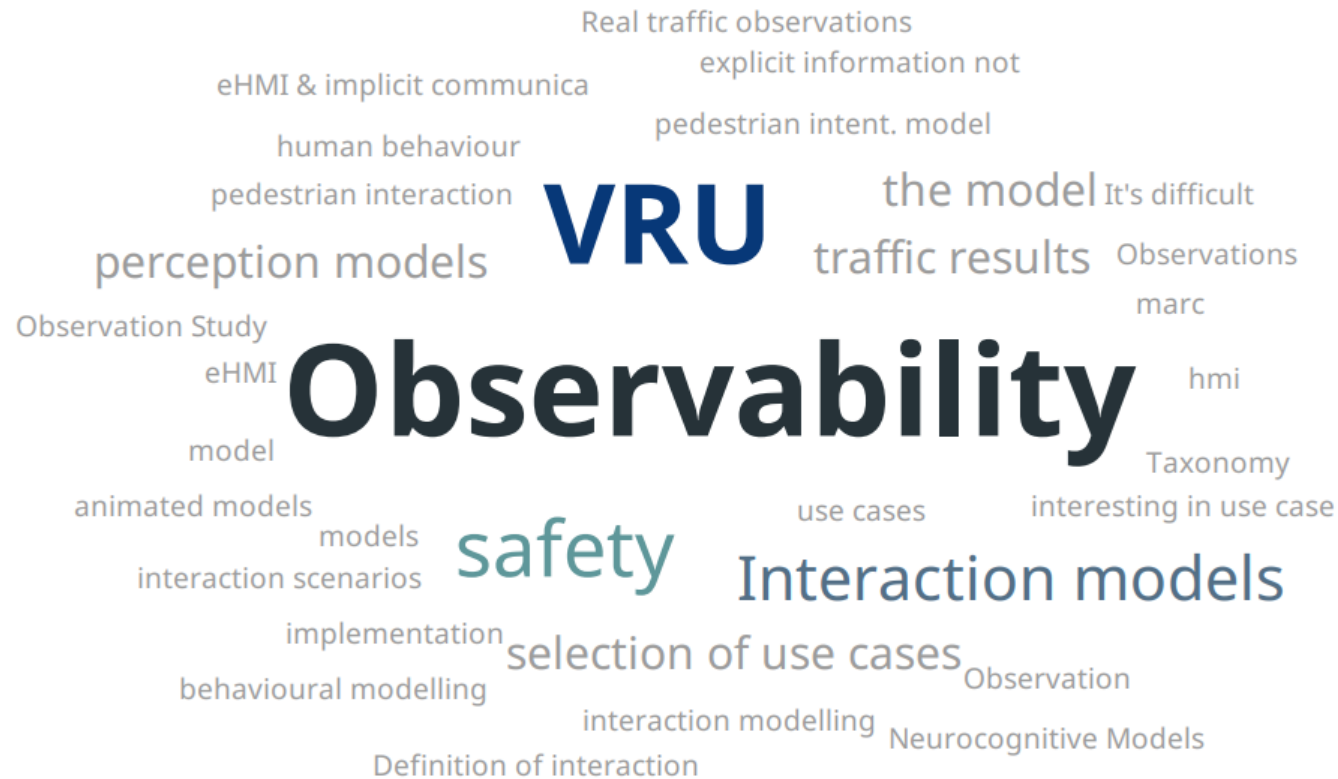


# Your highlights from yesterday

www.interact-roadautomation.eu

What was the most interesting result from today?

044



The challenge



1<sup>st</sup> Objective  
Psychological models



5<sup>th</sup> Objective

Methodology for assessing the quality of interaction

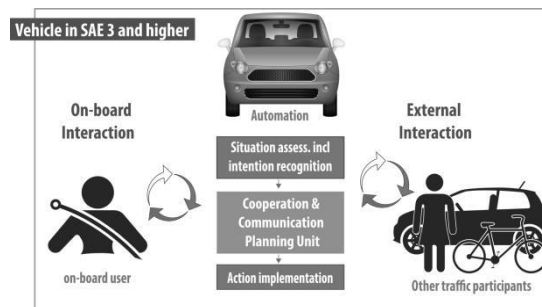


4<sup>th</sup> Objective

Novel HMI elements

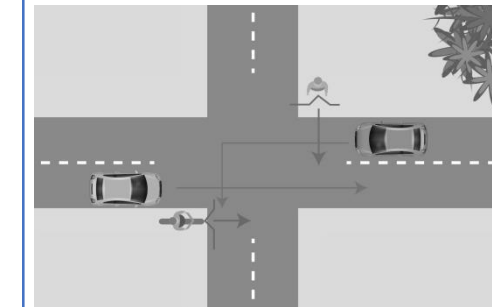


3<sup>rd</sup> Objective  
CCPU & safety layer



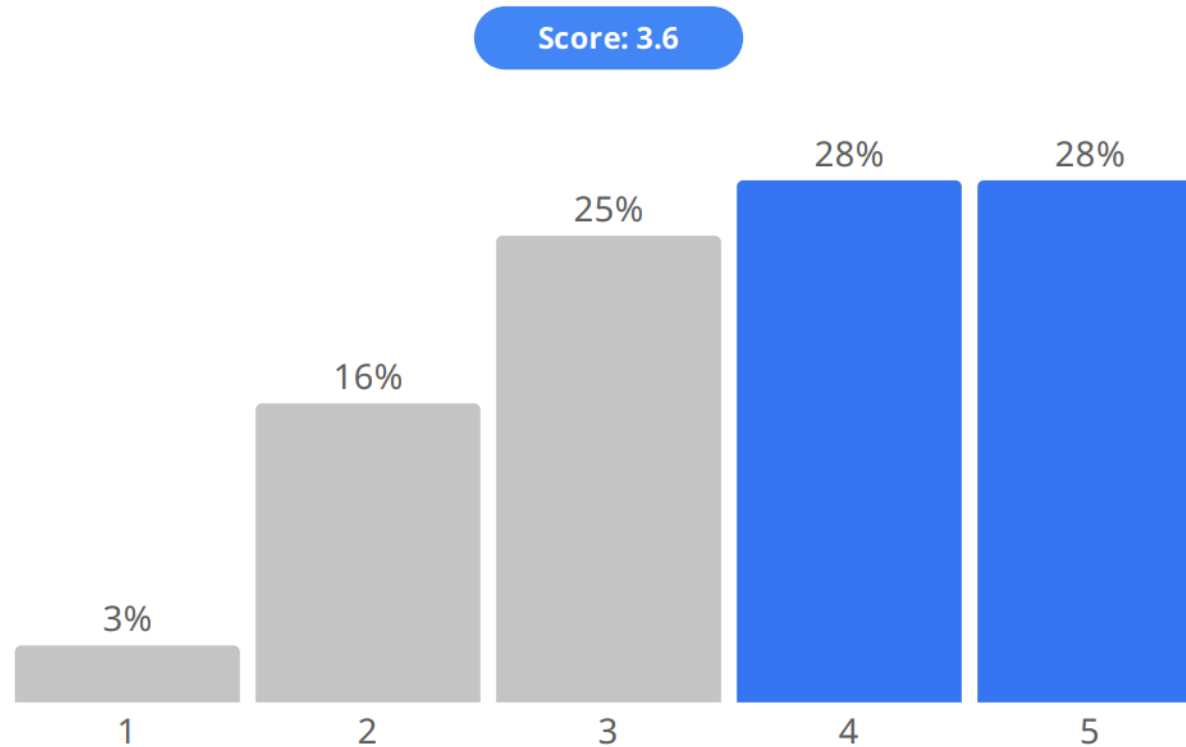
2<sup>nd</sup> Objective

Intention recognition & behavioural predictions



In your opinion, how important is an additional external HMI component for communication between Automated Vehicles and other road users (5 is very important)

0 6 1



**Do you expect any positive Impact from an external HMI component for the communication between AVs and other road users?**

071

Yes



No



Don't know





**We hope you enjoy the 2nd day!**

[www.interact-roadautomation.eu](http://www.interact-roadautomation.eu)

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