



interACT

Designing cooperative interaction of automated vehicles with other road users in mixed traffic environments

Project Facts

Start Date
1st May 2017
Duration
36 months
EC funding
5.527.581€

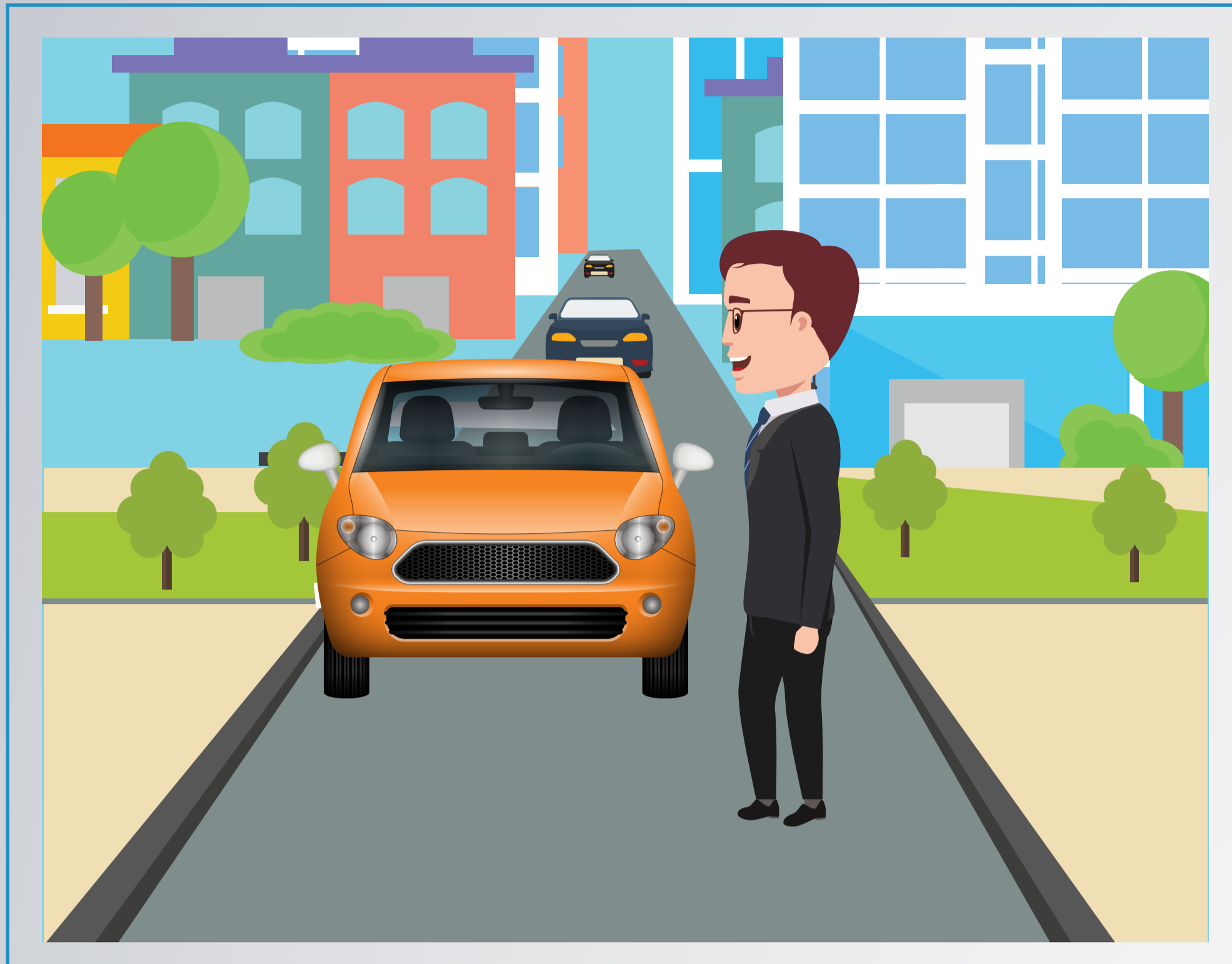
Project Coordinator

Anna Schieben
Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR)
Institute of Transportation Systems
Anna.Schieben@dlr.de

interACT is a research project funded by the EU's Horizon 2020 programme. The aim of the project is to enable the safe and efficient communication and interaction between Automated Vehicles, other road users and on-board users.

www.interact-roadautomation.eu

Follow us Interact_eu @interACT_EU interACT_EU



The challenge

Automated Vehicles need to communicate their intentions to other road users and on-board users

The enablers



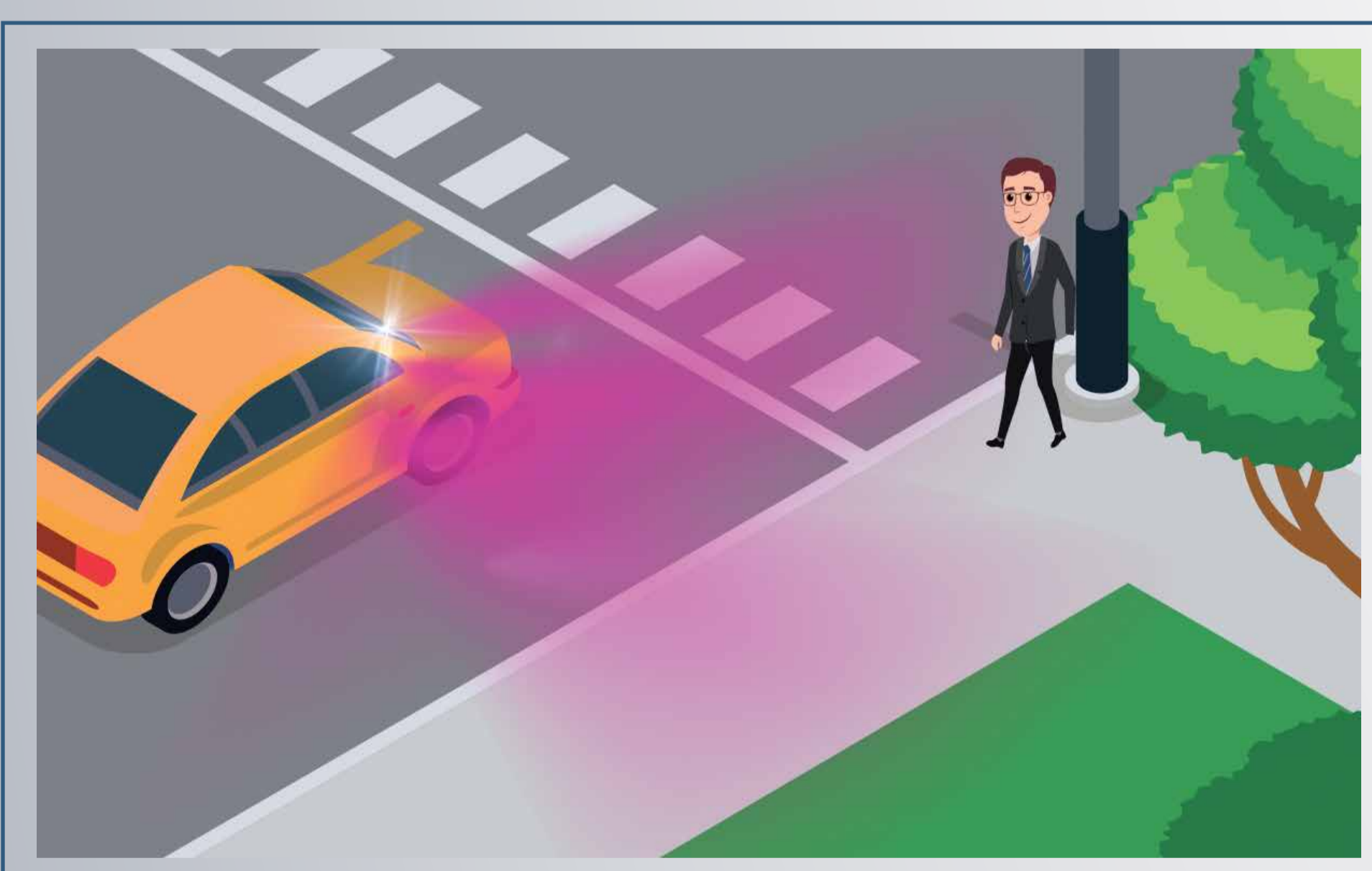
Evaluation methodology for assessing the quality of cooperation



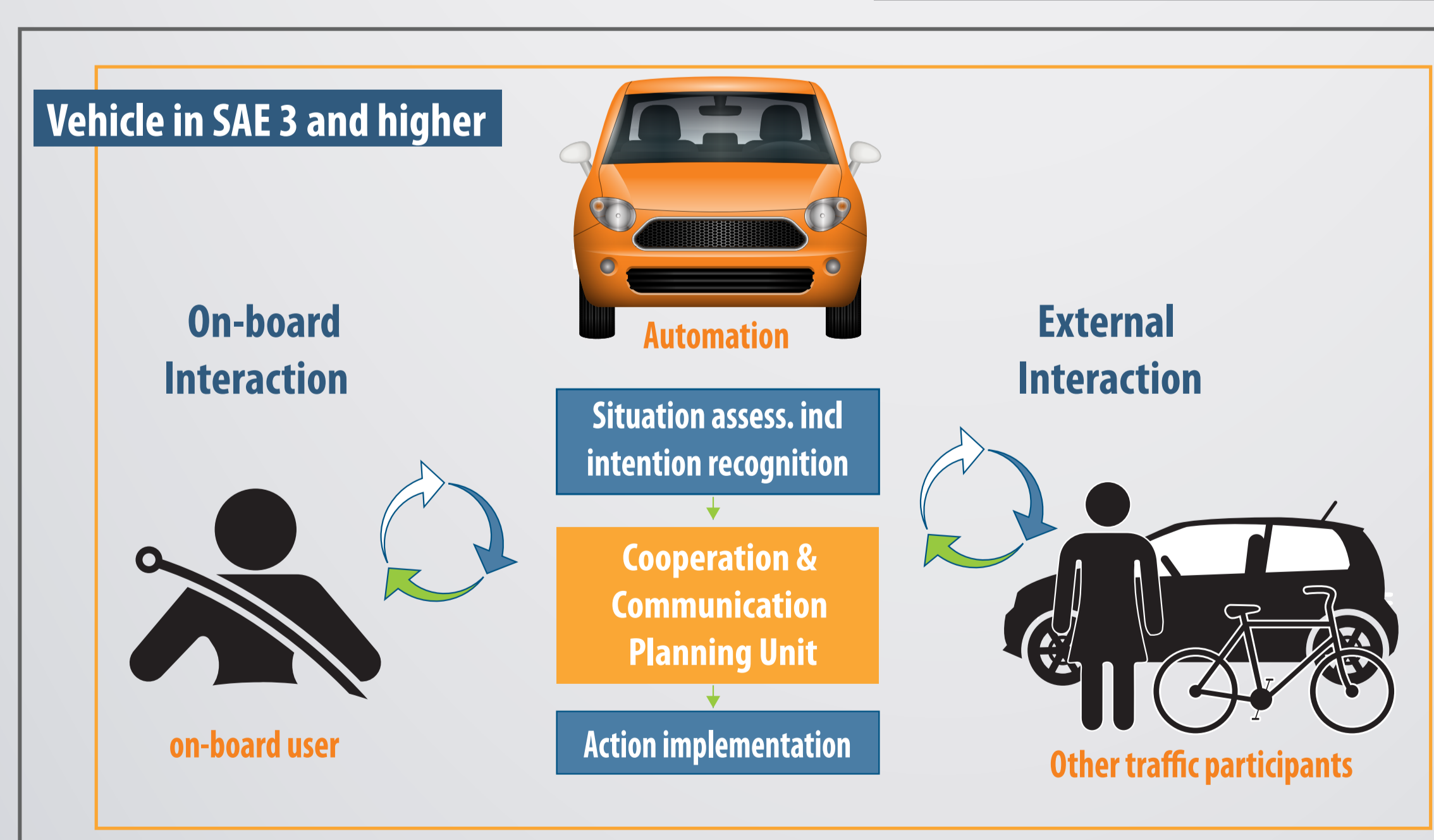
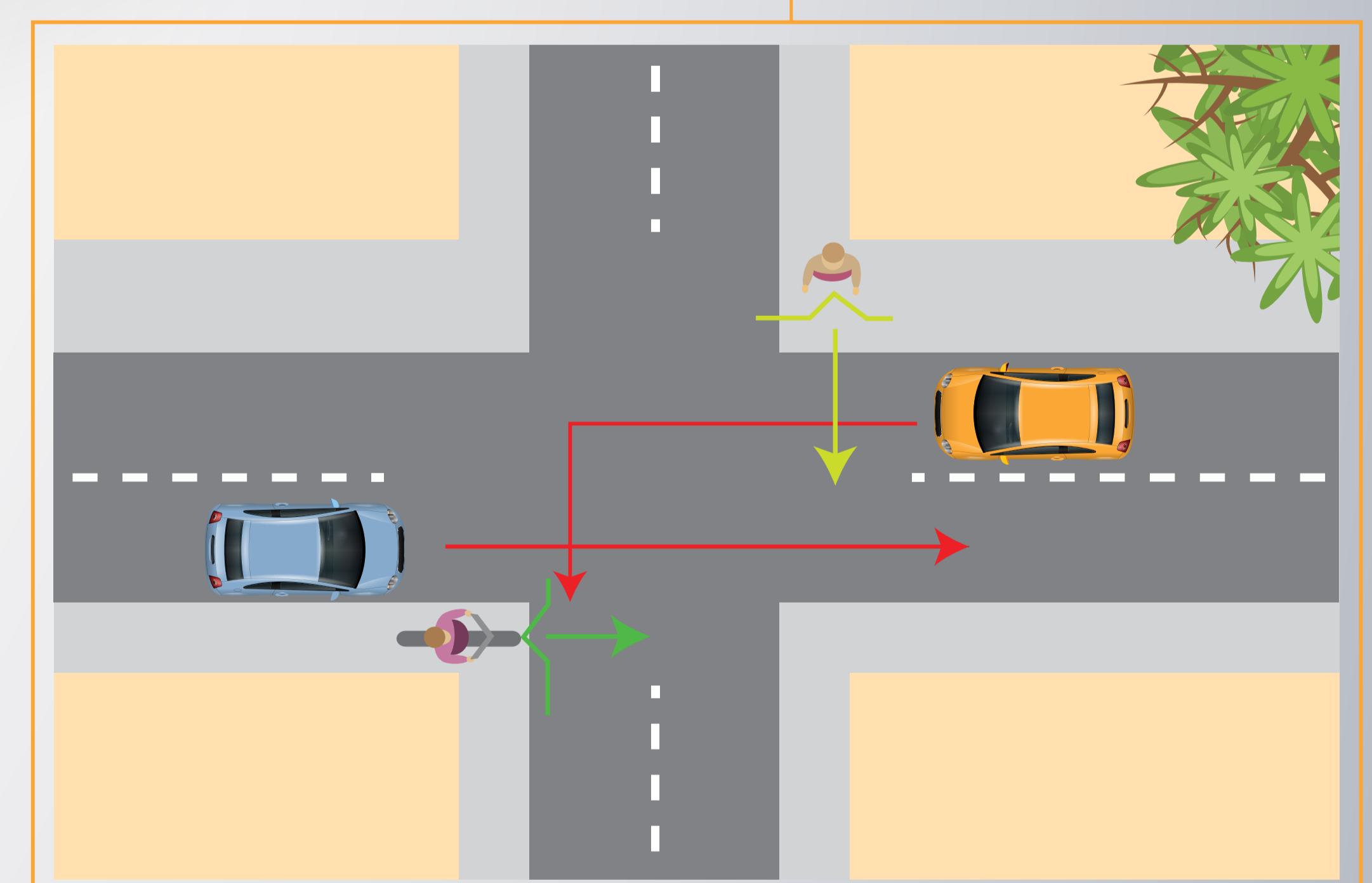
Psychological models of human interaction behaviour



Novel HMI elements



Improved algorithms for intention recognition and behaviour prediction



Cooperation and Communication Planning Unit including fail-safe trajectory planning

Consortium



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