

EDITORIAL

As the project partners are about to wrap up BRAVE activities, after 45 months of intensive work, we would like to invite you to join our final event. During 2 hours and a half, we will share the work and results done within the framework of this Horizon 2020 initiative.

Also, get a chance to consult the project deliverables. They are available on the project webpage, exposing methodologies, results and insights for an increased acceptability of highly automated vehicles.

Finally, do not hesitate to contact the partners involved in the project for more details about the work performed. We will be more than happy to share insights.

Get on board this last newsletter and enjoy the reading!

Follow us

Twitter: @BRAVE_H2020

Website: www.brave-project.eu

Youtube: BRAVE Project

BRAVE final event on 17 February 2021

What influences road users' adoption of highly automated vehicles? And how can adoption be increased? Learn about acceptability gaps, and solutions that aim at bridging the gaps, at the BRAVE closing event on February 17, 2021.

The Horizon 2020 BRAVE project has studied the acceptability of highly automated vehicles and will share the results in this online meeting.

Presentations will focus on the work carried out within the framework of the project, and in particular on the following aspects:

- Summary of the qualitative and quantitative studies carried out among potential users and experts in the sector
- Driving behaviour prediction system
- User-centred design of external Human-Machine Interfaces
- Behaviour of the developed intra-vehicle Human-Machine interfaces
- Proposals for regulatory & Euro NCAP WG's

The findings on the general a priori acceptance of CACs indicate a rather positive attitude of the respondents. With a relative majority, the respondents expect

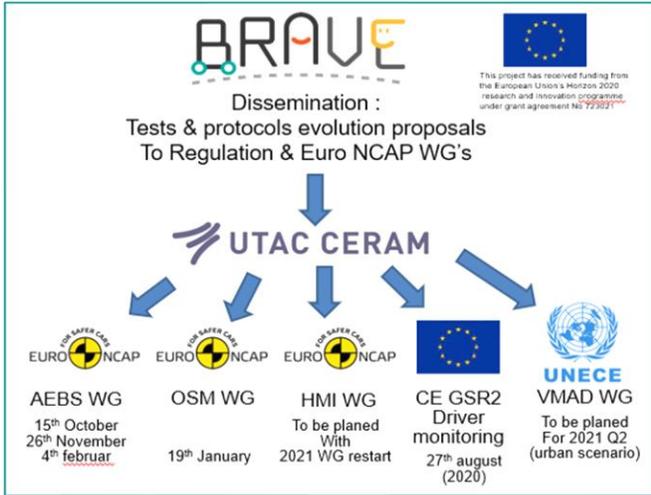
CACs to increase road safety as well as to be useful, easy to use and easy to communicate with. Nevertheless, a certain scepticism of the respondents can be detected when assessing the own intention to use such a car or the future interaction of the road users with CACs on the roads.



Access the full agenda and registration to the event: <http://www.brave-project.eu/index.php/2021/01/19/save-the-date-for-brave-final-event-17-february-2021/>



Action plan for BRAVE proposals to regulatory & Euro NCAP WG's



BRAVE activities include a strong focus on the dissemination of proposals to regulatory & Euro NCAP working groups. As show in the figure (see opposite), a dedicated action plan has been set up, led by BRAVE partner UTAC-

Ceram to expose recommendations to the regulatory bodies, for the evolution of test protocols, to modify and/or improve automated driving level 2 and level 3 official testing scenarios and protocols.

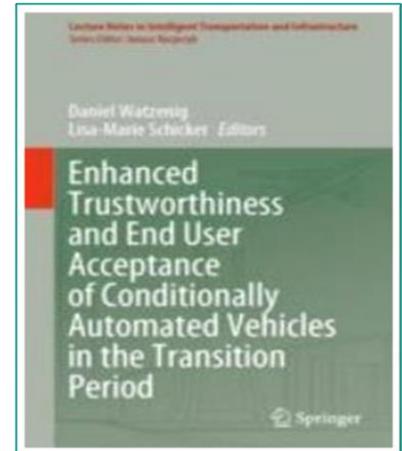
More details information can be found in the project Deliverables, available here: <http://www.brave-project.eu/index.php/results/public-deliverables/>

New publication in Springer series: Book chapter on acceptance and HMIs

BRAVE has contributed to the writing of the book “Enhanced Trustworthiness and End User Acceptance of Conditionally Automated Vehicles in the Transition Period”, published in Springer series by our partners from TrustVehicle project. BRAVE dedicated chapter is untitled “Bridging Gaps for the Adoption of Automated Vehicles—BRAVE Aspects for TrustVehicles—Development of Innovative HMIs to Increase Acceptance”

CHAPTER ABSTRACT

Automated cars bring not only technical but also non-technical challenges that influence acceptance such as legal and ethical questions, social and economic implications, or road safety effects. In general, if technical innovations are in line with societal values and behavioural intentions, they can gain acceptance. Based on a literature review, issues that influence the acceptance of automated cars are identified. However, not only the macro aspects are important for acceptance, but also the design of the technology for potential users, especially the HMI design. As the division of tasks between humans and machines changes, the implementation of automated driving



Cover of the book ‘Enhanced Trustworthiness and End User Acceptance of Conditionally Automated Vehicles in the Transition Period’



systems changes the task of the driver fundamentally, posing new challenges for HMI design. Uses cases involving vulnerable road users (VRUs) are the focus of the BRAVE project (EU-funded) when developing and testing HMIs. Research on the interaction between automated vehicles and VRUs is needed, not only to increase acceptance among road users but also to increase safety for VRUs. The development of interfaces and products must be carried out in an iterative process, to allow users to be involved at an early stage. Adjusting concepts in the beginning of the process is more cost-efficient compared to making changes later in the process and ensures a better adaptation of the developed technical solutions to the expectations of end-users, thus favouring the acceptance of automated vehicles.

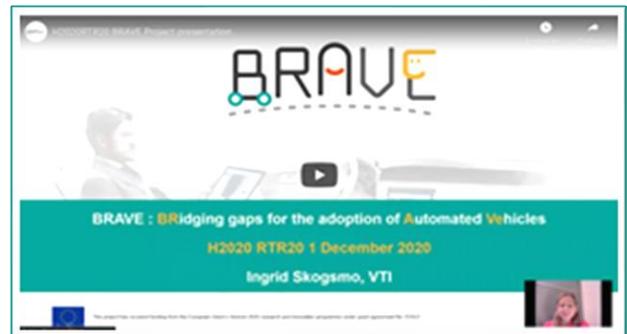
To access the full content: https://link.springer.com/chapter/10.1007%2F978-3-030-60861-3_2

Recording of BRAVE presentation to H2020RTR20 conference

If you missed BRAVE participation to the latest H2020 Road Transport Research 20 conference, you still have a chance to watch the replay. Ingrid Skogsmo from VTI, BRAVE project coordinator, presented the main outcomes of the project and highlighted some results on December 01, 2020.

During the fourth edition of this annual conference, organized by The European Commission Directorate-General Research and Innovation, EGVIA and ERTRAC, more than 70 projects funded under the Horizon 2020 programme and dealing with road transport-related research have been invited to present their results. The presentations and experts discussions have highlighted the contribution of ongoing EU-funded research projects to meet EU policy goals in the areas of Green Vehicles, Mobility for Growth, Urban Mobility, Logistics, Automated Road Transport, etc.

To access the recording: <http://www.brave-project.eu/index.php/2020/12/02/replay-recording-of-brave-presentation-to-h2020rtr20-conference/>



BRAVE presentation to H2020 RTR conference 2020

CONTACT US

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BRAVE KEY FIGURES

Consortium: 10 partners from 7 countries (Spain, France, Germany, Slovenia, Sweden, U.S.A, Australia)

Project duration: 36 months

7 work packages

27 experts involved in the Advisory Board

