

PRESS RELEASE

CONNECTED AND AUTONOMOUS VEHICLES (CAV): PAsCAL PROJECT UNVEILED IN A PODCAST SERIES OF 7 EPISODES ON AIR FROM NOVEMBER 15

Discover the different phases and results obtained by the PAsCAL Project over its three-year work through the voice of its protagonists.

Most of today's vehicles are at least partially connected and equipped with some autonomous functions. This is an increasing trend, until they become totally autonomous driving vehicles.

A very near future, indeed, which however raises important questions, such as, in the first place:

- What is the current perception of mobility consumers-users towards CAVs?
- What reassurances do they need to be willing to choose CAVs, whether public or private ones?
- What would be the implications of introducing connected and autonomous vehicles (CAVs) in society?

This is the context which gave birth to the PAsCAL project* (<https://www.pascal-project.eu/>), funded under the "Horizon 2020" Research and Innovation programme and carried out by **12 European partners** - Luxembourg Institute of Science and Technology, University of Mannheim, University of Leeds, University of Liverpool, University of Bourgogne Franche-Comté, RED Driving School, European Blind Union, Etelätär Innovation, Inetum, E-Bus Competence Center, Automobile Club Italia and LuxMobility - **who have decided to relate their experience** in a podcast series consisting of 7 episodes, on air from November 15, 2022.

In fact, the voices of the main actors of the PAsCAL Project will guide us through a story of surveys, simulations, practical tests and surprising findings.

Listen to the first episode of the PAsCAL Project - Episode 1: Introduction to the PAsCAL Project (link to the podcast)

Luc Vandennebe, Luxembourg Institute of Science and Technology, gives an overview of the project: partners, structure, funds and personal experience as coordinator.

Episode 2: Research and Psychological approach of the PAsCAL Project

Professor Florian Kuntzer, University of Mannheim - Privatuniversität Schloss Seeburg, talks about the psychological approach of the project and the relevant research conducted.

References:

Kacperski, C., Vogel, T., & Kutzner, F. (2020). Ambivalence in Stakeholders' Views on Connected and Autonomous Vehicles. In H. Krömker (Ed.), HCI in Mobility, Transport,

and Automotive Systems. Automated Driving and In-Vehicle Experience Design (pp. 46–57). Springer International Publishing

Kacperski, C., Kutzner, F., & Vogel, T. (2021). Consequences of autonomous vehicles: Ambivalent expectations and their impact on acceptance. *Transportation Research Part F: Traffic Psychology and Behaviour*, 81, 282–294. <https://doi.org/10.1016/j.trf.2021.06.004>

Kacperski, C., Vogel, T., & Kutzner, F. (under review). Visually impaired citizens' acceptance of autonomous vehicles. *Travel Behaviour and Society*.

Episode 3: The simulators in the PAsCAL Project

Maxime Larique, University of Bourgogne Franche-Comté (UBFC), goes in depth into the project, telling us which simulators the partners created - and how- for the PAsCAL Project.

Episode 4: Flight Simulator

DR. Mike Jump, University of Liverpool, explains how the PAsCAL Project conducted experimental research into societal perceptions of aerial connected autonomous vehicles by means of a flight simulator.

Episode 5: Pilots - field tests

Friederike L. Kühl, COO of Etelätär Innovation, describes all about the pilot studies (field tests) realised during the PAsCAL Project

Episode 6: How blind and visually impaired people will be affected by CAVs

Erwin Denninghaus of the European Blind Union, provides detail on the PAsCAL Project's approach to meeting the expectations of blind and visually impaired people with reference to the future of mobility.

Episode 7: The "Guide2Autonomy" (G2A)

Patrick van Egmond, Luxmobility, tells us how the "Guide2Autonomy" (G2A) was realized - a real guide containing 100 recommendations on technical, political, legal and economic aspects, addressed to all the stakeholders who will facilitate and guide the strategic choices on future mobility systems at the international, national and local level. Patrick will anticipate listeners some of the most important recommendations.

** PAsCAL - an acronym for "Enhance driver behavior and Public Acceptance of Connected and Autonomous vehicles" - is a European project aimed at developing a multidimensional map of public acceptance of higher levels of Connected and Autonomous Vehicles (CAVs), highlighting possible critical issues on the matter, particularly investigating new "driver" needs considering different modes and mobility services. The goal of PAsCAL is, in fact, to create a "Guide2Autonomy" (G2A), a set of guidelines and recommendations to accelerate the user-friendly evolution of automated connected vehicles and transportation systems - Flyer (https://www.aci.it/fileadmin/documenti/ACI/Iniziativa_e_progetti/PAsCAL_Flyer_2020_bis.pdf)*



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