**BRAVE (BRidging gaps for the adoption of Automated VEhicles)**

The new technologies applied to the world of transport have the potential to improve road safety, as well as the efficiency, sustainability and comfort of mobility.

The technological advances as regards autonomous driving will allow, in a near future, having cars that drive with minimal human intervention. However, the emergence of highly automated vehicles implies new challenges, not only technological, but of other nature as well, which have to be approached to have a safe transition to automated vehicles. This project focuses on automation level 3 (conditional automation).

Based on the existing type 3 vehicle prototypes, the consortium will perform multi-discipline research in order to identify the needs of users (drivers), other road users (other drivers, motorcyclists, pedestrians), and the perspective of the rest of actors involved, such as driving schools, insurance companies, transport authorities, standardisation agencies and lawmakers.

The goals of the BRAVE project are:

- Creation of a multi-discipline study (at human, social, economic, safety, legal and ethic level) of the requirements and the expectations of all the actors involved in the adoption of automated vehicles.
- Development of innovative strategies for the human/machine interaction and technologies to detect the condition of the driver, in order to promote a safe transition to automated driving.
- Development of innovative systems for the interaction between the vehicle and its surroundings, improving the existing advanced driving assistance systems (ADAS) by means of the inclusion of predictive functionalities, with the aim of achieving better and shorter times of reaction in all driving circumstances.
- Validation of the requirements, of the acceptance level by users and an impact study, by means of realistic testing exercises, and in different driving scenarios.
- Contributing with the aim of making the car industry establish the foundations to adopt the autonomous vehicle technology, by means of the evolution of the test and pre-validation protocols and proposing regulation measures, as well as promoting the performance of tests with real users.

From its launch in June 2017, BRAVE has carried out its first activities and actions, which have been gathered in the first edition of its newsletter, which will be published regularly in order to inform about the progress of the project.