



SCOUT project organized an expert workshop in Brussels to identify main actions for an accelerated deployment of automated and connected driving in 2030+

Over 40 experts participated in the workshop “Building a comprehensive European roadmap for level 4/5 connected and automated driving” organized by the SCOUT project, which was held in Brussels on March 7th 2018. Besides dedicated experts, members of the consortium of SCOUT (and its sister-project, CARTRE), representatives of the involved European Technology Platforms such as EPoSS and ERTRAC, as well as officers of DG Connect and other relevant directorates of the European Commission were invited to join the workshop.

The main goal of the workshop was to highlight the hurdles regarding level 4/5 connected and automated driving in different layers, namely technical, societal, legal, economic and human factors and to develop action items, on the timeline, for an accelerated deployment of connected and automated driving in 2030+.

The project coordinators, Gereon Meyer and Carolin Zachäus, from VDI/VDE-IT, welcomed the participants and gave a brief overview of the objectives and main activities of the project, with a focus on the roadmap development process and its relation to other roadmaps, entities and projects.

The project partners introduced the already accomplished results along the roadmap development process within the project. Leandro D’Orazio (CRF) and Roberto Baldessary (NEC), referred to the analysis of user expectations and requirements, as starting point to co-create a vision of CAD in Europe in 2030+. According to the results of this analysis, level 4/5 automation would be the most preferred scenario from a users' perspective. Devid Will (ika) and Steven Von Bargen (NXP) presented key aspects of the state of the art assessment, based on the 5-layer model developed by Prof. Eckstein (societal, legal, economics, human factors and technical), detailing technical and legal aspects of CAD. Finally, Heiko Hahnenwald (LBF) referred to the methodological approach used for the business model evaluation of CAD. A business model structure has been defined, including the value proposition, the stakeholders or value creation partners and the monetization aspects of each business model

External experts introduced the challenges and opportunities of the 5 layer mentioned above: Jochen Langheim (ST Microelectronics), Benjamin von Bodungen (German Graduate School of Management & Law), Suzanne Hoadley (Polis) and Stella Nikolaou (CERTH) presented the technical, legal, societal and human factors layers, respectively.

During the interactive session, the participants split up in five groups related to the 5 layers and identified the existing gaps (hurdles), followed by the development of recommendations and actions to solve those gaps on a time line and finally highlighted the links of the proposed actions to other layers. Each group was moderated by one expert in the field and supported by the SCOUT partners.



All findings were summarized by the moderators, highlighting specific actions on the time to overcome hurdles and turn the vision for CAD in 2030+ into reality, and pointing out links between the different layers of CAD, as these may offer opportunities for acceleration.

In conclusion the effective deployment of level 4/5 CAD is a very complex task, which requires a comprehensive and coordinated approach of experts in different fields (technical, legal, societal, economic and human factors). The success depends highly on the cooperation of these different fields.

The roadmap will be presented for final validation in an interactive workshop to be held in Vienna on April 20th 2018 2-4pm, as part of the “Interactive Symposium on Research & Innovation for Connected and Automated Driving”

About the SCOUT project

The SCOUT project is a Coordination and Support Action of the European Commission aiming at identifying pathways for an accelerated proliferation of safe and connected high-degree automated driving in Europe, taking into account user needs and expectations, technical and non-technical gaps and risks, viable business models as well as international cooperation and competition. The main goal of the project is the creation of a common cross-sectorial roadmap for connected and automated driving (CAD) in Europe. Visit [Connected Automated Driving](#) website for more information.