

# Successful testing of connected vehicles on Austrian motorways

## C-Roads is taking the next step towards realising C-ITS services

The C-Roads Platform keeps on approaching the target of supplying vehicles with safety-relevant traffic information in real-time and seamlessly across borders. As part of the platform, Austria has successfully tested C-ITS use cases during the summer time with international partners on relevant parts of the Austrian motorway network.

## Large-scale and harmonised C-ITS deployment

The aim of C-Roads is to deploy C-ITS services all over Europe in order to significantly improve the exchange of information between vehicles and road infrastructure. The C-Roads Platform unites 19 European states that work jointly on the strategic and coordinated implementation. In addition, different scenarios will be tested and implemented in the course of national technical pilots. These pilots have been conceived based national requirements as well as against a European perspective. AustriaTech takes the role of the coordinator of the C-Roads Platform. “The common goal of all members is the seamless provision of safety-relevant information in real-time and on a uniform level of quality. This especially includes road works warning, weather information or messages on traffic jams, all of those across borders” explains Martin Böhm, General Secretary of the C-Roads Platform and Head of Business Unit leader at AustriaTech. “Roads safety and comfort will be essentially improved through the harmonised information exchange between vehicle and road infrastructure.” Furthermore, the Austrian project Eco-AT is a part of C-Roads. Coordinated by ASFINAG, the participants have been working to test harmonised and standardised C-ITS services in Austrian motorway sections since 2013.

## International cross-testing successfully started

All C-Roads partners have currently set up and tested their pilot implementations. In summer 2018, cross-border tests were conducted, meaning that vehicles were tested on foreign pilot sections in Europe. Cars from France and Portugal of the SCOOP project successfully tested the C-ITS Austrian services developed by ASFINAG within the Eco-AT project. Despite the test participants originated from different countries and project environments, the transmission and display of messages between them was successful. Such tests ensure that all vehicles in Europe are speaking the same “C-ITS language” and can connect with each other and the road infrastructure. “Tests like these are of major importance for the European harmonisation of C-ITS and represent the basis for subsequent services supporting connected and automated driving” explains Bernd Datler, Managing Director of ASFINAG Maut Service GmbH. The ASFINAG test go hand in hand with other test conducted by other renowned companies such as Hyundai, Opel, Honda, Volkswagen, Renault, Volvo Trucks, Fiat / CRF, Aricent, DENSO, Commsignia, Cohda Wireless, Hyundai Mobis, A-to-B, Viveris, Magna, Telemotive, Nordsys, Kapsch, Siemens, Swarco.

## Vehicles and infrastructure to be equipped from 2019 on

The European Commission is supporting and funding this initiative for harmonisation and strives to enshrine it in law. The final deployment encompasses the equipment of road infrastructure all over Europe with the aim to offer first C-ITS services from 2019 on. Selected vehicle manufacturers have already expressed their commitment to equip their vehicles with C-ITS off-the-shelf starting with next year. The tender for equipping the Austrian motorway network will be launched by ASFINAG in the coming months.

## About C-Roads

The C-Roads Platform is joint initiative of European states and infrastructure operators for piloting and deploying C-ITS services. It pools the demands and interests of public stakeholders with regards to the interoperable implementation of C-ITS in Europe on technical and strategic level. A core aspect is the joint development of technical specifications as basis for a harmonised operation of European C-ITS services. The C-Roads Platform is co-financed by the Connecting Europe Facility of the European Union.

More information: <https://www.c-roads.eu/>

## About ECo-AT

ECo-AT (European Corridor – Austrian Testbed for Cooperative Systems) is the Austrian project to create harmonised and standardised cooperative ITS applications jointly with partners in Germany and the Netherlands. First C-ITS services are currently being implemented along the corridor Rotterdam – Frankfurt/M. – Vienna. There is close cooperation with Germany and the Netherlands and commitment is supported by a Memorandum of Understanding signed in 2014.

More information: <http://eco-at.info/>

## About SCOOP

SCOOP is a pilot project for the deployment of cooperative intelligent transport systems in France, Spain and Portugal. It federates numerous public and private partners (authorities, road operators, car manufacturers PSA and Renault) in order to offer C-ITS services on 2,000 km of road network.

More information: <http://www.scoop.developpement-durable.gouv.fr/en/>

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