

# Press release

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## Galileo serving connected/autonomous vehicles Workshop at CNES headquarters in Paris

As part of the Assises de la Mobilité launched by French Minister for Transport Elisabeth Borne on 19 September and the open consultation to work towards a national strategy on autonomous vehicles, CNES, the Commissariat General for Sustainable Development/Research and Innovation Directorate (DRI), the Directorate General for Infrastructure, Transport and the Sea (DGITM), the Directorate General for Enterprises (DGE) and the COMET expert community held a workshop yesterday on the theme of “Connected/autonomous vehicles and Galileo”.

Geolocation will be a key component of connected/autonomous vehicles. To ensure the safety and reliability of transport in the future, the positioning service used for these vehicles will need to meet the most stringent requirements in terms of location accuracy, integrity and resilience. With its clear competitive advantages over the other available constellations (GPS, Glonass and BeiDou), Europe’s Galileo navigation satellite system will have a central role to play.

Available since 15 December 2016, with 18 satellites in orbit, Galileo is already providing initial services for iPhone 8 and Samsung 8 users. The Galileo system is expected to reach full operational capability in 2020, when it will include a high-precision geolocation service and an authentication service.

At today’s workshop, DGITM, Valeo and DGE laid out the roadmap and issues relating to connected/autonomous vehicles. CNES and CEREMA then discussed the performance of satellite navigation systems and the availability timeframe for Galileo services, especially for the high-precision service. This information is vital to enable industry to build these innovative services into their R&D projects and operations. Players from across the automotive sector took part in the debate and showed real interest in how they can make optimum use of space technologies and data in the design of autonomous vehicles in the future.

Closing the constructive day of debate, participants concluded there is a strong need for trials to enable French manufacturers to play a key role in developing autonomous vehicles. For this reason, the workshop proved most valuable in focusing on the expected benefits of Galileo for the various types of vehicles of the future, starting with the connected vehicle.

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