

Connected, cooperative and automated mobility in Europe

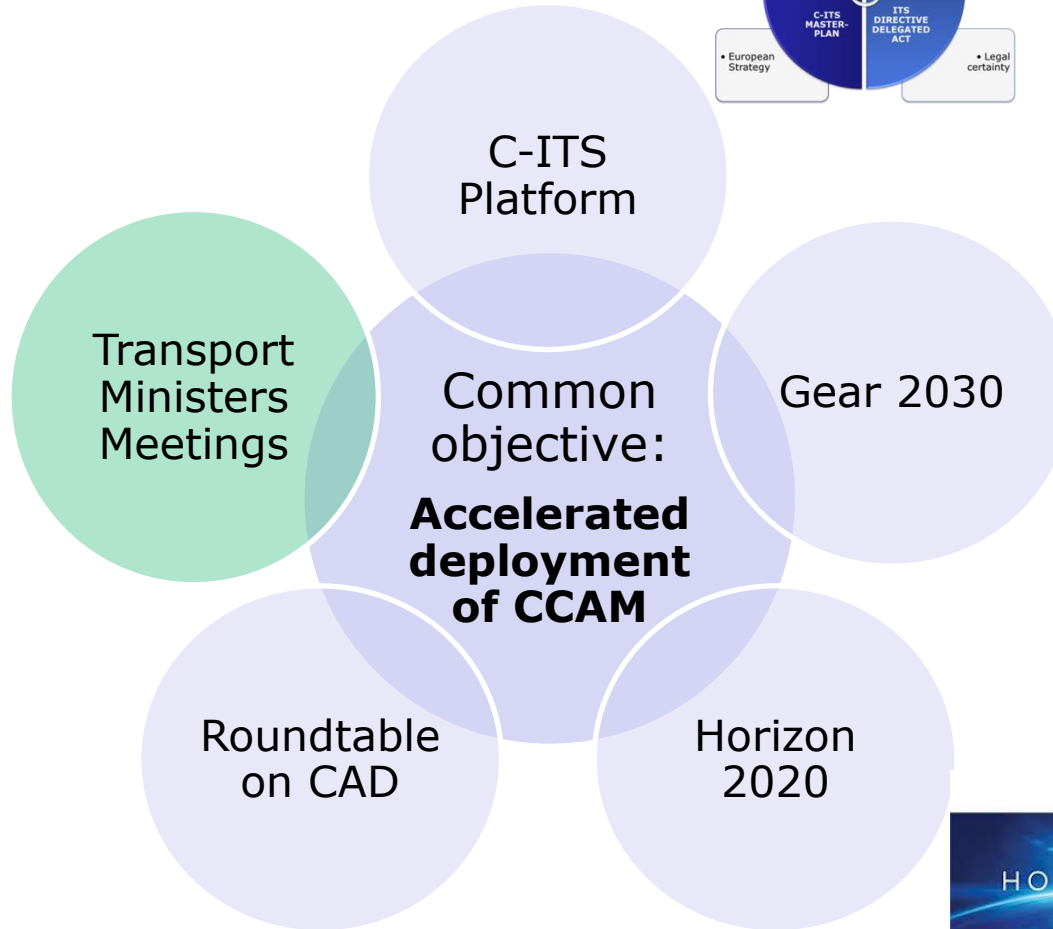
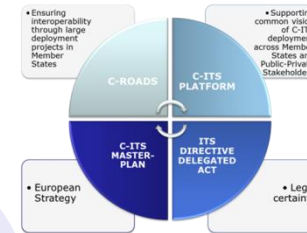
Tokyo, 14 November 2017

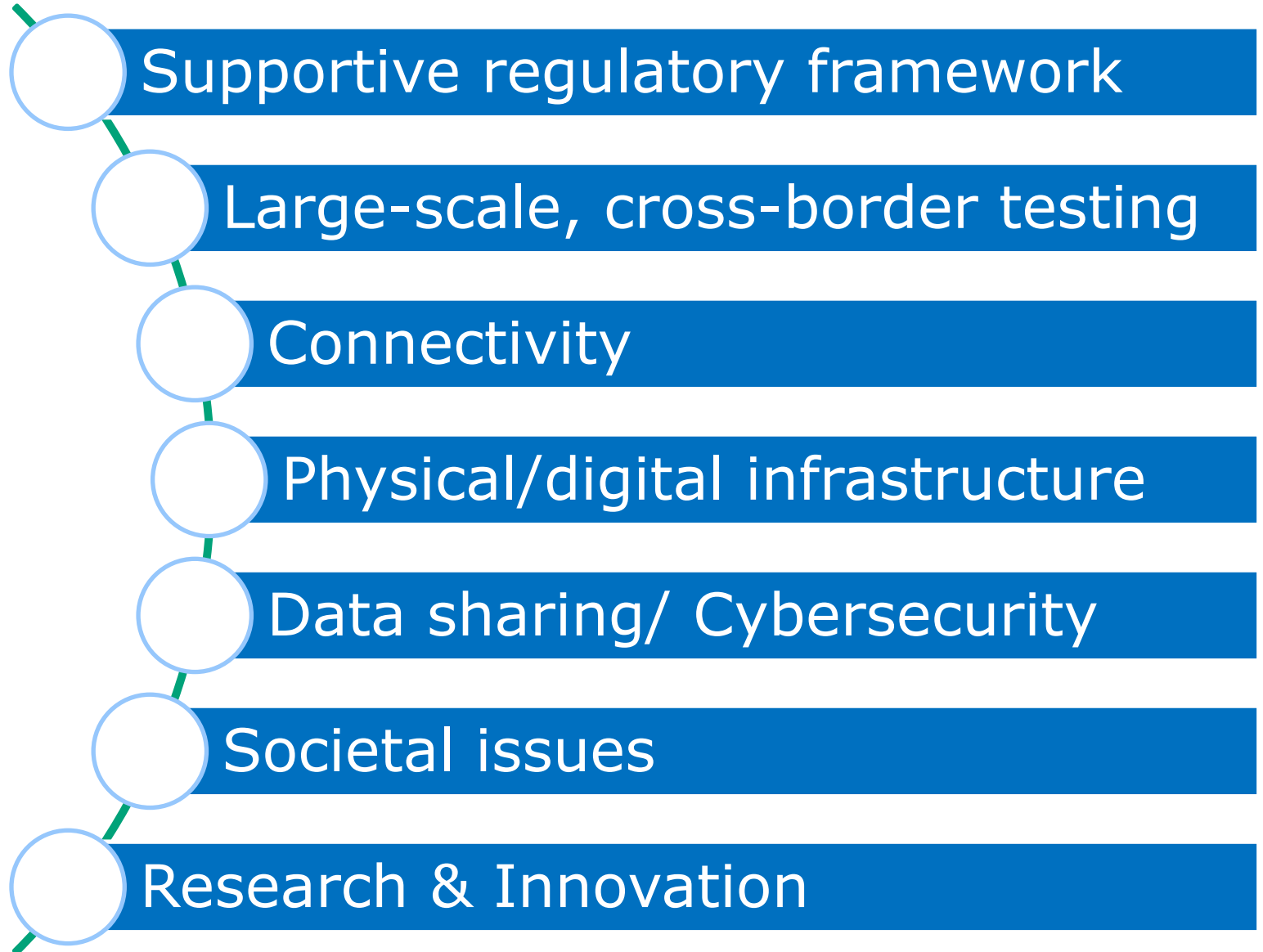
**Ludger Rogge
Directorate-General for
Research & Innovation**

European Commission

Connected, cooperative and automated mobility - EC policy initiatives

Learning by doing approach!







Automation Pilots for Passenger Cars

- L3Pilot
- AutoPilot



Safety and end user acceptance

- InterAct
- TrustVehicle
- BRAVE



Road infrastructure to support automation

- CoExist
- InfraMix
- TransAid



ICT infrastructure to enable road transport automation



Multi-brand platooning in real traffic conditions



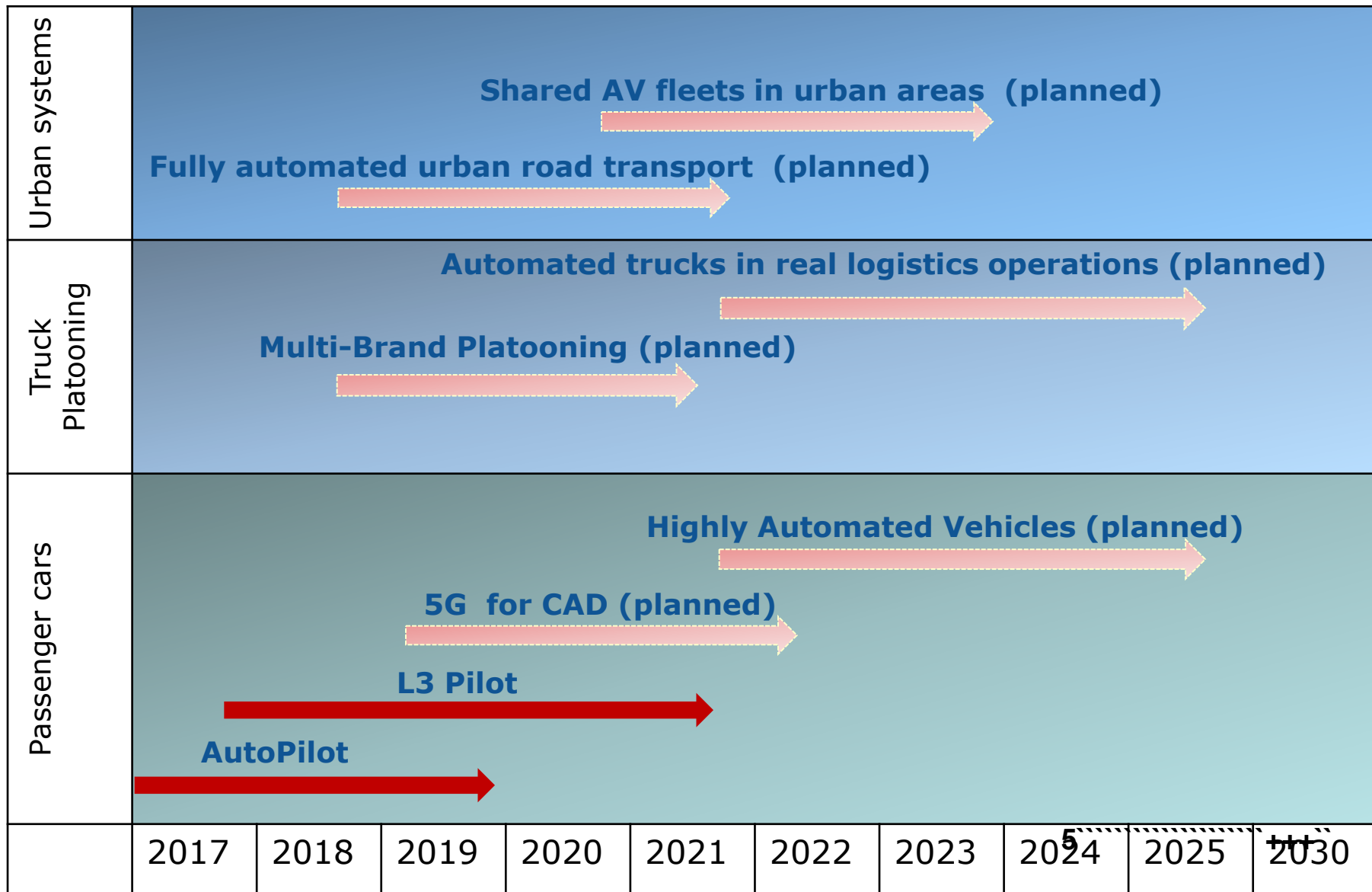
Automated urban transport systems

2016 Call

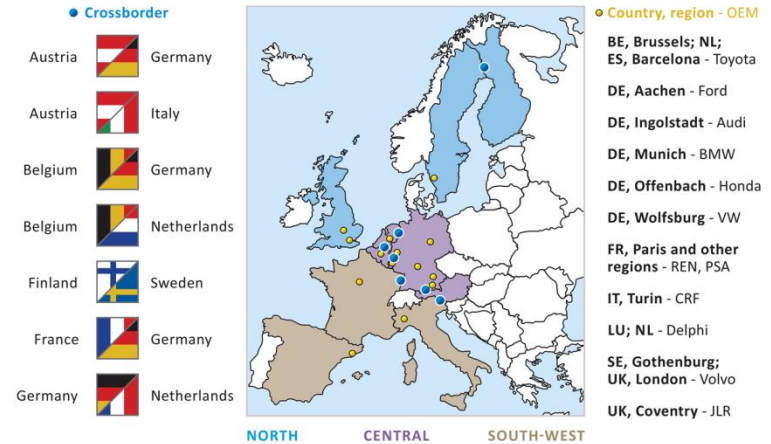
2017 Call



H2020 – Ongoing and planned large-scale demos

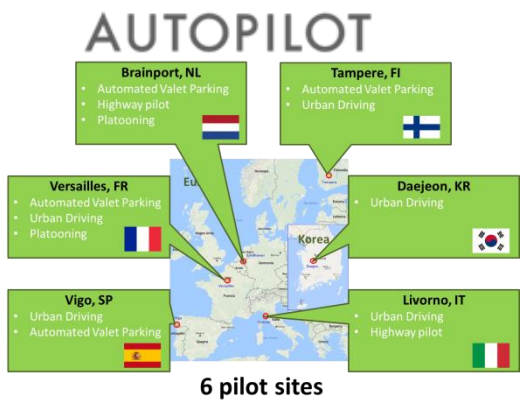


- ❑ Large-scale piloting of SAE Level 3 functions, with additional assessment of some Level 4 functions
- ❑ 34 partners (OEMs, suppliers, research organisations, SMEs, insurers, authorities and user groups)
- ❑ 11 countries, 100 vehicles, 1000 test drivers involved in the testing
- ❑ Tested functions cover wide range from parking to overtaking, and urban intersection driving.
- ❑ Cross-border tests are planned for automated driving systems on highways (e.g. traffic jam assist, highway assist)
- ❑ Start: September 2017 (48 months)
- ❑ Budget: €47 Mio (EC funding: €36 Mio)





H2020 – New large-scale demo – AutoPilot (Automated Driving progress by Internet of Things)



- ❑ Large-scale piloting to test IoT enabled autonomous driving cars in real conditions,

- ❑ Objectives

- ❑ **Enhance the driving environment perception with IoT sensors enabling safer highly automated driving**
- ❑ **Use and evaluate advanced vehicle-to-everything (V2X) connectivity technologies**
- ❑ **Contribute to the IoT standardisation and ecosystem**

- ❑ Automated Driving Scenarios

- ❑ **Urban Driving**
- ❑ **Highway Pilot**
- ❑ **Platooning**
- ❑ **Automated Valet Parking**

- ❑ 44 beneficiaries

- ❑ Start: January 2017 (26 months)

- ❑ Budget: €25.4 Mio (EC funding: € 20 Mio)

- ❑ Services for automated driving

- ❑ **City chauffeur services for tourists**
- ❑ **Automated driving route optimisation**
- ❑ **Real time car sharing**
- ❑ **Driverless car rebalancing**
- ❑ **HD maps for automated driving vehicles**
- ❑ **Electronic Driving License**

H2020 Calls "Automated Road Transport" International Cooperation



- ❑ All Horizon 2020 projects can include international partners
 - **Applicants from non-EU countries are eligible to take part in Horizon 2020 programmes, even as coordinator**
- ❑ R&I topics for International Cooperation
 - **Cooperation with projects or partners from the US, Japan, South Korea, Singapore, and/or Australia is encouraged**
- ❑ Twinning



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