Automated Mobility: the EU strategy for Mobility of the Future

Automated Vehicles Symposium
San Francisco, 12 July 2018

Clara de la Torre
Director for Transport
Directorate-General for Research & Innovation
European Commission
3rd Mobility Package (17 May 2018)

Key elements:

- **Safe Mobility**
  - Communication on new road safety policy framework
  - Legislative initiative on vehicle and pedestrian safety
  - Legislative initiative on infrastructure safety management

- **Clean Mobility**
  - Legislative initiatives on CO2 standards for heavy duty vehicles
  - Action Plan for Batteries

- **Connected and Automated Mobility**
  - Legal initiatives establishing a digital environment for information exchange in transport
  - Communication on Connected and Automated Mobility

EC Communication on Automated Mobility

- Strategy for the roll-out of connected and automated vehicles in Europe
- Comprehensive regulatory, financial and research framework to develop these technologies.

**What needs to be done?**

- **INVESTMENT IN RESEARCH & INNOVATION**
- **APT LEGAL FRAMEWORK**
- **SOCIETAL & ETHICAL ASPECTS**

---

COMPETITIVENESS

SAFETY

SOCIETY
H2020 - Calls on "Automated Road Transport"

- **Budget:** € 300 Mio (2014-2020)
- **Focus**
  - Large-scale demos of automated driving systems for passenger cars, trucks and urban transport
  - Safety and end user acceptance
  - Road infrastructure to support automation
  - Traffic management solutions
  - Connectivity for automation
  - Testing and validation procedures
  - Assessment of impacts, benefits and costs of CAD systems
  - Support for cooperation and networking activities
  - Human centred design of AV

5 Calls for proposals

H2020 – Ongoing and planned large-scale demos

### Urban systems
- Shared AV fleets in urban areas (planned)
- Fully automated urban road transport (AVENUE)

### Truck platooning
- Automated trucks in real logistics operations (planned)
- Multi-Brand Platooning (ENSEMBLE)

### Passenger cars
- Highly Automated Vehicles (planned)
- 5G for automation (planned)
- ICT infrastructure for automation (ICT4ART)
- L3 Pilot
- AutoPilot

|------|------|------|------|------|------|------|------|------|------|------|
Commission proposal for a € 100 billion research and innovation funding programme for seven years (2021-2027)

- to strengthen the EU's scientific and technological bases
- to boost Europe's innovation capacity, competitiveness and jobs
- to deliver on citizens' priorities and sustain our socio-economic model and values
Aim

- enable systemic long-term collaboration to address common research needs, share information on research and to develop opportunities for joint research projects

6th EU-US symposium on 'Socio-economic Impacts of Automated and Connected Vehicles', Brussels, 26-27 June 2018

- 3 partners/sponsors: TRB, DoT and EC
- 50 participants (25 US+25 EU)
- Added value: mutual learning, networking, definition of common research topics and twinning of projects
- Final report: recommendations and pointers for cooperation
2nd European Conference on Connected and Automated Driving

Date: 2-3 April 2019, Brussels