CARTRE Automation Pilots workshop
11-12 September 2018
Brussels
History of previous cooperation efforts

Dec 2016: MS workshop on CAD piloting activities
- Organised with EC RTD
- 8 regional pilots presented
  - Focus: how to categorize activities

May 2017: MS workshop on CAD piloting activities
- Organised with INEA and EC RTD
- 14 projects
  - Focus: how to work together

Dec 2017: Horizon 2020 Transport ART projects concertation WS
- Organised with EC RTD
- 5 European and national pilots presented
  - Focus: different types of public road testing & how to work together

April 2018: TRA session INV7 on CAD piloting activities
- Organised with EC RTD
- 5 European and national pilots presented
  - Focus: different types of public road testing & how to work together

Organised with EC RTD
- 10 MS presented their CAD activities/plans
  - Focus: what is going on at MS level

Automation pilots workshop
Spider web classification tool

Impact assessment

Technology

Non-technical
Other harmonisation initiatives

• “Action plan automated and connected driving” adopted at the 2nd High Level Structural Dialogue EU- and EFTA Member States (14-15 September 2017, Frankfurt)
  • EC and associations of the automotive and telecom industry agreed on a number of actions in areas such as cross-border testing, public awareness, Data access/Use of data, etc.

• Following the Action Plan, EC has started to address actions/ issues in meetings of the European ITS Committee, e.g.
  • Task Force working on European medium and long-term targets on cross-border testing
  • First results of this work were presented at the following High Level Structural Dialogue hosted by Sweden (June 2018)

• 2nd High Level Meeting (18-19 June 2018, Gothenburg)
  • Task Force on ethics (↔ European AI Alliance)
  • Single EU wide platform to coordinate open road testing /pre-deployment activities

• Trilateral Working Group (international cooperation) EU-US-Japan
  • Sub-WGs on roadworthiness testing and impact assessment
Main conclusions to date

• Importance to share experiences, lessons learnt, results between pilots/ FOTs/ research projects
• Collaboration among Member States should be fostered
• Organise more opportunities for exchange and mutual learning
• Common European methodological approach for testing, validation and impact assessment should be developed
• Include a framework for the exchange of knowledge, experience and data including a coordinated evaluation structure
Identified outstanding issues

• Common research questions
• Common understanding of impact assessment and KPIs for automation pilots
• Use cases and testing scenarios
• Automated driving in mixed traffic conditions and complex environments
• Legal and ethical issues
• Security and privacy aspects
• Human centred design of automated vehicles
• Requirements for physical and digital infrastructure
• Business cases and models
• Communication technologies for higher levels of automation
Identified outstanding issues (II)

- Data collection and management
- Data needs for important impact assessment and societal needs
- Data sharing in CAD pilots
  - Common format data
  - Privacy (GDPR) and IPR
  - Liability
  - Anonymization
- Horizontal issues such as:
  - Taxonomy, ontology, glossary, terminology
  - Network of testbeds to offer a comprehensive testing possibility
Rationale behind this workshop

• Continue the dialogue established in previous events
• Follow-up on recommendations from the European (C-)ITS Committee, on hot topics for automation pilots
• Inform about CARTRE relevant results on data exchange framework & strategy, impact assessment and knowledgebase
• Work on outstanding issues identified in previous workshops
• Define next steps/actions towards identified needs for knowledge exchange and further cooperation framework (to be supported by new CSA ARCADE) to implement these actions
Thank you!