



CARTRE Automation Pilots workshop

11-12 September 2018

Brussels



CARTRE and SCOUT are funded by
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Work Programme



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***

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***

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

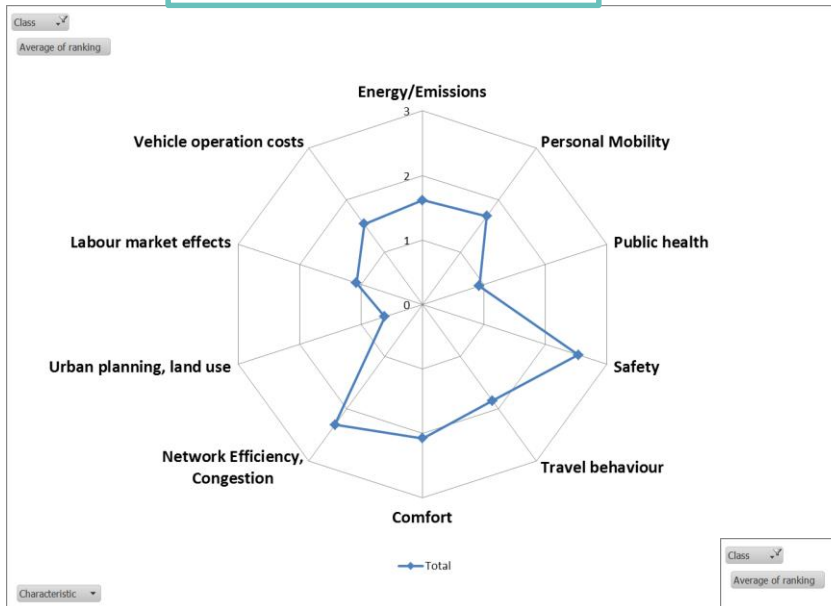
May 2017:
MS workshop on
CAD piloting
activities

*Organised with
INEA and EC RTD
14 projects
**Focus: how to
work together***

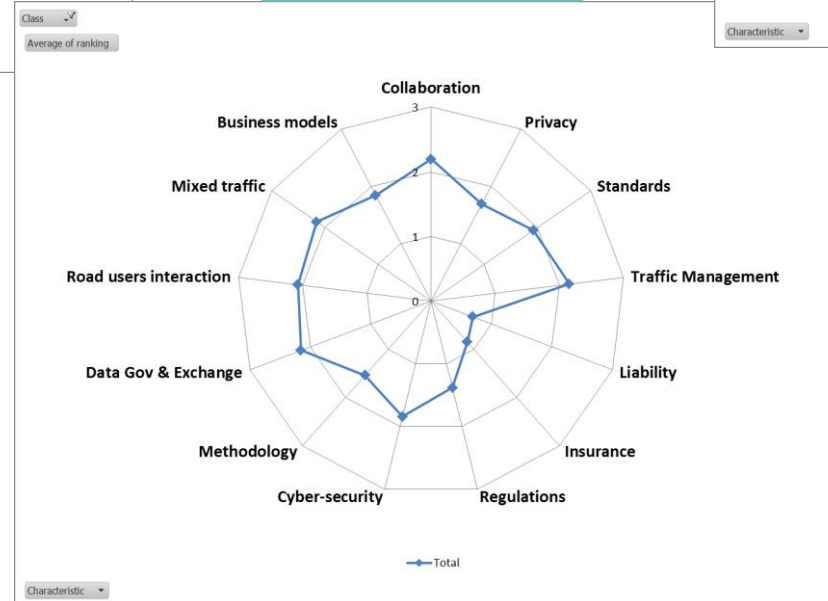
April 2018:
TRA session INV7
on CAD piloting
activities

Spider web classification tool

Impact assessment



Non-technical



Technology



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!



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