

MANTRA

Making full use of Automation for National Transport and Road Authorities
1 Sep 2018 – 31 August 2020

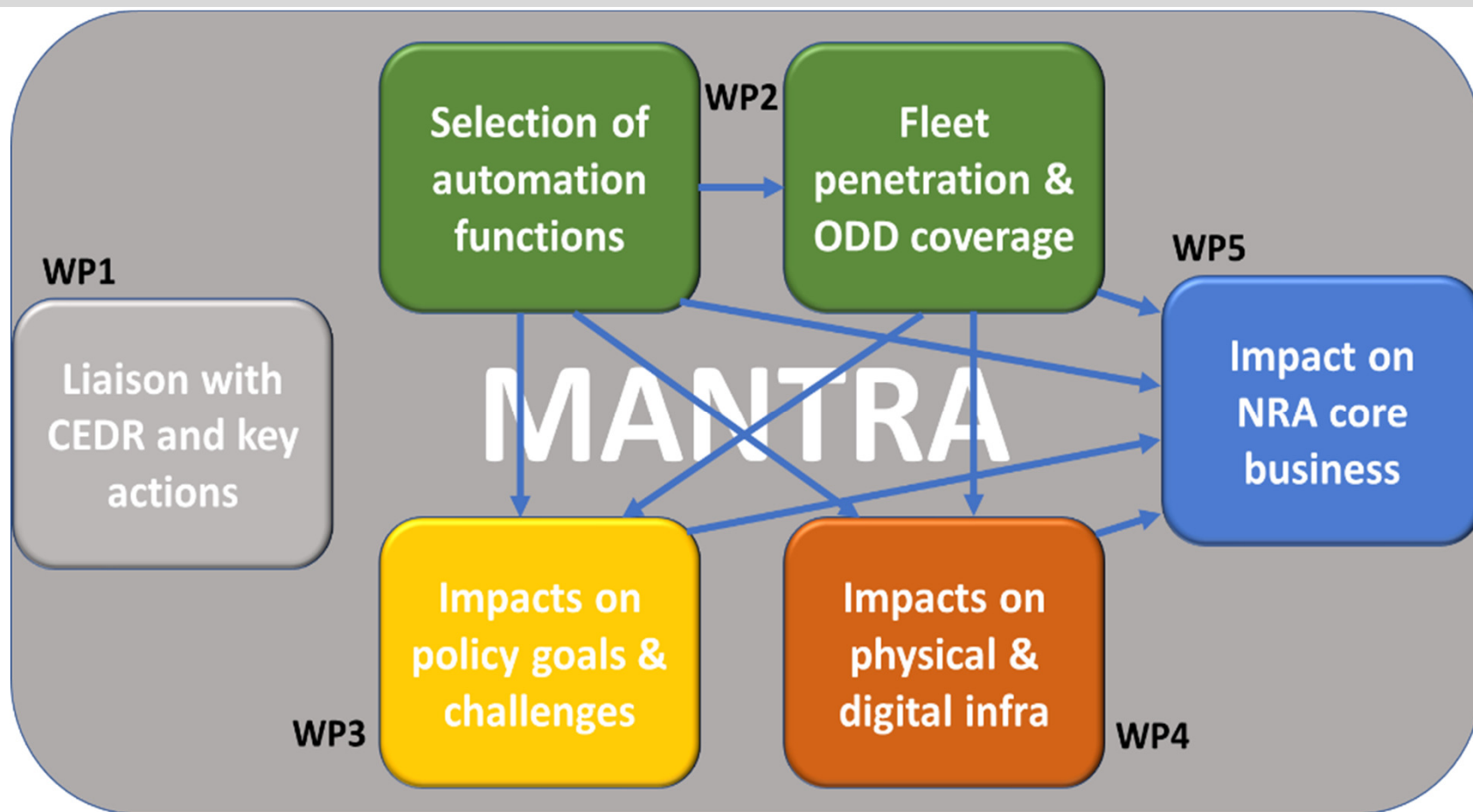
Introduction to and objectives of the workshop

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- MANTRA responds to the questions posed in CEDR Automation Call 2017 Topic A: How will automation change the core business of NRA's
- Objective is to answer the following questions:
 - » What are the influences of automation on the core business in relation to road safety, traffic efficiency, the environment, customer service, maintenance and construction processes?
 - » How will the current core business on operations & services, planning & building and ICT change in the future?

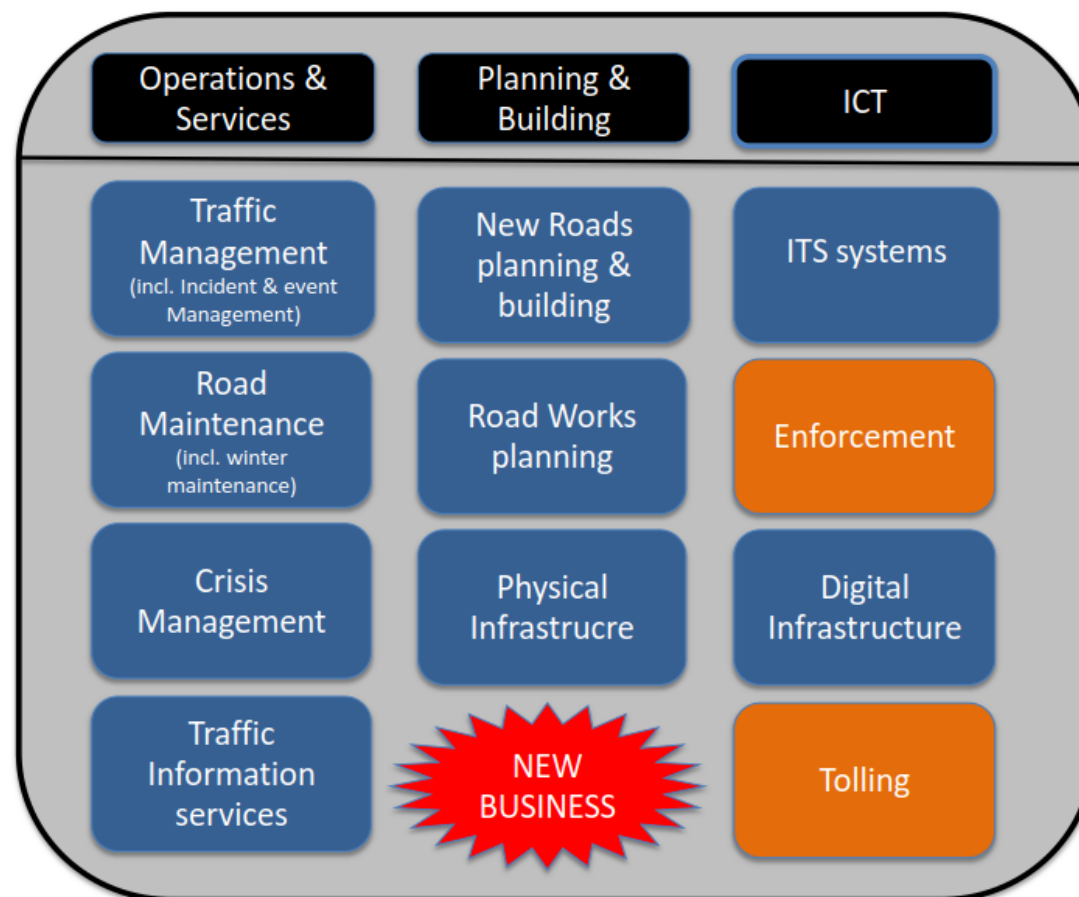




Use cases in analysis

- Highway autopilot/ chauffeur
- Highly automated (freight) vehicles on open roads including platooning
- Commercial driverless vehicles as taxi services
- Driverless maintenance and road works vehicles
 - Safety trailers
 - Winter maintenance vehicles

- Discuss impacts on core business, and especially the related adaptations and actions needed due to connected and highly automated driving
- Check
 - » the road map
 - » the action recommended
 - » The timing of the actions



- MANTRA final deliverables
 - » D2.1 Vehicle fleet penetrations and ODD coverage of NRA-relevant automation functions up to 2040
 - » D3.1 Intermediate report of the state of the art on the impact of automated and connected vehicles
 - » D4.1 Intermediate Report on infrastructural consequences
- <https://www.cedr.eu/strategic-plan-tasks/research/call-2017/call-2017-automation/>
 - » Contains also results from two other projects of the same call
 - DIRIZON on road authorities and digitalisation
 - STAPLE on learning from automated driving test sites
- Own web site: www.mantra-research.eu
 - » Contains also WS proceedings – 10 September 2019 and will contain today's