



On the road to Connected and Automated Mobility

Automated vehicles and urban traffic management
MAVEN workshop, 24 October 2018

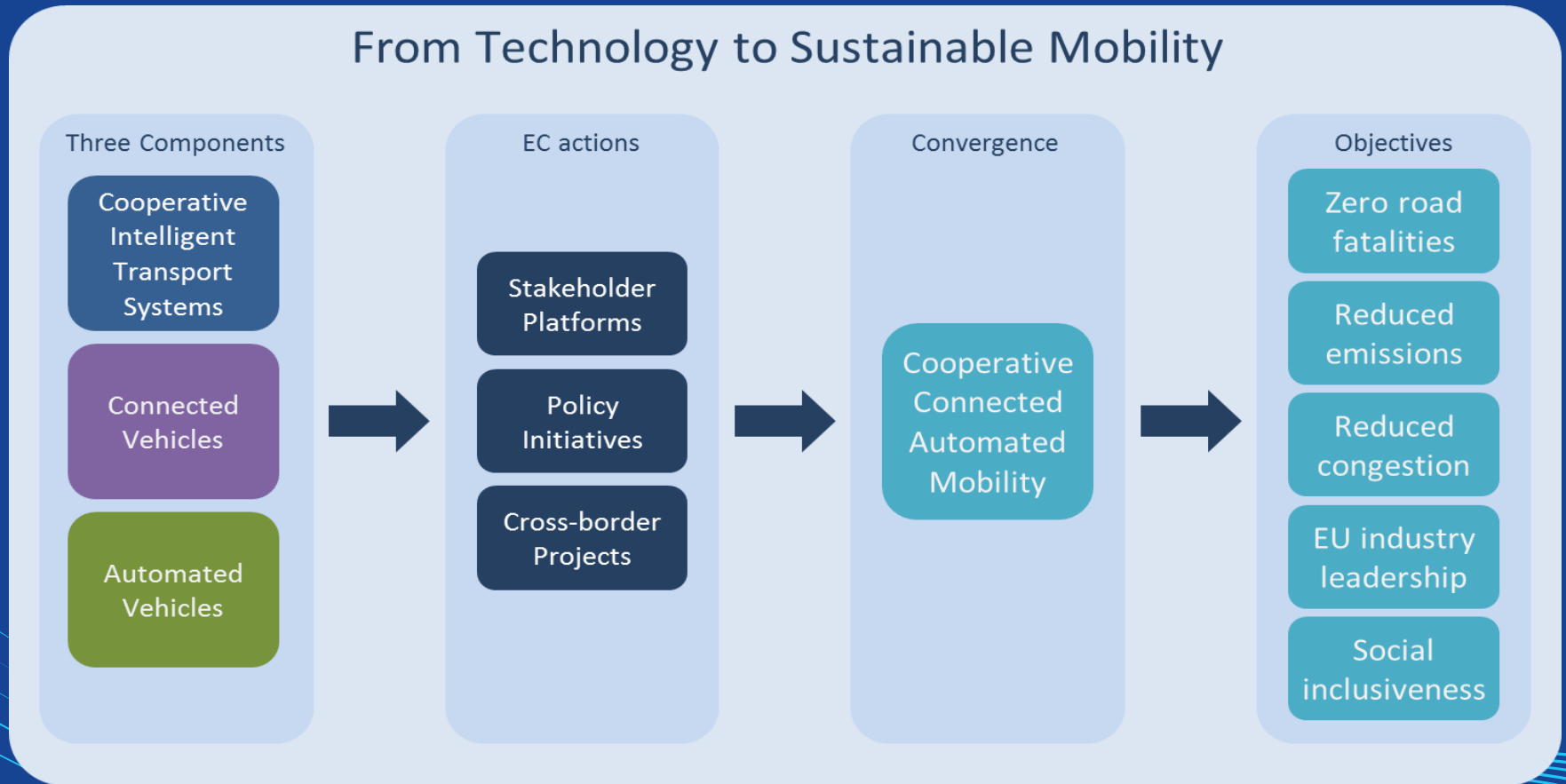
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From Technology to Sustainable Mobility





EU strategy on automated mobility

Adoption: 17 May 2018 (3rd Mobility Package)

Goal: to provide a **common EU vision and agenda** on connected and automated mobility

Desire from **Member States** and **industry**
'*Amsterdam Declaration*' of 2016 as echoed in GEAR
2030 High Level Group recommendations of 2017

EU strategy on automated mobility

One common EU vision

1. Assisting systems (SAE Levels 1/2) already on the EU market (2018)
2. Automated systems (SAE Level 3/4) on EU roads by 2020 at least for certain use cases: Highway pilot for cars (L3/4), platooning for trucks (L2-3-4) and urban shuttles (L4)
3. Driverless systems by 2025-2030
4. All vehicles expected to be connected to the internet by 2022, C-ITS deployment from 2019



EU strategy on automated mobility

3 main axes:

1. Providing a set of **actions** to ensure that key technologies and infrastructures are **developed in the EU**
2. Ensuring **safe deployment** of automated mobility and **future-proof legal framework**
3. Addressing **societal concerns**, in particular jobs and ethical issues



EU strategy on automated mobility

1. Develop key technologies and infrastructures

- Continued EU effort in **Research** (Horizon Europe/CEF) and **infrastructure** (e.g. 5G, ITS) for the identified use cases.
- **One EU platform** to coordinate testing and make links with pre-deployment activities
- **New partnership** under the next MFF/long-term strategic planning of research and pre-deployment programmes
- By 2019 provide Galileo high accuracy navigation services free of charge

EU strategy on automated mobility

2. Ensuring safe automated mobility and future-proof legal framework

- Intensify coordination on traffic rules and ensure interoperability and security of road safety messages (**C-ITS delegated act**)
- Assess options for **vehicle data sharing** framework + possible legislation on **vehicle data of public interest** + **recommendation** on framework for data sharing, cybersecurity, pioneer spectrum for 5G testing
- New topics to be regulated : longitudinal control, perception of the environment, black boxes, cybersecurity (incl C-ITS delegated act), platooning, etc.
- Promote new technologies, liability, safety and security for vehicles



EU strategy on automated mobility

3. Addressing societal concerns, in particular jobs and ethical issues

- Monitor, consult and discuss on societal impacts
- Commission study on economic impact/jobs
- Support the **acquisition of new skills** (e.g. Skills Agenda for Europe).
- Support **transition of the labour market** during the transition to driverless mobility (support from the European Social Fund).
- Set up a dedicated EU Forum on the specific ethical issues related to driverless mobility



Thank you for your attention!

More information:

Third Mobility Package - Europe on the Move

https://ec.europa.eu/transport/modes/road/news/2018-05-17-europe-on-the-move-3_en

Directorate-General for Mobility and Transport

http://ec.europa.eu/transport/index_en.htm



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