

C-ITS deployment by 2019

The first milestone towards cooperative,
connected and automated vehicles in Europe

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European Commission - DG MOVE
Žilina (Slovakia) 22/11/2016

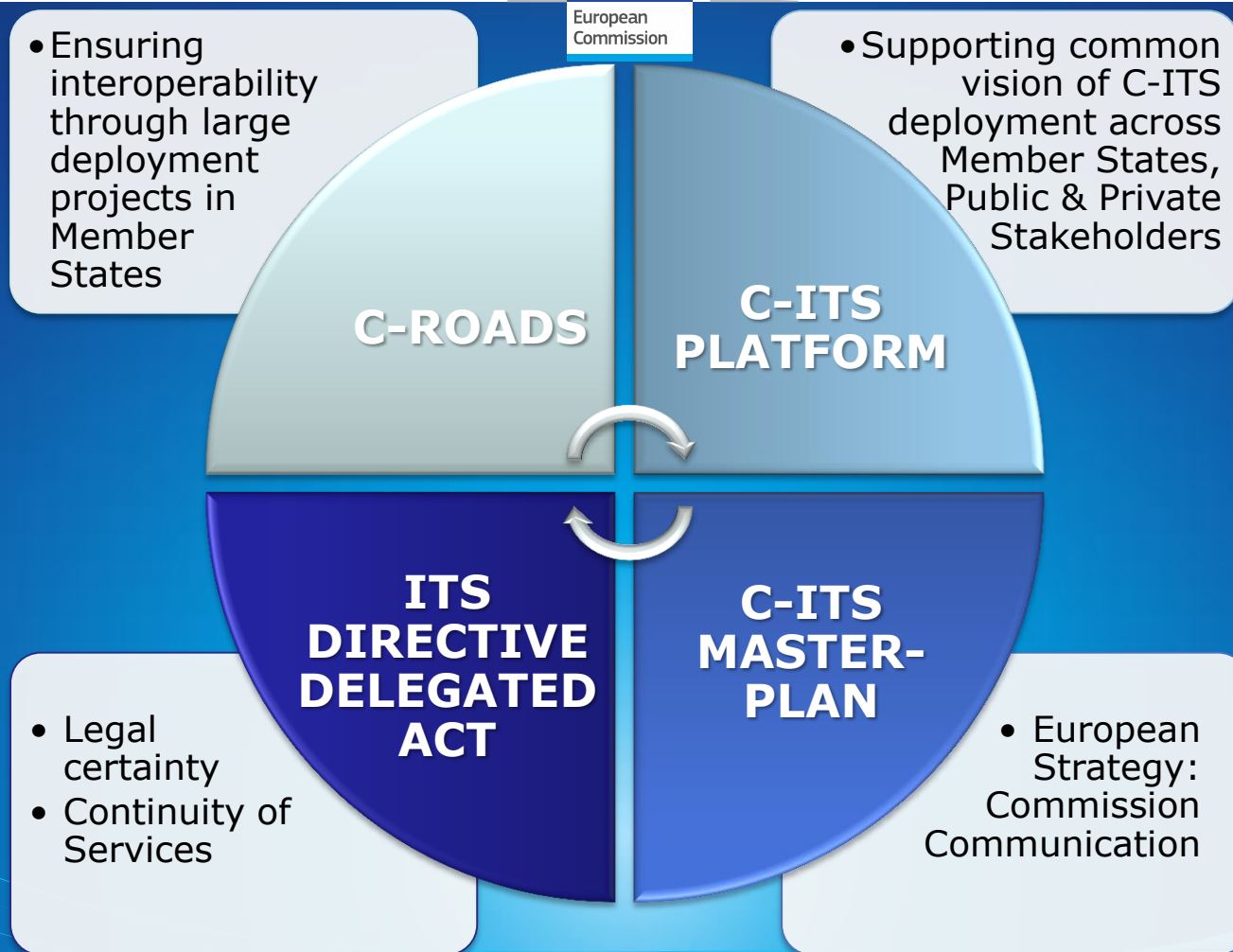


Cooperative, Connected and Automated

- Convinced that cooperation between vehicles is critical to master higher levels of automation
- Connectivity, cooperation and automation are complementary - they will evolve together & need and reinforce each other
- Cooperative Intelligent Transport Systems (C-ITS) are considered as the first milestone towards higher levels of automation



Learning by doing approach



Learning by doing approach



- Ensuring interoperability through large deployment projects in Member States

C-ROADS

- Supporting common vision of C-ITS deployment across Member States, Public & Private Stakeholders

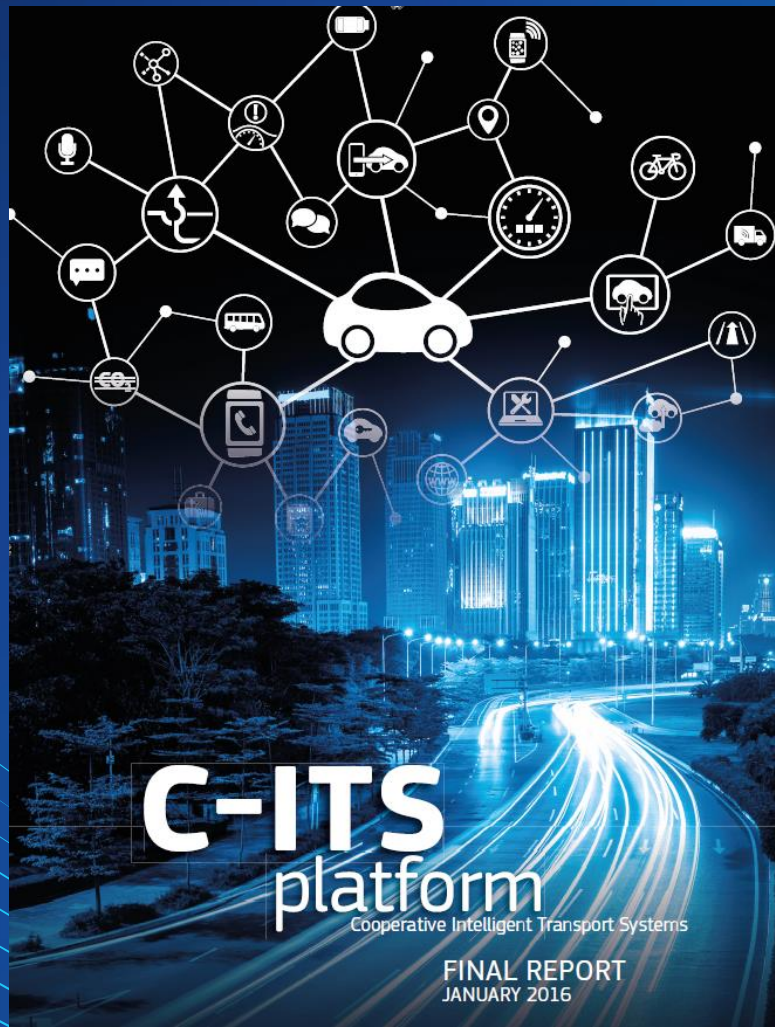
C-ITS PLATFORM

- Legal certainty
- Continuity of Services

ITS DIRECTIVE DELEGATED ACT

- European Strategy: Commission Communication

C-ITS MASTER-PLAN



Setting the scene for the Pan-European Deployment of Cooperative, Connected and Automated Vehicles

C-ITS platform final report & Annexes
available at:
http://ec.europa.eu/transport/themes/its/c-its_en.htm



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Main outcomes – C-ITS Platform Phase I

- Day-1 list of commonly agreed C-ITS services
- A common vision how to tackle cyber security
- A forward looking hybrid communication approach
 - kick start for road safety related services based on ETSI ITS-G5 communication
 - allowing integration of cellular where and when available and appropriate
- Guiding principles for access to in-vehicle data
- Analysis on privacy and data protection
- Principles of compliance assessment

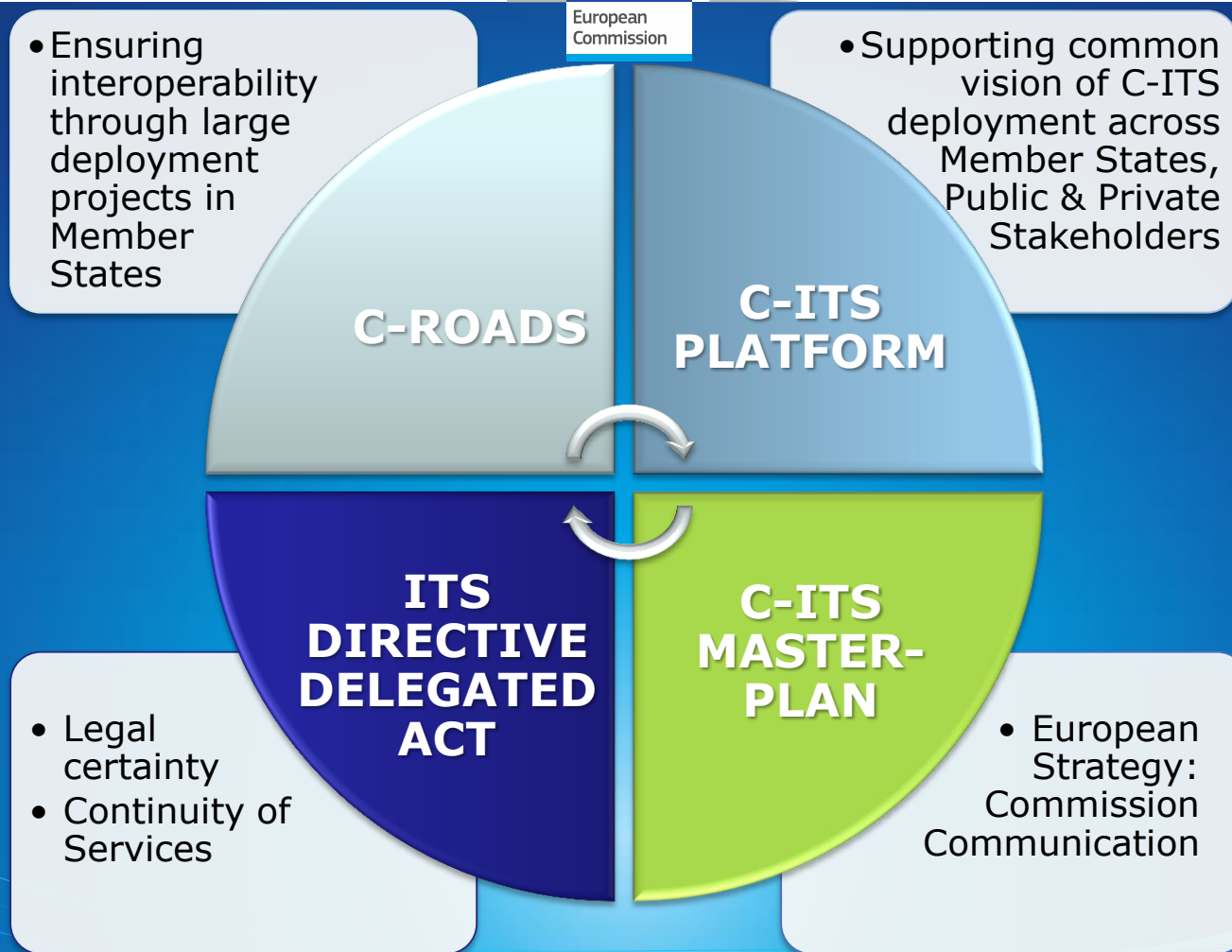


C-ITS Platform Phase II

- Continue supporting C-ITS deployment – implement recommendations of first phase
- Analyse how cooperation, connectivity and automation converge
- C-ITS Platform Report Phase II ⇒ expected September 2017



Learning by doing approach



C-ITS Master Plan

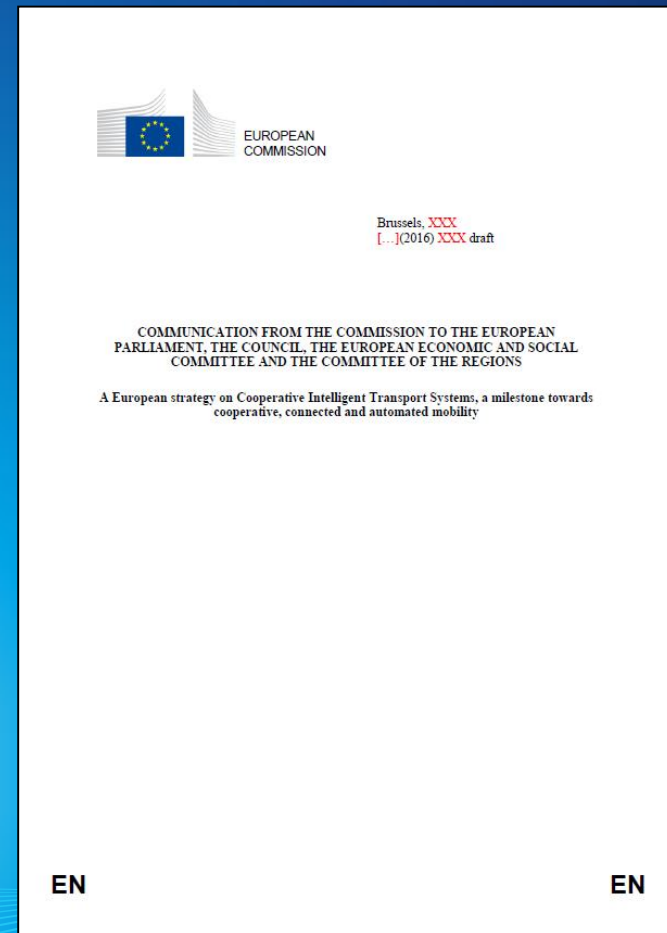
- Establishing the Pan-European Strategy for the Deployment of cooperative and connected vehicles
- First EC Deliverable following the Declaration of Amsterdam of EU Transport Ministers (adoption expected November 2016)
- Milestone towards cooperative, connected and automated vehicles

“Making C-ITS a reality from 2019 onwards”



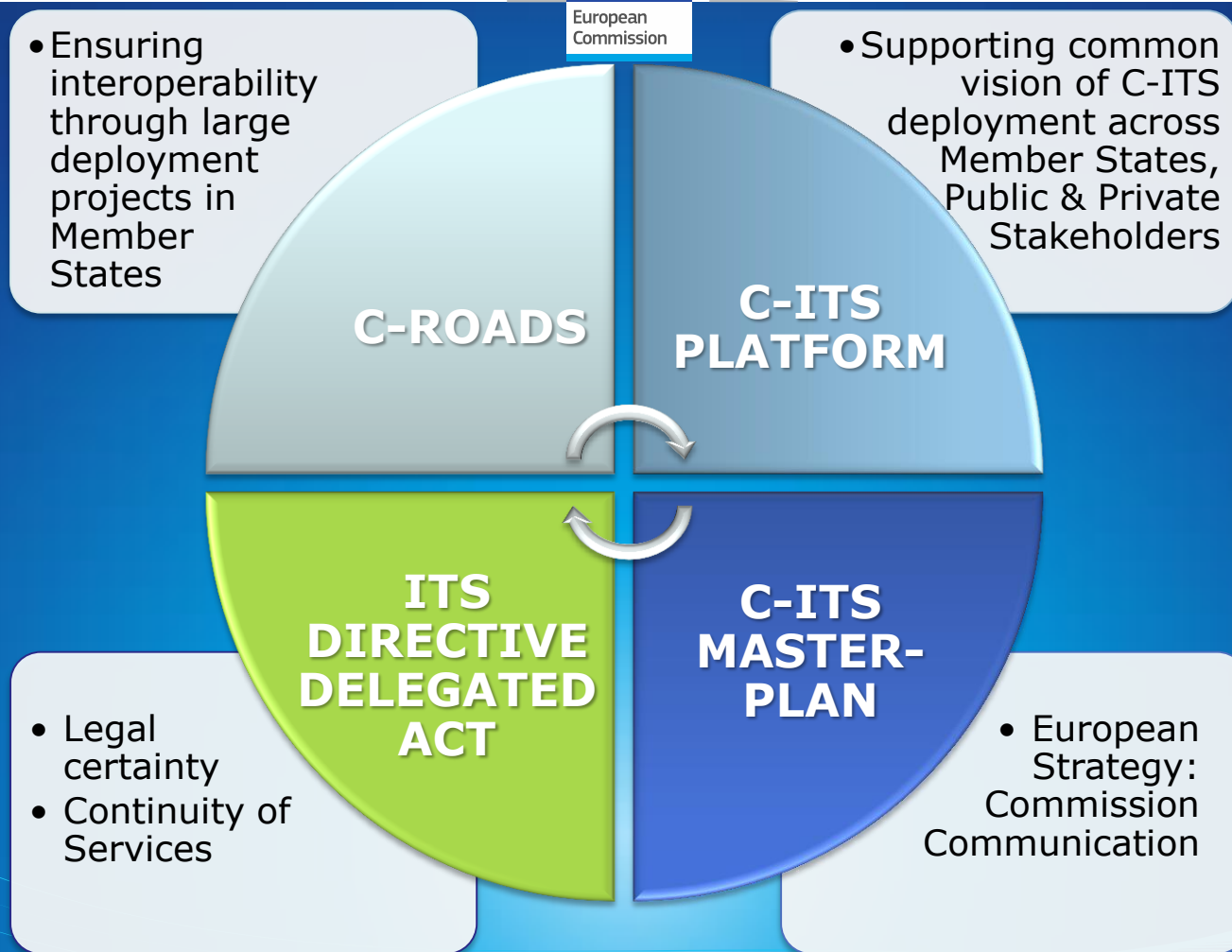
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Learning by doing approach



The C-Roads Platform

- Harmonised deployment of C-ITS in Europe
- Definition of specifications (security, communication, etc.)
- Cross-border pilots & testing in Member States, open to all
- Close cooperation with EC and C-ITS platform, Coordination mechanism of ALL European C-ITS implementation initiatives
- Already over €150 M in deployment investment, expected to be doubled with next CEF Call



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C-ROADS EC Press release
07/10/2016

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Intelligent transport systems

European Commission, Member States and industry join forces on the deployment of connected, cooperative and automated driving in Europe

07/10/2016

This week, the European Commission together with representatives of 12 EU Member States and industry launched the C-ROADS platform – a set of projects on connected, cooperative and automated driving. The C-ROADS platform gathers real-life deployment activities taking place in Austria, Belgium, Czech Republic, Finland, France, Germany, Hungary, Italy, Netherlands, Slovenia, Sweden and UK.

By linking all deployment activities and planning intensive cross-testing, C-ROADS is making cross-border cooperative intelligent transport systems a reality today. The projects serve to make European roads safer for

In parallel and in coordination, the Commission is working on vehicle automation

- Gear 2030: Support Public and Private stakeholders on vehicle automation
- Industry led dialogue with telecom/automotive sectors and industry





CEF PILOTS / C-ROADS Platform

COOPERATIVE

Launch C-ITS platform

Industry commitment

Final Report Phase I

A European Strategy for C-ITS

Final Report Phase II

C-ITS Day 1

2014

2015

2016

2017

2018

2019

... 202X

2050

AUTOMATED

HLD autom. - telco

Launch GEAR 2030

5G Action Plan

Strategy for the vehicle of the future

Enhanced ADAS

Cooperative driving - Automated vehicles

ZERO

VISION

STRIA / H2020

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More Information



Directorate-General for Mobility
and Transport

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

ITS Action Plan and Directive

[http://ec.europa.eu/transport/its/road/
action_plan_en.htm](http://ec.europa.eu/transport/its/road/action_plan_en.htm)

Thank you for your attention!

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European Commission - DG MOVE

Unit B.4: Sustainable & Intelligent Transport

