*44*TH *ASECAP STUDY & INFORMATION DAYS 2016*

How to gradually shift from traditional ITS towards autonomous driving

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Organized by **ASECAP**
Association Européenne des Concessionnaires d'Autoroutes et d'Ouvrages à Péage

DECLARATION OF AMSTERDAM

Support from 28 Transport Ministers and Commissioner Bulc to :

- Develop a shared European strategy on connected and automated driving
- Continue the C-ITS platform
- Adapt, if necessary, the EU regulatory framework
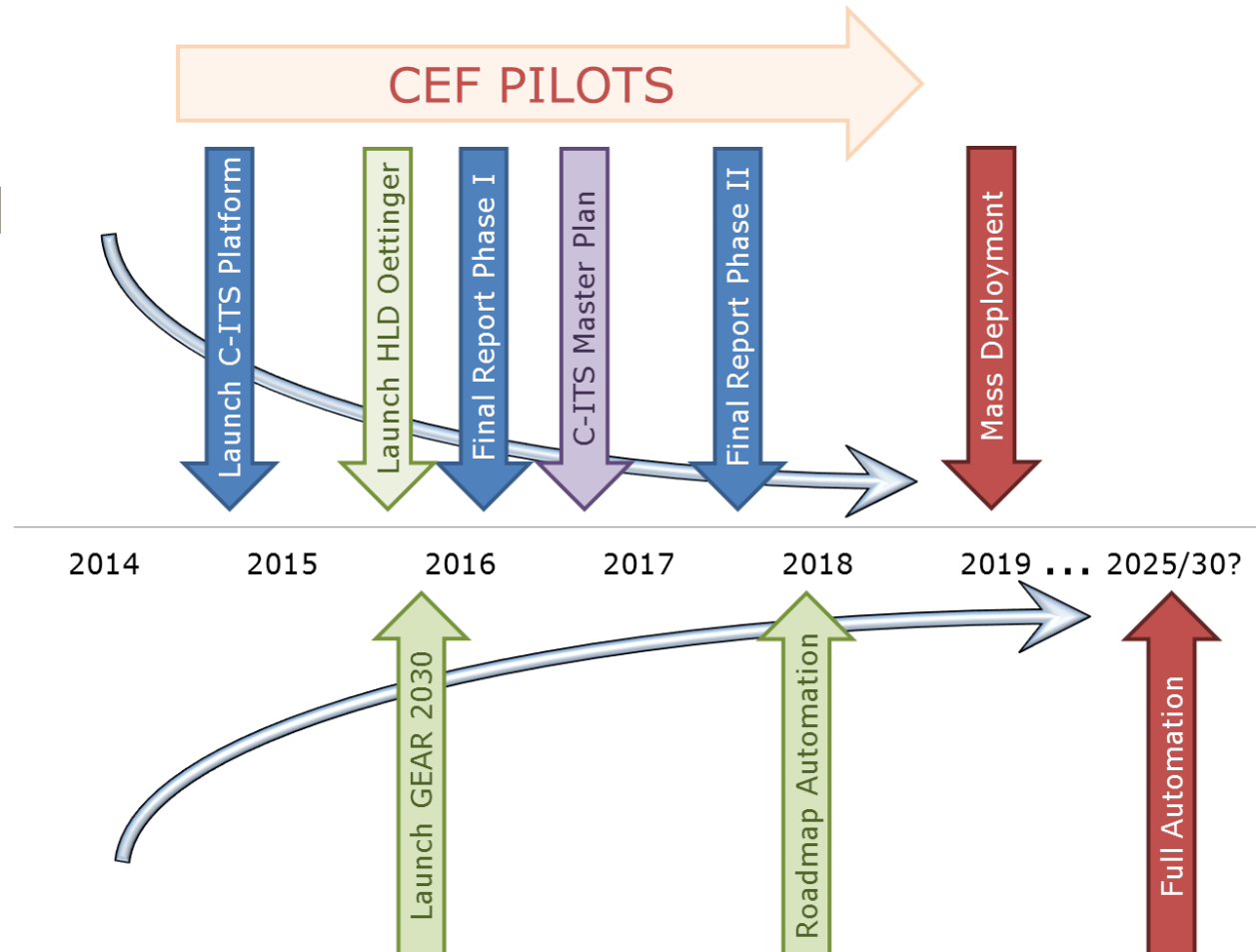- Coordinated approach for Research and Innovation

Declaration of Amsterdam

Cooperation in the field of connected and automated driving

14-15 April 2016

EU
2016

DECLARATION OF AMSTERDAM

- Connected and automated go hand-in-hand, compliment and re-inforce each other

- Converge to maximise societal benefits

- Learning by Doing to ensure interoperability

CEF PILOTS

Launch C-ITS Platform

Launch HLD Oettinger

Final Report Phase I

C-ITS Master Plan

Final Report Phase II

Mass Deployment

| 2014 | 2015 | 2016 | 2017 | 2018 | 2019 ... 2025/30? |

Launch GEAR 2030

Roadmap Automation

Full Automation

C-ITS PLATFORM PHASE I

- Ended in the 21 January 2016 plenary
- Final report fully endorsed, contains MANY expert recommendations + MANY annexes

- Addresses amongst others
  - Hybrid Communication / Spectrum
  - Access to in-vehicle data
  - Data Protection & Privacy
  - Standardisation & Interoperability
  - Security
  - List of Day 1 (Day 1,5) applications
  - Cost Benefit Analysis

C-ITS Platform Phase II

- Support and contribute to the shared strategy for connected and automated vehicles in the EU
- Continue supporting C-ITS deployment
- Implement recommendations of Final Report First Phase C-ITS Platform
- Converging connectivity and automation
  - C-ITS and automation in urban areas
  - Enhanced Traffic Management
  - Road Safety
  - **Physical and digital Road Infrastructure**
- Complementing GEAR 2030 (focusing on the vehicle)

Connected and automated driving

- Will create new requirements on the infrastructure
- In some cases these will be essential prerequisites
- In other they will be highly recommended (e.g. for safety reasons, during the transition period, etc.)
- Will require but also generate a lot of data
- This data will need to be exchanged by many stakeholders and therefore needs to be well understood and clearly defined
- As investment cycles are typically very long it is important we think about this now

Expected Outcomes

- Mapping all new requirements imposed on Physical and Digital Road Infrastructure

- Aligning requirements coming from connected and automated driving

- Sketching the transition period, what may become obsolete and how much weight could shift from Physical to Digital Infrastructure

- Initial roadmap or timeline for investments in Physical and Digital Road Infrastructure