

C-ITS Deployment is underway!



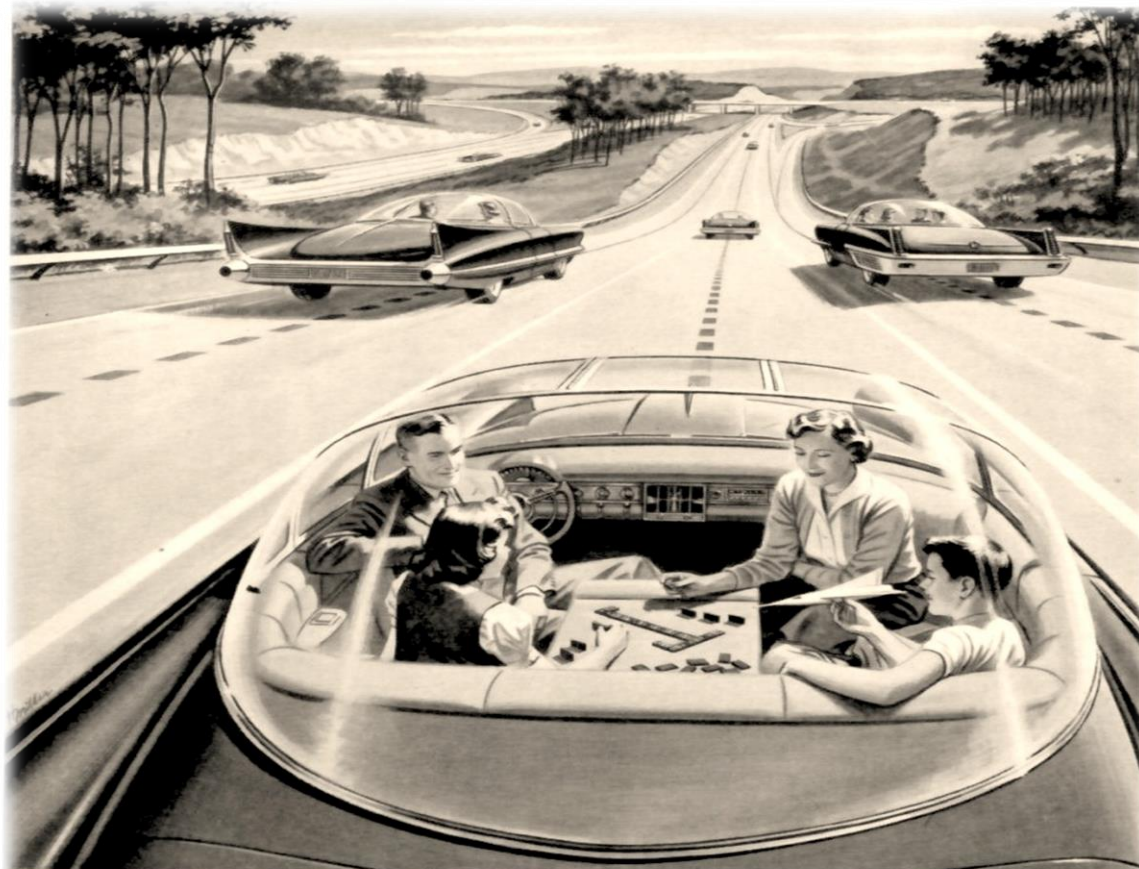
**María Alfayate – DG MOVE
AG – CODECS Workshop
15 September 2015**

Connectivity: A European perspective

4 key messages!



1. No interest in automation if vehicles and infrastructure are not connected



ELECTRICITY MAY BE THE DRIVER. One day your car may speed along an electric super-highway, its speed and steering automatically controlled by electronic devices embedded in the road. Highways will be made safe—by electricity! No traffic jams . . . no collisions . . . no driver fatigue.

2. Systemic nature of transport and expected benefits from C-ITS



3. A sense of urgency

- **C-ITS Deployment is underway: we have moved from R&D to deployment (at least for Day 1 applications)**
- **Need for coordination to ensure interoperability and coherent deployment**
- **Tight time window for European players to keep competitiveness while other regions of the world are moving fast.**



4. Developing a shared vision on a deployment of C-ITS: a prerequisite for the success of the deployment strategy



Co-operative systems / "connected mobility"

Development of a shared vision, strategy and roadmap (EC Master Plan for the Deployment of C-ITS in the first half of 2016)

- **Contributes to multiple policy objectives**
- **Connects all the elements of the transport chain (all type of vehicles, infrastructure, public transport and vulnerable road users: pedestrians, cyclists, motorcyclists)**
- **Implementation relies on various instruments:**
 - **Establishment of a stakeholder platform (Public-private engagement on content, process development & ownership of final outcome – What has to be done, by whom and when)**
 - **Analysis of cross-cutting blocking factors and enablers: technical, legal, organisational, policy and administrative**
 - **Legislation & standardisation as/if needed**
 - **International cooperation**

C-ITS platform: building a shared vision on deployment

- Looking at deployment scenarios
- Finding ways to tackle issues hampering coordinated deployment



GAP ANALYSIS: WHAT IS TO BE DONE FOR C-ITS DEPLOYMENT?

WP1 COST BENEFIT ANALYSIS

WP2 BUSINESS CASES FOR DEPLOYMENT

WP3
LEGAL
ISSUES

WP4
SYSTEM'S
GOVERNANCE &
PRIVACY

WP5
SECURITY
&
CERTIFICATION

WP6
TECHNICAL
ISSUES

WP7
STANDARDISATION
ISSUES

WP8
PUBLIC
ACCEPTANCE

WP9
IMPLEMENTATION
ISSUES

* Standardisation →
Horizontal Topic

WP10 INTERNATIONAL COOPERATION

WP11 ROADMAP FOR DEPLOYMENT OF C-ITS

▶ Not launched yet

Work ongoing in the C-ITS platform

- » **Cost-benefit analysis:** what services and where, which fleet and how?
- » **Data protection and privacy:** how to apply the current data protection legislation? What are the impacts of the reform?
- » **Security/Certification:** focus on communication flows. How to avoid different requirements in MS? More?
- » **Liability:** does C-ITS impact current liability regimes?
- » **Frequencies:** how to ensure coexistence between C-ITS and tolling?
- » **Access to in-vehicle data**
- » **Road safety issues:** equipped/non equipped vehicles? Human Machine Interface?
- » **Public Acceptance:** Common approaches to issues common to different users groups?



Using financial instruments to support deployment

- » **Horizon 2020**
- » **Connecting Europe Facility (CEF)**
 - » **Scoop@F and Scoop@F II**
 - » **NordicWay**



Using financial instruments to support deployment: Connecting Europe Facility

- » **New Call: end Nov 2015 – end Feb 2016**
- » **Exclusive focus of ITS on Cooperative Systems**
- » **Expected budget: 70 M€**
- » **Cohesion countries: C-ITS encouraged!**
 - » **Budget: flexibility to decide within their own budget**



Using financial instruments to support deployment: CEF (II)

- » **What would the EC expect and like to see?**
 - » **Coherent approach with general policy framework under development**
 - » **Demonstrating interoperability!:**
 - » **Cooperation between existing projects and initiatives and new ones: common elements, cross-site test of vehicles are highly encourage**



Thank you for your attention

