



# European Policy for C-ITS

## Towards connected mobility

María Alfayate - European Commission - MOVE/C3  
BE-UNECE ITS Workshop - Brussels – 17 November 2014



# Autonomous & Cooperative ITS

(Steven E. Shladover, California PATH Prog, U. California)

**Autonomous ITS**

**Cooperative ITS**

**Automated  
Driving  
Systems**

# Automation can be a tool to solve Transport Problems

- *Contributing to decrease congestion:*
    - Increase capacity of road infrastructure
    - Improve traffic flow dynamics
  - *Reducing energy use and emissions*
    - Platooning
    - Improve traffic flow dynamics
  - *Improving safety*
    - Reducing and mitigating crashes
  - **Increasing mobility choices for the elderly**
- ... **BUT vehicles need to be connected to maximise positive effects!!!**

# The European approach to Cooperative Systems

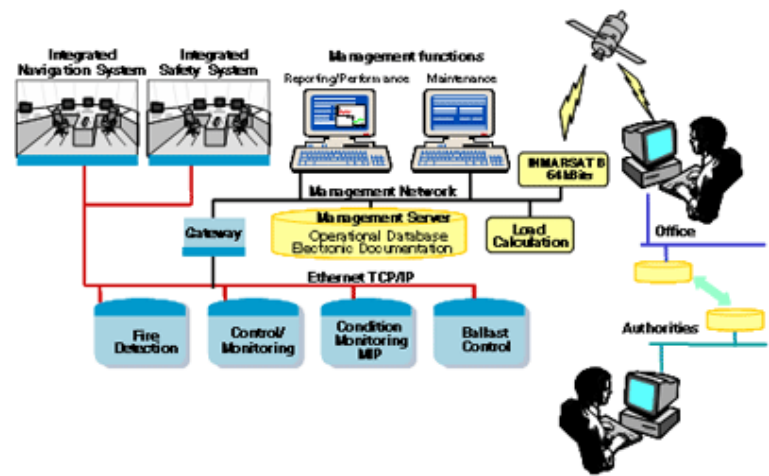
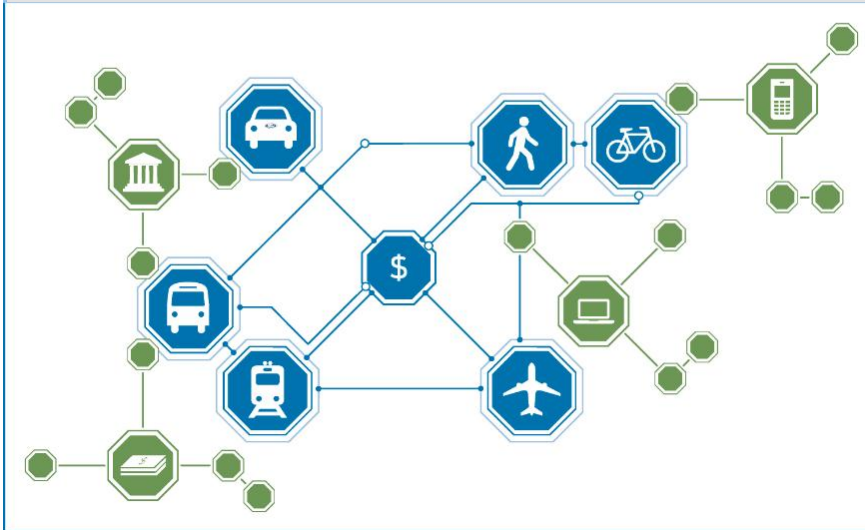
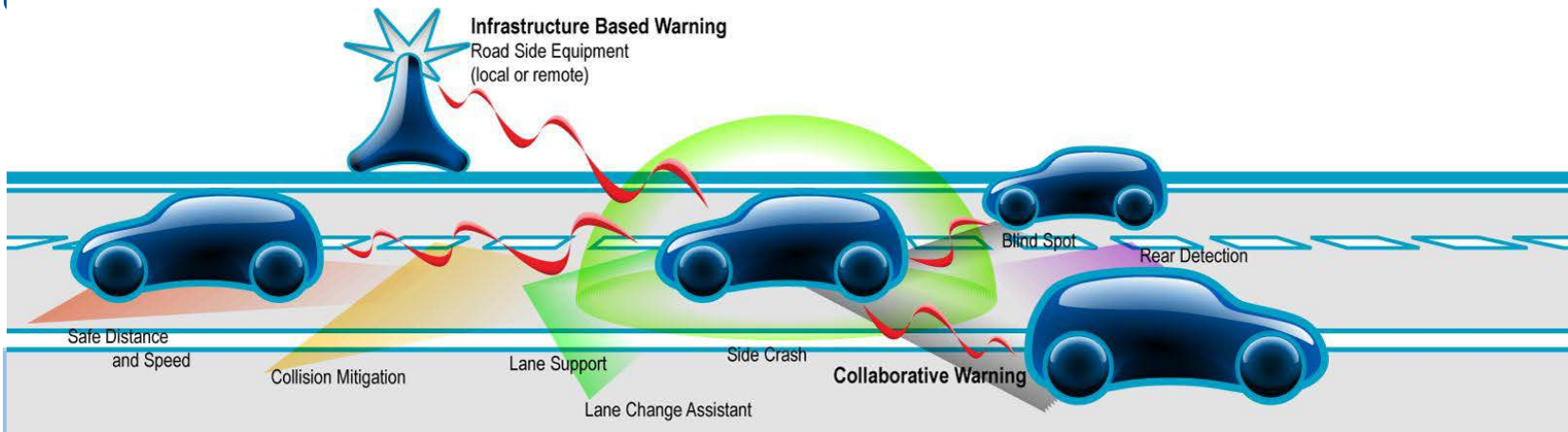
*Cooperative Systems understood as "connected mobility":*

- *More than V2V and V2I*
- *Go and in hand with an increase of vehicle automation*
- *Connecting all the elements of the transport chain (including public transport and vulnerable road users: pedestrians, cyclists, motorcyclists)*
- *Contribution to a plurality of policy objectives:*
  - improving road safety
  - enhancing mobility & reducing congestion
  - optimising performance & capacity of transport infrastructure
  - increasing real time reliability
  - improving efficiency of logistic operations
  - and hence: reducing energy use & environmental impacts



European Commission

# Cooperative Systems



# Instruments to go ahead towards Deployment

- *Public-Private Engagement: The Platform for the Deployment of C-ITS in the European Union*
- *Funding schemes:*
  - Research, Development & Innovation – Horizon 2020
  - Infrastructure funds - "Connecting Europe Facility": Grant scheme and Innovative Financial Instruments. Starting with Pilot testing and building up towards large scale deployment.
- *Legislation*
- *International Cooperation*

# The C-ITS Deployment Platform

- ***Objective: "Developing a shared vision and a roadmap for the Deployment of Cooperative Systems in the EU"***
- ***Public-Private partnership: On content, process development and ownership of final outcome***
- ***Analysis of cross-cutting blocking factors and enablers: technical, legal, organisational, policy and administrative***
- ***Outcome: Building blocks for a "Communication by the European Commission on the Deployment of C-ITS"  
What has to be done by whom and when? Early 2016***

# 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

WP10 INTERNATIONAL COOPERATION



WP11 ROADMAP FOR DEPLOYMENT OF C-ITS



