C-ROADS

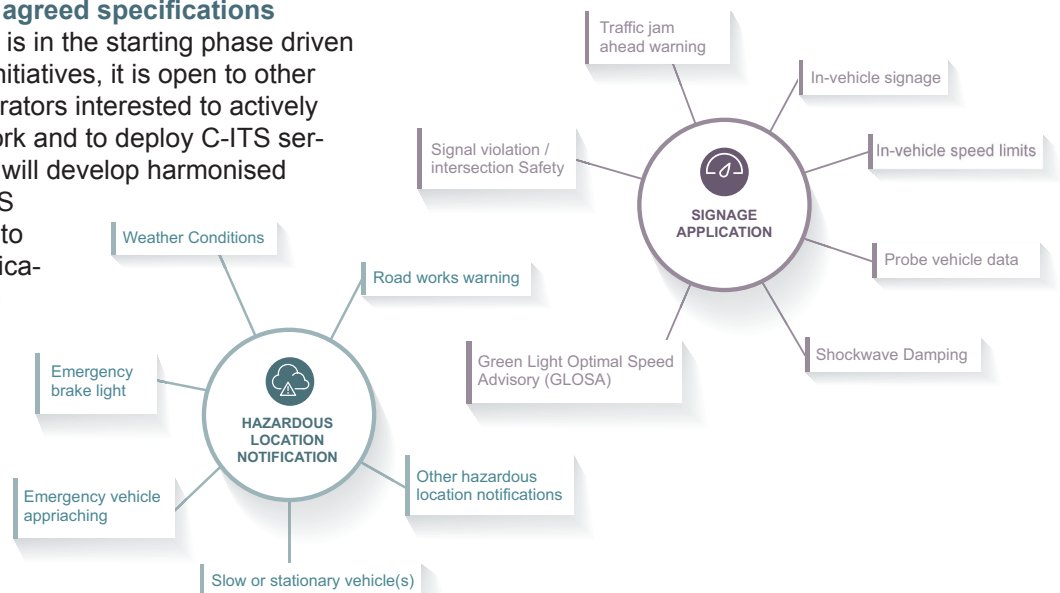# C-ROADS - THE PLATFORM OF C-ITS DEPLOYMENTS IN EUROPE

Member States towards C-ITS deployment

The C-Roads Platform is a joint initiative of European Member States and road operators which are in the phase of installing C-ITS for the testing and later operation of "C-ITS Day-1 services"[1]. Pilot installations will be harmonised, in light of cross-border interoperability based on cooperation within the C-Roads Platform. Key elements are the joint development of technical specifications which are to provide the basis for all pilot deployments, as well as commonly prepared cross-site tests to demonstrate interoperability of the deployed C-ITS services.

[1] Day-1 services, defined by the C-ITS Platform, are expected to be available in the short term because of their expected societal benefits and the maturity of technology.

Development of commonly agreed specifications

Even if the C-Roads Platform is in the starting phase driven by CEF-funded deployment initiatives, it is open to other Member States and road operators interested to actively participate in the technical work and to deploy C-ITS services. The C-Roads Platform will develop harmonised specifications taking the C-ITS Platform recommendations into account. All developed specifications will be publicly available to provide a basis for pilot deployments on the road network.

SIGNAGE APPLICATION

Traffic jam ahead warning
In-vehicle signage
Signal violation / intersection Safety
In-vehicle speed limits
Probe vehicle data
Green Light Optimal Speed Advisory (GLOSA)
Shockwave Damping

HAZARDOUS LOCATION NOTIFICATION

Weather Conditions
Road works warning
Emergency brake light
Emergency vehicle appriaching
Other hazardous location notifications
Slow or stationary vehicle(s)

European Commission and INEA

The European Commission (EC) and the Innovation and Networks Executive Agency (INEA) are closely linked to the C-Roads Platform and supporting the initiative from the very beginning. They will follow and actively participate to the C-Roads Platform providing the legislative framework and ensuring the link to other C-ITS relevant stakeholder groups. They additionally contribute with the policy support needed for a pan-European and harmonised deployment of C-ITS.

Full commitment to hybrid communication

In accordance to the European strategy on Cooperative Intelligent Transport Systems (COM(2016) 766) the C-Roads Platform supports the use of hybrid communication technologies. The starting point for pilot deployments will be the combination of ETSI ITS-G5 and existing cellular networks.

www.c-roads.eu

C-ROADS

EUROPEAN PILOTS FOR INTEROPERABLE C-ITS SERVICES

C-ROADS AUSTRIA

Austria
300km of Austrian motorways connecting Vienna and Salzburg, the Brenner corridor and the surroundings of Graz will be equipped with C-ITS infrastructure.

C-ROADS BELGIUM / FLANDERS

InterCor

Belgium / Flanders
Priority will be given to motorways surrounding Antwerp and segments towards the Netherlands.

C-ROADS CZECH REPUBLIC

Czech Republic
C-ITS services will be piloted on more than 200 km of motorways connecting Prague with Brno, Hradec Kralove, Pilsen and further towards Germany in the direction to Nuremberg and towards Austria. Pilot sites in the cities of Pilsen, Brno and Ostrava will verify urban C-ITS use cases.

C-ROADS FRANCE

InterCor

France
The French C-ITS pilot deployment project is set up by 14 French beneficiaries covering the whole functional chain of C-ITS systems and services, including most partners of SCOOP@F but also cities, new road operators and academic partners.
France is also part of the 4-country project InterCor to extend the coverage of SCOOP@F towards the North of France, with an additional focus on freight services.

C-ROADS GERMANY

Germany
On motorways as well as on links to urban areas, C-ITS Day-1 services will be piloted in the Federal States of Lower Saxony and Hessen in public-private partnership of in total 17 beneficiaries.

InterCor

The Netherlands
Along the motorway network from Venlo to Rotterdam as well as in the surrounding area of Utrecht C-ITS Day-1-services will be piloted with an additional focus on freight services.

C-ROADS SLOVENIA

Slovenia
100km of the Slovenian core network will be equipped to pilot ITS-G5 as well as hybrid communication profiles to deliver C-ITS Day-1 services.

InterCor

United Kingdom
The UK is focusing on C-ITS Day-1-services which will be piloted on the A2/M2 Corridor between London and Dover. A mix of communication systems, including hybrid solutions, will be deployed along different stretches of the Corridor.