

# Interoperability is essential to take advantage of Cooperative Intelligent Transport Systems, says European Commission funded review

20 June 2016

**There has been 'a lot of good technical research' into Cooperative Intelligent Transport Systems (C-ITS); however, there remains a significant body of work to be done and to address different approaches amongst stakeholders on certain aspects, according to a new report from the European Commission funded Transport Research & Innovation Portal (TRIP)**

The latest research theme analysis report has drawn its findings from the analysis of over a decade's worth of C-ITS projects submitted by academics, policy makers and private sector organisations to the online TRIP portal. The report provides a comprehensive review of C-ITS progress and points to standardisation and principles of interoperability as the biggest barriers facing the widespread adoption of the technology in Europe. To avoid a fragmented approach to deployment, the report makes a number of scientific and policy recommendations to help transport researchers overcome the barriers in C-ITS implementation and create safer and more sustainable transport systems. Download the report for free at <http://www.transport-research.info/c-its>

C-ITS is a process of communication and data sharing between components of transport systems - such as vehicles, infrastructure and pedestrians - which can be used to avoid collisions, reduce vehicle emissions and enable traffic to operate more efficiently. C-ITS has been identified as a core technology to move beyond the capacity of stand-alone

transport systems in Europe, however the rate of development and implementation varies widely depending on technology and application.

The new report explores the scientific advances required to make implementation of C-ITS feasible and the political, legal and ethical issues that must be addressed during development. These include the compatibility of highly automated vehicles with existing legislation and the consequent effects on personal liability and culpability. Despite these challenges, the review identifies that there is already 'plenty of best practice at the implementation level' to support C-ITS, and recommends closer collaboration between stakeholders, academia and the private sector to bridge gaps in capacity.

"C-ITS is an exciting technology with the potential to greatly improve transport systems not only in Europe but throughout the entire world," said Gareth Horton, TRIP lead analyst. "The new report provides a comprehensive review of C-ITS research in Europe to date, and has only been made possible through the open sharing of knowledge and research stimulated by the TRIP portal. I hope that the recommendations made will provide direction for Europe's academics, policy makers and businesses to turn this exciting technology into reality."

TRIP is a free, European Commission funded online portal for EU transport professionals to share and discuss innovation in mobility, with over 60,000 users and rising from almost every country in Europe. Previous outcomes of TRIP's research include a comprehensive report on Urban Mobility, which includes guidance and recommendations for developing Intelligent Transport Systems (ITS) in Europe's cities. Download the report at <http://transport-research.info/urban-mobility>

Reach academics, local authority transport departments, central transport policy makers and businesses throughout Europe's transport sector by submitting your transport project at <http://www.transport-research.info/>

## Ends

### Notes to editors

This is a press release distributed by the Transport Research and Innovation Portal (TRIP). TRIP is funded by the Directorate-General for Mobility and Transport (DG MOVE) of the European Commission, under the Seventh Framework Programme for Research and Development. TRIP website: [www.transport-research.info](http://www.transport-research.info).



## About the Transport Research and Innovation Portal

The Transport Research and Innovation Portal (TRIP) is the one single portal for all transport research and innovation conducted at European and national levels. TRIP is segmented by topic area to make information easy to access: Mode, Sector, Evaluation, Technology and Policy.

### Who is it for?

- Policy makers at the local and national level, in the EU and beyond;
- Researchers of transport and mobility;
- Road transport development professionals;
- Service providers;
- Research users.

TRIP helps to increase awareness and understanding of transport research and innovation projects across Europe and at national level. It provides you with easy access to the most up to date information; building and sharing knowledge, which will help create solutions and innovation for the future.

### TRIP contains:

- Project database of more than 8400 transport research related projects;
- Country profiles presenting national institutions and organisations responsible for promoting and supporting transport research;
- Programmes for research and innovation in transport;
- Policy brochures and research theme analysis reports presenting policy, research and theme summaries;
- News of the latest in transport research, policies and innovation including a monthly e-newsletter;
- Events calendar of international transport conferences.

## What is the European Research Area?

The European Research Area is composed of all research and development activities, programmes and policies in Europe, which involve a transnational perspective. Together, they enable researchers, research institutions and businesses to increasingly circulate, compete and co-operate across borders. The aim is to give them access to a Europe-wide open space for knowledge and technologies, in which transnational synergies and complementarities are fully exploited.

ERA consists of activities, programmes and policies, which are designed and operated at all levels: regional, national and European.

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