

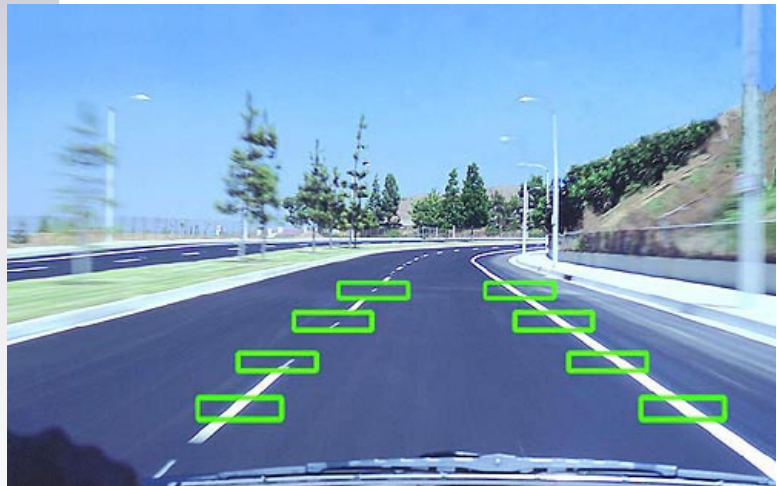



eIMPACT

*Socio-economic Impact Assessment
of stand-alone and co-operative
intelligent vehicle safety systems
(IVSS) in Europe*

eIMPACT is an European Specific Targeted Project co-funded by the European Commission Information Society Technologies and Media. This 6th Framework project, coordinated by TNO focuses on the socio-economic Impact Assessment of stand-alone and co-operative intelligent vehicle safety systems (IVSS) in Europe. The project started in January 2006 and will end in December 2007.

European governments aim to halve road fatalities by the year 2010. One way to achieve this aim is provided by IVSS. The successful introduction on the market of IVSS is strongly related to the socio-economic impact of such systems and, in this context, eIMPACT will contribute to paving the way to their successful implementation.



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Socio-economic impacts

The socio-economic impact assessment, developed in the SEiSS project (2005), forms the basis for this project and will be extended in eIMPACT to address stakeholder-specific issues. All other eIMPACT work is defined in relation to this socio-economic impact assessment. Key activities include:

- Identification of the most promising stand-alone and co-operative IVSS technologies;
- Development of scenarios for IVSS for the years 2010 and 2020;
- Impact of IVSS traffic safety and efficiency in these scenarios;
- Identification of policies to enable the implementation of IVSS.

Expected results

The most important results of eIMPACT will be:

- Inventory and recommendations of IVSS for in-depth socio-economic impact assessment;
- Methodological framework and database for socio-economic evaluation of IVSSs;
- Traffic and Safety impact assessment of IVSS;
- Cost-benefit analysis for stand-alone and co-operative Intelligent Vehicle Safety Systems;
- Policy recommendations to promote selected Intelligent Vehicle Safety Systems;
- Stakeholder Analysis for Intelligent Vehicle Safety Systems;
- Perspectives for market introduction of Intelligent Vehicle Safety Systems.

These results will contribute directly to policy development at European and national levels. Information about workshops, conferences, newsletters & brochures will be available from the website www.eimpact.info.

Cooperation with TRACE (TRaffic Accident Causation In Europe)

eIMPACT is in close co-operation with TRACE, a concurrent European-funded project. TRACE is an initiative to update accident causation data and evaluate the safety benefits of technologies. The general objective of TRACE is to provide the scientific community, the stakeholders, the suppliers, the vehicle industry and the other Integrated Safety program participants with a

global overview of the road accident causation issues in Europe, and possibly overseas. The findings of TRACE are based on the analysis of available databases which include accident, injury, insurance, medical and exposure data (including driver behaviour in normal driving conditions). TRACE identifies, characterizes and quantifies the nature of risk factors, groups at risk, specific conflict driving situations and accident situations; and to estimate the safety benefits of a selection of technology-based safety functions.

OBJECTIVES

The objectives of eIMPACT are:

- To carry out a socio-economic impact assessment of IVSS, based on a description of relevant IVSS, and their expected impacts on traffic safety and efficiency.
- To provide perspectives on the market introduction of IVSS, integrating the input from the impact analysis, policy options and stakeholder roles.

Intelligent Vehicle Safety Systems boost safety and effectiveness of the transport system. Several systems have already shown their value while others have shown promise in trials, though they have not yet had the opportunity to demonstrate their real potential on a large enough scale. The extent to which IVSS applications are implemented is influenced by socio-economic acceptance. It is vital to analyse the efficiency of such IVSS applications from the perspective of both individuals and society. Cost-benefit ratios will certainly have a significant say in the next 10-15 years in the development of a roll-out strategy for IVSS.

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EC project funding:	1.598.391 €

Participants:

The consortium is managed by TNO (NL) and consists of 13 partners: TNO, UOC, DCA, CRF, BMW, Bosch, PTV, VTT, BAsT, RWS, CDV, MOVEA, IMC.