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ADVISORS

Action for advanced Driver assistance and Vehicle control systems Implementation, Standardisation, Optimum use of the Road network and Safety

Project details	
Domain	Vehicle Technology: Active Safety
Duration	from 01/04/2000 until 01/06/2003
Website	
Other sources	Cordis  Final report (980 kB)  Final report annex (2,27 MB)

Background

Research and development have created a range of Advanced Driver Assistance Systems (ADAS) that may facilitate the tasks of drivers in the growing complexity of traffic conditions. ADAS are fitted to an ever larger number of road vehicles, while it is not clear how they impact on environmental and safety performance of the road transport system.

Objectives

Based on test site demonstrations, ADVISORS will develop a methodology to assess the impact of different types and different levels of penetration of ADAS in terms of the safety, efficiency and environmental performance of the road transport system. Furthermore, ADVISORS will develop implementation scenarios in order to help introducing appropriate ADAS.

Approach

ADVISORS adopts a problem focussed angle instead of a technology-driven approach. Appropriate ADAS will be selected based on a problem analysis on the European Road network and analysed in a multidisciplinary approach, in order to gain new policy insights. All the stages for a potential breakthrough of ADAS will be investigated: the market conditions, the impacts on driving behaviour, road safety and environment, role of the public regulator, public acceptance, implementation strategies etc. Assessment methodologies will be developed and applied in order to deliver empirical evidence. This evidence together with questionnaire surveys will fit into a developed decision scheme.

This approach leads to an integrated framework suited for designing road safety policies to help realise suitable ADAS. Policy recommendations and guidelines are put forward in the last stage.

Coordinator

- [SWOV - Institute for Road Safety Research](#) (NL)

Partners

- [Achmea holding](#) (NL)
- [BAST - Federal Highway Research Institute](#) (DE)
- [CDV - Transport Research Centre](#) (CZ)
- [Centre for Environmental and Traffic Psychology \(University of Groningen\)](#) (NL)
- [Fiat research centre](#) (IT)
- [Institute for Human Factors and Technology Management \(Stuttgart\)](#) (DE)
- [Belgian Road Safety Institute](#) (BE)
- [I-ce - Interface for Cycling Expertise](#) (NL)
- [NTUA - National Technical University of Athens](#) (EL)
- Siemens Automotive SA (FR)
- [Transport Engineering Laboratory of the Aristotle University of Thessaloniki](#) (GR)
- [The Netherlands Research School for TRANsport, Infrastructure and Logistics](#) (NL)
- [TRL - Transport Research Laboratory](#) (UK)
- [VTI - Swedish Road and Transport Research Institute](#) (SE)
- [VTT - Technical Research Centre of Finland](#) (FI)